A Complete Bibliography of Publications in *Journal of Computational Physics*: 1990–1999

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org (Internet)
WWW URL: http://www.math.utah.edu/~beebe/

04 September 2023
Version 1.16

Title word cross-reference

$(2 + 1)$ [PZ98]. $0.5 \cos 2nx$ [Kob91]. $0.5 \cos Inx$ [Kob90]. 1 [BM91a, BM91b, FQ96, GBL+92, KO98, LLD92, LLD93, TH96a, VAVB92, VAVB93]. $1 + 1$ [YG94]. 11/2 [GBL+92]. 2 [BP90, BBF+99, BR97b, BDML94, COS+98, CC98, Clé96, Dau92a, Dau92b, Dob99, Dvo91, DK92d, DK92a, DK92c, DK92b, Eça96, Efr97, FLD93, FWBS94, FG97, GNHP95, GM96, GHS93b, Hu95, IM95, Ji96, Kan92, KL92a, Kar97, KCJ95, KO98, LMP92a, LMP92b, LQK98, Mat94, Mau99, MW94, Nor96, PH94, Pet96, PV99, PV93, RF96, RS94b, Str96, Str97, TA91b, TAD92a, Wal94, Wes92a, Wes92b]. $2N$ [SH98b]. 3 [Bor91b, Bor92a, Bor92b, BIAV98, COS+98, CDM98, CPB96, DH96, EL97a, FK97, FPB98, GHKH93, GS93, HKS98, ID96, KKH+99, KH97, LL95, MKM99, MKM04, Mar90, OS97, Oos97, PK94, Sal94, Sha95a, SS99c, TZA96, TLW95, Val90, Xia99]. $3d^N$ [YR93]. $^+$ [Lio96]. $_2$ [KE93]. $\mathrm{Ai}(x)$ [MPG92a, MPG92b]. α [ACT95]. β [CGKC92, CGKC93, RG90]. $C \exp(-\lambda|x|^\nu)$ [BES90]. d/dx [Ano95u, Str94]. $d = 2 + 1$ [Kou96]. Δ [TV94, Gou96a, VDJ93]. δf [DK95, DMZ91, KT95]. $E \times B$ [BDML94].

$F_m(x)$ [CP98b]. γ [JZQ+95]. h^4 [CGY92, CGY93]. $\mathrm{Je}_0(a, z)$ [DK90]. k [BH95, KL92b, LZ96]. $K(2, 2)$ [dLMSS95]. LU [Shu91]. m [KM92]. N [JDC94, SDG94, OGBSK90]. $\nabla \cdot (\sigma \nabla u) \approx f$ [ZY94]. O [PRMV90]. $O(n)$ [WA95]. $O(N^{-1})$ [KTE93]. ω [LZ96]. $\omega_{ce}\Delta t$ [PB91]. P [ST97, CLO93]. P^1 [ADS96]. $\partial u \partial t = (\partial \partial x)^\alpha \delta G \delta u$ [Fur99]. QZ [vD97b]. r [Ano99-30, CHR99, MRS98]. S^2 [PZ98]. S_n [MWS96]. U(1) [HN95]. ε [KL92b, TV94]. $X^T R$ [DÜ92b, DÜ92a]. Z [PRMV90, MRS98].

-Adaptive [Ano99-30, CHR99]. **-body** [OGBSK90, JDC94, SDG94]. **-d** [Mar90, CDM98, CC98, FQ96, HKS98, ID96, LMP92a, OS97]. **-dimensional** [Val90]. **-Functions** [Gou96a]. **-Space** [BH95]. **-Stable** [ST97]. **-Storage** [SH98b]. **-Version** [CLO93].

/algebraic [KL92b].

148 [CNG17]. **149** [Ano99-30]. **152** [MKM04].

2-D [KPCJ97]. **244** [Ano99-30]. **2d** [Lay90].

92 [LW96b].

ABCs [YP98]. **abruptly** [Lav90]. **Absolute** [CL98b]. **Absorbing** [BR92c, BR92d, Clé96, Col97, Hig92a, Hig92b, Hu96, JW90, PZC98, Pet98, Ren92a, Ren92b, RF96, Rom92a, Rom92b, SDI98, TAC98]. **Absorption** [Ber96, Ber94, MB92]. **Abstract** [Ano91a, Ano91b, Ano91c, Ano92a, Ano92b]. **Abstracts** [Ano90c, Ano90d, Ano90e, Ano90a, Ano90b, Ano90f, Ano91d, Ano91e, Ano91f, Ano92c, Ano93a, Ano93b, Ano93c, Ano93d, Ano93e, Ano93f, Ano93g, Ano93h, Ano93i, Ano93j, Ano93k, Ano93l, Ano94a, Ano94b, Ano94c, Ano94d, Ano94e, Ano94f, Ano94g, Ano94h, Ano94i, Ano94j, Ano94k, Ano94l, Ano95a, Ano95b, Ano95c, Ano95d, Ano95e, Ano95f, Ano95g, Ano95h, Ano95i, Ano95j, Ano95k, Ano95l, Ano95m, Ano95n, Ano96b, Ano96c, Ano96d, Ano96e, Ano96f, Ano96g, Ano96h, Ano96a, Ano96i, Ano96j, Ano96k, Ano96l, Ano96m, Ano96n, Ano97a, Ano97b, Ano97c, Ano97d, Ano97e, Ano97f, Ano97g, Ano97h, Ano97i, Ano97j, Ano97k, Ano97l, Ano97m, Ano97n, Ano97o, Ano97p, Ano97q, Ano97r, Ano98a, Ano98b, Ano98c, Ano98d]. **Abstracts** [Ano98e, Ano98f, Ano98g, Ano98h, Ano98i, Ano98j, Ano98k, Ano98l, Ano98m, Ano98n, Ano98o, Ano98p, Ano98q, Ano99a, Ano99b, Ano99c, Ano99d, Ano99e, Ano99r, Ano99f, Ano99g, Ano99h, Ano99i, Ano99j, Ano99k, Ano99l, Ano99m, Ano99n, Ano99o, Ano99p, Ano99q]. **AC** [LJG96, WCO94]. **Accelerated** [BGM91, PHL93]. **Accelerating** [BR94, TWV97]. **Acceleration** [AAL97, Azm99, BGB99, Eye96, SPC92, SPC93]. **Acceptance** [Nea94]. **accepting** [DS90]. **access** [CV92a, CV92b]. **Accuracy** [AS99b, BT97a, BIAV98, CNG99, CP95, CK93b, FMO97, KKH+99, MW97,

Maz97, Raw90, Raw91, Sil93, SVG93, Vre91a, Vre91b, XP99, YG94, Zha98, AB94, Arm94, BT92a, BT92b, CNG17, GL96, Gre90, Gup90, Gup91, RS91, Sil92, SVG92]. **Accurate** [AD97, BR97a, BR97b, BPT95, Bri95, DVD93, DM97b, Dor99, EG95, FM97, HT95, HEOC97, Hen94, IH95, Jac95, KJ98, KPP99, Kul95, MH94, MLS99, MB94, Nor98, Nor95, PM98, RK95, RS94a, RH98, Sco96, SNU98, SW96, SH97, TH96a, TP97, VM94, VB95, Yak96, YMUS99, vBvNW95, BM90b, BM91c, KS92, Tak92a, Tak92b]. **Acknowledgment** [Ano95o, Ano96o]. **Acoustic** [AK99, WJTP96, Hig92a, Hig92b]. **Acoustics** [AGH99, AK94a, AE98, HHM96, QG98, SH98b, TW93]. **Action** [KB99, RP90, RP91]. **action-angle** [RP90, RP91]. **Active** [WJC93]. **Actuator** [HH98]. **Adaptation** [SR97]. **Adapted** [YB98]. **Adaption** [Hag94]. **Adaptive** [ALTP98, ABC94, ABC$^+$98, Ano97-29, Ano99-30, APS97, AC93, BD96, Bau97, BCM95a, BGM95, BK97a, BFO99, Bra93, CZ98, CHR99, CBS93, Coo99, Dvi90, Dvi91, Edw96b, FGM97, FS97, GBCA99, GO98, GMP92a, GMP92b, Har94, HJ98, HT97, JP95, JFH$^+$98, Kho98, KJ98, KP98, LW95, LLD93, LT93, LH95, LT96, Mav90, MF92, MQS97, MA96, MG97b, NB98, PK94, PBC$^+$95, PPM92a, PPM92b, PRL$^+$99, PGD99, RPB99, SLMS98, SRF93, SB96b, Str97, SL98, ST99, SAB$^+$99, TYS95, VP96, VP97, ZP95, ZLP97, AM90, AS90, AS91, BKM90, But90a, But91, CW90, CGR99, CW92c, DT90a, DT90b, Dar92, Dur91, DEO92, FM92, Fra92, GL96, HGH90, HGH91, LLD92, Nad95, Wes94, YM91, YM92b, YM92a]. **adaptive-grid** [YM91, YM92b, YM92a]. **Adaptively** [DP93, PV99, DP92a]. **adaptively-refined** [DP92a]. **Addition** [lX96, lX97]. **Additions** [Lin95]. **Additive** [Zho96]. **Adhesion** [ALTP98]. **ADI** [AS94, AK98, CZ98, HLD92b, HLD92a]. **ADI-Solver** [AK98]. **Adiabatic** [Vu96, Weg97, WK96]. **Adjacent** [Azm99]. **Adjacent-Cell** [Azm99]. **Adjoint** [WEQ$^+$99, YZ98]. **adjustable** [Fri90]. **Adjustment** [WNY93]. **Admittance** [WEMH99]. **admitting** [Shu92a]. **adoption** [SV91]. **Advance** [Mat94]. **Advanced** [GNH96, Zan97, YP92b, YP92a]. **Advances** [Sch99]. **Advancing** [KP98, Mav95]. **Advancing-Front** [KP98]. **Advection** [Ano97-29, AE95, BYMZY95, Bec94, BT97a, EP96, Fey98b, FPQ93, HMOS95, Hol94, HKvV95, OS98, OP97, PA95a, PBD94a, SWT98, SB96b, Sun93, Thu96, VK98, Wan97, WEQ$^+$99, AP90, AP91b, Ben92d, Ben92c, SG90]. **Advection-Diffusion** [BYMZY95, Bec94, EP96, FPQ93, HMOS95, OP97, PBD94a, SWT98, Wan97]. **Advection-Reaction** [WEQ$^+$99]. **Advective** [AGH99]. **Aeroacoustics** [Eka99, MLBW97, ÖL96]. **Aerodynamic** [Ari97, BB97a, KTN$^+$94, STG$^+$96, TWV97]. **aerodynamics** [FS91, FS92]. **Aeroelasticity** [Shu95]. **Aggregation** [WF99, VG92b, VG92a]. **Aided** [MB99]. **Air** [Sun96]. **Airflow** [Hol94]. **Airfoil** [SS99c, vBKG97, HPS92a, HPS92b]. **Airfoils** [FH98b, MDB91a, MDB91b]. **Airy** [CJR91, CJR92a, CJR92b, MPG92a, MPG92b]. **AlAs** [LK94b]. **ALE** [Smi99, LKK99, PFS98]. **Alfvén** [BK99]. **algebra** [WS91, WS92a, WS92b].

Algebraic [CWF96, Gou96b, Mat97, Spe95, SDI98, Wha96, KL92b]. **Algorithm** [AL97, AB97, AWY99, AFH94, BS99b, BS99c, BD94b, Boa97, BN94, BO98, BFO99, CDM98, CC97, CL93, DS99, DK95, DFaIM98, DHSS94, DD95, Due93, Edw96a, EM95, FD99, FS97, Fuj95, GBCA99, GMM99, GKDT96, Gou96a, Gra95, GNH96, GR97, Gre94, Hol94, JH97, JFH+98, Ji94, JMR94, JS93, Kar94, KF94, KM95, KT95, KNR99, Kul95, LeV98, Leh99, Lub93, MJP93, Mav95, MSV98, MDH98, NCF96, Nea94, NPV96, Ods93, ÖL96, Pal93, PDHS94, Pet94, QF99, Reb93, RF95, RH98, SD93a, SLMS98, SMJ98, Shy98, Shy99, SW99b, TS98, VP97, Vie94, Wan95, WL96, YL98, YG94, Zal97, ZC94, ZB96, ZDD99, Zin94a, Zin94b, BRR92, BG92, Bas92, BBK90, BBK91, Boy92b, BES90, BS91b, BS92a, BS92b, CR91, CW90, CGR99, CW92c]. **algorithm** [Dar93, DM91a, DM92a, DM92b, Dol92a, Dol92b, DS90, DLMN91, DLMN92b, DLMN92a, HB90a, HB91, JVR93, KH90, KH92, KHM92a, KHM92b, LDB96, LKLE90, LLEK91, LMP92a, LMP92b, LK90, LS92c, LS92d, Luc90, Luc91, LM92, MMS90a, Ods90a, Ods90b, Osb90, Osb91, PRS90, Par90, QS90, Rei92a, Rei92b, Row91, SG90, Sol92, SRSB93, Ver91, YSG91]. **Algorithmic** [SSB+99]. **Algorithms** [AS95a, ARB96, BCM99a, BR94, Boy92c, BFGG94, BCDL97, BCT98, CK96, CBSW98, CMM93, DH96, DS97a, DL93, DM93, ETRW95, EP99, Goe95, HBF93, HKW97, Kar97, Kho98, LeV97, LML99, Liu96b, Löh95, MRC93, Maz97, Nat91, PDHS94, Pli95, Pri95, Rap93, Rav97, RFL93, Rie94b, Ruu98b, SKR+93, SF96, SS95, SK96, SE90, SC97, SGW94, UL98, WS96, WD97, WH97, dM97a, Alm93, Bal95, BRL91, Dar92, FG90b, FG90a, GC90, HW92a, HW92b, Mak90a, MRD92, Nat90, RD91, Shu90, SLV90, TP92a, TP92b, Vre91a, Vre91b]. **aliasing** [Ben92a, Ben92b]. **all-pairs** [BF91]. **Alloys** [YZ98]. **Almost** [AKW93]. **along** [MB99]. **Alternate** [Taf95]. **Alternating** [DB98, MWW96, RY94, ZWS98]. **Alternating-Directional** [ZWS98]. **Alternative** [CO95, Pri94, Shu95]. **Amalgamation** [SP96]. **Ambient** [MSF94]. **Amplitude** [Nic99, ML92]. **analogy** [Glo92]. **Analyses** [Hwa94]. **Analysis** [AG97, Abg94, AN98, AR93, BK99, Can95, CS99, CB96, CSZ97, DH96, Efr97, FH98b, FQ96, Gho96, Gil97, GTA99, GBS99, HG94, Hes98, HB96, HI98, HHR99, ID96, JMDB99, KD97, KGH+98, KM93b, KB96, LNR99, LW97, Liu96b, Liu96a, MB99, Mas96, Mat97, NGN97, PNC94, PVVS98, Per93, RCA93, RHB94, SS96b, SMW99, SDP97, SC96a, SW99c, SHA95b, TS98, VM96a, VSG95, WEMH99, YP98, YS98a, Yav97, AF90, AF91, Bal95, Cha90, CH90b, CH91, CK90b, CK91, Fab92, GM92, JC92, KBS90, LKLE90, LLEK91, LS92c, LS92d, MS90a, MS91a, ND90, Osb90, Osb91, PO90, PO91, RCA92, Raw90, Raw91, Sch92b, Sch92a, Sch92c, TA91b, TAD92a, TAD92b]. **Analytic** [GM95b, NCF96, Dom90]. **Analytical** [Bar94, dFD+94]. **Anatomical** [JBA96]. **and/or** [CK96]. **anelastic** [Ful93]. **Angle** [AE98, NY98, DLMN91, DLMN92b, DLMN92a, RP90, RP91].

angle-dependent [DLMN91, DLMN92b, DLMN92a]. **Angular** [Ben95, UL98, Dvo91, DK92d, DK92c, Mik90, Mik91, RF90, RF91, WS91, WS92a, WS92b, Zan92a, Zan92b]. **Anisotropic** [ABBM96, Hag94, HKW97, MG96, Mav98, Oos97, TN98, Waj93, ZV97, vdVvdV98, AP91a]. **Anisotropically** [UL98]. **Anisotropy** [Kal97, TW94]. **Annealing** [CDR99, DS90]. **Announcement** [Ano90g, Ano92d, Bra99]. **Announcements** [Ano90h]. **Annulus** [CKSB97]. **Anomalies** [SR90]. **anti** [Ben92a, Ben92b]. **anti-spatial-aliasing** [Ben92a, Ben92b]. **Antiplane** [GT97]. **Apparent** [Jak93, DM92c]. **Appear** [Ano93a, Ano93b, Ano93c, Ano93d, Ano93e, Ano93g, Ano93h, Ano93i, Ano93j, Ano93k, Ano93l, Ano94a, Ano94b, Ano94c, Ano94d, Ano94e, Ano94f, Ano94g, Ano94h, Ano94i, Ano94k, Ano94l, Ano95a, Ano95b, Ano95c, Ano95d, Ano95e, Ano95f, Ano95g, Ano95h, Ano95i, Ano95j, Ano95k, Ano95m, Ano95n, Ano96b, Ano96c, Ano96d, Ano96e, Ano96f, Ano96g, Ano96h, Ano96a, Ano96i, Ano96j, Ano96k, Ano96l, Ano96m, Ano96n, Ano97a, Ano97b, Ano97c, Ano97d, Ano97e, Ano97f, Ano97g, Ano97h, Ano97i, Ano97j, Ano97k, Ano97l, Ano97m, Ano97n, Ano97o, Ano97p, Ano97q, Ano97r, Ano98a, Ano98b, Ano98c, Ano98d, Ano98e, Ano98f, Ano98g, Ano98h, Ano98i, Ano98j, Ano98k, Ano98l, Ano98m, Ano98n, Ano98o, Ano98p, Ano98q]. **Appear** [Ano99a, Ano99b, Ano99c, Ano99d, Ano99e, Ano99r, Ano99f, Ano99g, Ano99h, Ano99i, Ano99j, Ano99k, Ano99l, Ano99m, Ano99n, Ano99o, Ano99p, Ano99q, Ano90c, Ano90d, Ano90e, Ano90a, Ano90b, Ano90f, Ano90p, Ano90q, Ano91a, Ano91d, Ano91b, Ano91e, Ano91f, Ano91c, Ano91q, Ano91o, Ano91p, Ano92a, Ano92c, Ano92b, Ano92k, Ano93f, Ano94j, Ano95l, Hor90]. **appearing** [DS90]. **Application** [ARTAAA97, AC92, AAP97, BFW98, BCRR98, BG92, Bas92, BS99d, BS99e, Boy94, Boy95a, Boy96b, Boy97a, BGP98, CGA94, CS99, CM93, CKE99, DBS94, DZ96, Fen99, GTD98, HCZ99, Hol94, HLOZ97, IH95, KvdVPG95, KE93, LS93a, MML98, Mas96, NPC93, NB98, Pal93, PFRB93, RG97, SB96a, Sak96, Shu95, Tol94, Tót97, Tsy95, WNY93, Wit96a, XS93, YS98a, YMB$^+$91, ZLP97, ZRR99, Dar90c, Dar91b, DM91a, DM92a, DM92b, GMP92a, GMP92b, KH90, KH92, LS92b, MDB91a, MDB91b, TSS92, YR98]. **Applications** [Ben95, BCT98, Don94, FH97, Kla96, Luk99, RvR93, SMD98, Sch99, vL97a, vL97b, Dar90b, Dar93, KL97, Nat90, Nat91, Rei92a, Rei92b]. **Applied** [ALW94, ABS96, BD93, BK97b, CAA93, Cra94, DFaIM98, ES94, EP96, FO93, Gla95, Gra95, KI99, Kno98, Man93b, NC99, PH95a, SK94, Sco96, Set94, WLC96, BB90a, BB91a, Dol92a, Dol92b, NSR92a, NSR92b, PC92b, PC92a, YP92b, YP92a]. **Approach** [Abg96, AS95a, AS95b, AS97, BKP96, Cha95, Coo99, FAMO99, FHKZ97, GDP96, HOS96, HRL99, KP97b, KNR99, LWT99, LLT94, Lya99, MBO94, Pap93, Rom97, Ruu98a, SFHD99, SSO94, SAB$^+$99, TS96, TSW95, Tou98, Wit96b, ZCMO96, ZMOW98, DHS91, Gra90, JB91, JBvK$^+$91, LKLE90, LLEK91, MIM90, Pap92, SW92, TSR92, VY91, VY92, VG92b, VG92a, YSG91]. **approach-algorithm** [LLEK91]. **Approaches** [CP95, PMR97, FS91, FS92].

Approved [Tay91]. **Approximate** [Bai97, BHJU99, DW94a, DD92b, Gla95, Gla92b, Gla92a, Gre94, Roe97a, Sai95, SCM98, SLL94, TK96, Tou92]. **Approximate-Factorization** [BNW96]. **Approximately** [KTN+94]. **Approximating** [BS99d, CK90b, CK91, NM95, LO91a, LO91b]. **Approximation** [Ano94s, ACT95, ADS96, BCM95a, BGM95, Cor96, FH94, FPB98, FPQ93, Her93, HS93b, MP93, Ohw98, PR93b, Sai95, SNU98, Smo98, SVG93, Wer95, Car91, KS92, LM90c, NSR92a, NSR92b, SVG92, TEKC92]. **Approximations** [BCDL97, GTA99, HMOS95, SK94, SRVK96, Ano95u, BB90a, BB91a, BT92a, BT92b, MPG92a, MPG92b, Str94, WDH+92a, WDH+92b]. **Arbitrary** [AB97, AWY99, AD93, BIAV98, CG96, CNG99, Gra99, HAC97, Hum96a, Hwa94, KW93, LV98, Mar97, MG97b, PFS98, Smi99, Tab96, Tau94, UI99, UKSTST97, Ush96, CNG17, GL96, MS91b, MS92b, MS92a, Rob90b]. **Arc** [Poy92, WCO94]. **Architectures** [SDG94]. **Arctan** [Boy91b, Boy92a]. **Arctan/Tan** [Boy91b, Boy92a]. **ARCTIC** [MMW96]. **Areas** [YPH94]. **Arguments** [CP98b, CJR91, CJR92a, CJR92b]. **arising** [CGSS90, CGSS91, Nat92a]. **Arnoldi** [Nat92a, KvdVPG95]. **Arnoldi-based** [Nat92a]. **Array** [EA97, SK94]. **Arrays** [DS97a, BF91]. **arrowhead** [OS90]. **Arteriolar** [AMP+98]. **Article** [Ano99-30, Van99, TT90]. **Artifacts** [SS99b, SMSS98]. **Artificial** [AD93, BL99, BH96, Boy98, CS98a, CSW98, Cot96, DR96, Efr97, TZA96, Tou97, Tou98, XMJ95, HLB94, MW93, Yan90]. **Aspect** [Kal97, SP98, VRD99]. **Aspects** [KKH+99]. **ASPEN** [VBD99]. **Assemblages** [HM99, ZDG95]. **assemblies** [CPP93, LDB96]. **Assessment** [CP95, XP99, Sur94]. **Assimilation** [Lya99]. **Associated** [SPC93, MRD92, SPC92]. **astronomical** [Rei92a, Rei92b]. **Asymptotic** [AN98, CS93b, CM91, CJ95b, FEO95, JYH93, ZOI97, Bor91a, BLA92a, BLA92b, DK92a, DK92b]. **Asymptotically** [AD97]. **asymptotics** [Kle95]. **Atmosphere** [ALW94, Tol94]. **Atmospheres** [CMMH94]. **Atmospheric** [Ano97-29, FWBS94, Hol94, SPCD96, SB96b, SNL90]. **Atom** [Hof95, KKOF97]. **Atom-Centered** [Hof95]. **Atomic** [dFD+94, LKB90, MAS92]. **Atomistic** [Had99]. **Atomistic-Continuum** [Had99]. **Atoms** [BK97b, HM99]. **Attached** [DW93]. **attenuating** [Nic93]. **Augmented** [Fra95]. **AUSM** [Lio96, Smi99]. **Author** [Ano90i, Ano90j, Ano90k, Ano90l, Ano90m, Ano90n, Ano91h, Ano91g, Ano91i, Ano91j, Ano91k, Ano91l, Ano92e, Ano92f, Ano92g, Ano92h, Ano92i, Ano92j, Ano93m, Ano93n, Ano93o, Ano93p, Ano93q, Ano93r, Ano94m, Ano94n, Ano94o, Ano94p, Ano94q, Ano95p, Ano95q, Ano95r, Ano95s, Ano95t, Ano96p, Ano96q, Ano96r, Ano96s, Ano96t, Ano96u, Ano96v, Ano96w, Ano97s, Ano97t, Ano97u, Ano97v, Ano97w, Ano97x, Ano97y, Ano97z, Ano97-27, Ano97-28, Ano98r, Ano98s, Ano98t, Ano98u, Ano98v, Ano98w, Ano98x, Ano98y, Ano98z, Ano98-27, Ano99s, Ano99t, Ano99u, Ano99v, Ano99w, Ano99x, Ano99y, Ano99z, Ano99-27, Ano99-28]. **Automata** [Kre98, RMO99, vWBS+97, BRR92]. **Automated** [WS91, WS92a, WS92b]. **Automatic** [CMW95, GNH96, Nog93, STG+96, Tiw98, LP90]. **automation**

[BB90b]. **Automaton** [SBC99, BB91c, CMK90]. **Auxiliary** [LO93, OB95, PC92a]. **auxiliary-heated** [PC92a]. **auxilliary** [PC92b]. **auxilliary-heated** [PC92b]. **Average** [BLG97, OGBSK90, VM90]. **Average-State** [BLG97]. **Averaged** [AAL97, CW93, CPJ90, DHS91]. **Averaging** [Smo98]. **axes** [Lay90]. **Axi** [NB98, Sch95a]. **Axi-symmetric** [NB98, Sch95a]. **Axially** [DÜ92a, SLMS98, DÜ92b]. **Axillary** [KOS+96]. **Axisymmetric** [AM96, ART95a, ART95b, KC93, MG97a, PBD94b, PS93b, RH99, WJC93, XS93, HCJ92a, HCJ92b, KBS90, KC92, PDC91, LS98]. **Axisymmetrization** [Kou97].

B [HB90b, KMS99, Man93a, SM98a]. **B-Spline** [KMS99, Man93a, SM98a]. **B-splines** [HB90b]. **Backflow** [RHT96]. **Background** [Tan94, GCMR90]. **Backward** [HIY95, Zhu95]. **Backward-Facing** [Zhu95]. **Baffled** [SK94]. **Balance** [AAL97, APS97, YM95]. **Balancing** [FLD93, LeV98, BBK90, BBK91]. **Ball** [Rap93]. **Ballistically** [LPR96]. **Band** [AK99, Dob99, FK97, För96]. **Band-Gap** [AK99]. **Bands** [GT97]. **Baroclinic** [Die95, HdS97, Hig99]. **Barotropic** [Die95, HdS97, Hig99, TG96, Gla91]. **Barotropic-Baroclinic** [HdS97, Hig99]. **Based** [Ano99-30, Bis95, BS96, CHR99, CG97b, CS97b, Cod99, Cor96, Dur93, Fuj95, GS97a, GC95, Hag94, HRR94, JLM+96, LS96, LH95, MS98, NY98, OG97, Oos97, PMO+99, Sai95, SZ97, SWS96, SFHD99, SF96, SC97, Spe95, SR97, Str99a, TZA96, WKMH97, WS93, Xu97, Xu99, YSD99, Dur91, DEO92, FS91, FS92, FVZ90, Kle95, LDB96, Luc90, Luc91, Mul92b, Mul92a, Nat92a, Ver91]. **Bases** [BK97a, KP97a]. **Basic** [GM95a, Rus90]. **Basics** [Dru99]. **Basin** [Boy96b, Boy97a, Ma93a, Ver97a, Ver97b]. **Basis** [BK94, CP98a, Gou96b, KOS+96, MP93, QF99, UWSB90, UWSB91, VSG95]. **Basis-spline** [UWSB90, UWSB91]. **bathymetry** [LG94]. **Battle** [ZLP97]. **Baxter** [PRMV90]. **BDF** [vM95]. **Be** [AAK+93]. **Beach** [GGP97]. **Bead** [JVS97]. **Beam** [KT95, LLR94, MMW96, YCTC97, Mik90, Mik91]. **beam-beam** [Mik90, Mik91]. **Beams** [Bör97, KST90, KST91]. **Bean** [Pri96]. **Bearing** [GDP96]. **Beatwave** [BGB99]. **Beck** [Liu96a]. **becomes** [DM92c]. **bed** [CGSS90, CGSS91]. **Beds** [vWBS+97]. **Behaved** [AR97b]. **Behavior** [CL98a, Die95, KM97a, Vad95, ZMOW98, AF90, Rob90a]. **behaviors** [TZWH92b, TZWH92a]. **behaviour** [AF91]. **Beltrami** [Dar93]. **BEM** [vM95]. **Bénard** [CT98, Gel99]. **Benchmark** [CH90b, CH91, TO98]. **Benchmarking** [CK90a]. **Bessel** [Jab94, PDL93, Raw90, Raw91, SBKH92]. **Beta** [Bri95]. **Beta-Function** [Bri95]. **Better** [Lub93]. **between** [CDM98, CS97a, FV97, GBL+92, LG90, LG91, MMS90a, ÖM95, RMO99]. **Beware** [Hil97]. **Beyond** [BH98]. **BGK** [FH98a, KKH+99, KJ98, Xu97]. **BGK-Based** [Xu97]. **Bi** [ID96]. **Bi-grid** [ID96]. **Bias** [AT99]. **Biased** [Li97]. **Biasing** [UL98]. **Biaxial** [YP98]. **biconjugate** [JE90, KH90, KH92]. **bifurcated** [HG91, HG92]. **Bifurcating** [Bal94a]. **Bifurcation** [KD97, hYsY96, GGH90, She90, She91, VBB90]. **Bifurcations**

[AAP97, PA95b]. **Big** [Ben96, Rie99b]. **Biharmonic** [Mar94a]. **Billiard** [Rap93]. **Billiard-Ball** [Rap93]. **billiards** [Lub91]. **Binaries** [SD93a]. **Binary** [ES98, FA97, Kre98, YZ98]. **Binding** [EA97, JMDB99]. **Binning** [SGW94]. **Binomial** [GÖAY95]. **Biofilm** [DFFG96, SCC93b]. **Biological** [Kla96]. **Biomolecular** [SS99b, Sch99]. **Biophysics** [Ano99r, SSB+99, Sch99]. **Biperiodic** [Mau99]. **Bird** [BK97b]. **Bisection** [Ji96, Gre91, Gre92a, Gre92b]. **Black** [MDH98, dG96]. **BLAS** [DHSS94]. **Blob** [CLD+96, DD95]. **Blobs** [MG96, HM95]. **Bloch** [GMPGV96]. **Block** [CN95, DF98, Fat99, WL96, ZS97, IM95]. **block-matrix** [IM95]. **blowup** [TSS92]. **Bodies** [ARTAAA97, Xia99, RIW90, Sal91, dG92a, dG92b]. **Body** [AKW93, BF97, Cra94, JDC94, JBA96, Lan97, MRC93, PM93, SDG94, Swe94, TWV97, dG96, HB90b, OGBSK90, PM92, YHW90, YHW91]. **Boltzmann** [Abe97, Anc94, BLT96, DGD90, FO93, HN95, HLD96, HD97, HCD98, HCZ99, HZC+95, HSZ+97, Kla99, LBC+93, LM97, LW94, MS98, MLS99, MBI+97, Ohw98, PHL93, PVVS98, RW96b, RSW98, SC96a, TV94, Tiw98, YH95]. **Boltzmann-like** [LBC+93]. **Born** [Bar94]. **bounce** [DHS91]. **bounce-averaged** [DHS91]. **Bound** [Boy96a, Cra94, FK97, dAT95]. **Bound-State** [dAT95]. **Boundaries** [APV98, BFW98, DR96, FAH97, Joh93, JMR94, KKH+99, Nak95, PP93, SF99, Wer95, YMUS99, ZHL96, CS91, HL90, HL91, Poi91, Wes94]. **boundaries-adaptive** [Wes94]. **Boundary** [APV98, AC95, AK95, AE98, AMP+98, BH96, BPT95, BC99, Ber95, BJ95, BW98, Bot98, Boy98, CLO93, CP90, CGA93, CGA94, CMW95, CJR95, Clé96, Cor96, DR96, DW93, DNN93, DFFG96, DS94, EL96b, Eça96, EP99, Eve96, FH94, Fer95, FJ98, GGG94, GS96a, GC95, GGK95, GHS93a, Gri94, GK95, GK96, GK98, GZ95, GS97b, HG94, HIY95, Hew97, HR96, Hu95, Hu96, IH95, Ji94, JB93, JC98, Joh93, KKK95, KLP94, Leb99, LTE93, LEI96, LM90c, LE90, LE91, LL95, LLK98, LT96, LWS98, Mal96a, Mar93, MM95a, Mas96, MLS99, MA96, Nak95, Nic99, Nor95, NC99, OK94, PNC94, PPBC93, Pen95, PZC98, Pet98, PH95b, PL92b, Poi92, RM93, Ram97a, Rea97, RF96, RPB99, SSR96, SB96a, SY97, SVV98, SI94, SR98, SG98, SW99c, SDI98, SWD95, TS96]. **Boundary** [TW94, TAC98, TKT97, TG96, TH96b, Tou97, Tou98, Vie94, Wan97, Wan99, ZC94, ZW97, Zho98, ZCH96, Zin94a, ZOI97, ZRR99, Bey91, Bey92, Bor91b, Bor92a, Bor92b, Boy91b, Boy92a, BDR91, BR92c, BR92d, Cal90, Cal91, CW92a, CW92b, CWG90, CWG91, Che91, CS92b, CS92c, Dom90, Fer90a, Fer90b, For90, For92c, FMS92, Giv90, Giv91, Glo92, HLB94, HTK90, Hig92a, Hig92b, HS90, Jac90, JW90, Kan92, KL92a, Kar91, Kar92, KR95, LGC92, LG94, Mal90, Mit92, Or94, PPBC92, PTM92, Poy92, QR90, Ram92a, Ram92b, RR90, RR91, Ren92a, Ren92b, Rom92a, Rom92b, Ros90, RWC90, SKK90, SKK91, SH92, Sal91, SRSB93, TSR92, Tho90, UWSB90, UWSB91, VMK91, Wes92a, Wes92b, YHW90, YHW91, dG92a, dG92b, vdVMK92b, vdVMK92a]. **Boundary-Fitted** [BW98, SKK90, SKK91, SH92, Wes92a, Wes92b].

Boundary-Induced [Mar93]. **Boundary-Layer** [BJ95, Mal96a, MM95a, Mas96, Zho98]. **boundary-value** [Or94]. **Bounded** [Boy96b, Boy97a, KMM96, PFRB93, PPBC93, PR93b, TSW95, VD97a, VAVB93, AN90, PPBC92, VAVB92]. **boundedness** [Tas92]. **Boussinesq** [CM95, LMP92a, LMP92b]. **Bowyer** [Reb93]. **Box** [LS92c, LS92d, LL95, MDH98]. **Box-counting** [LS92c, LS92d]. **Breakdown** [RCA93, RCA92]. **Breaking** [AAP97, hYsY96, BLK90]. **breakup** [SE90]. **Bridges** [Hel96]. **Brief** [Nac96]. **Broken** [GS97b]. **Broken-Ice** [GS97b]. **Brown** [KD97]. **Brownian** [EA97, Yin96]. **Bubble** [Dar95, Dar96, DE99, HG94, TM93, SCA92a]. **Bubble-Laden** [DE99]. **Bubble-Slug** [TM93]. **Bubbles** [ZYKC98, ZMOW98, MD90]. **Bubnov** [AC92]. **Buff** [LPP99]. **Bulk** [HKW97, KB96]. **Buoyancy** [LSLG97]. **Burger** [Boy91b, Poy92, YP92b]. **Burgers'** [MS91a, YP92a, AC93, Boy92a, CK90a, MS90a].

Calculate [AFH94]. **calculated** [SH92, YHW90, YHW91]. **Calculating** [BFO99, DL94b, oJ95, oJ97, KTN+94, OBL93, OS98, RMSB96, SMT99, TS96, YB98, Zin94b, BE91, BE92a, BE92b, DLMN91, DLMN92b, DLMN92a, TSR92]. **Calculation** [BD94b, Bru93, ETRW95, För96, GQ97, Jac99, JV95, Lav90, PJ94, Pap93, Sch95a, Sho93, TWV97, TH96b, XS93, lX96, lX97, BS90, BS91a, BF91, Bru92, GLM+90, GSY92, Got92, HHG91, HHG92, LDB96, MDB91a, MDB91b, ML92, Pap92, Rob90b]. **Calculations** [Abg96, AR97b, BGGT90, Boy96b, Boy97a, CL98a, CJ95b, Dob99, EB94, Fat99, Goe95, HL98, JB93, Kar94, LPP99, MP93, MWS96, NMW+96, PS93a, PDS99, PR93a, PG97, RC95, RK99, RHT96, SK93, Ske98, WJC93, WP97, Wri98, WCSW99, Xu97, BLMR92, Blu92, CLJ+90, CHL+90, HPS92a, HPS92b, HSN90, HB90a, HB91, PH94, YTS92]. **Calculus** [DÜ92a, DÜ92b]. **Cancellation** [SMT99]. **Canonical** [LPP99, Sch95b, KF91]. **Cao** [Ano99-30]. **Capable** [SBC99]. **Capacitance** [BL93, BL92]. **Capacitances** [Rea97]. **Capacity** [LEI96, GSY92, Got92]. **Capillary** [CF94, HF98, HM90]. **Capturing** [AR97a, BKP96, CHMO96, DW95b, DM96, GMS+99, HP93, KP97b, Lav93, Shy98, TH96a, Ton96, UI99, Yee97, YSD99, ZMOW98, HP92, kM90, kM91, YP92b, YP92a, YKM90]. **Carcinogen** [BH99]. **Carcinogen-Damaged** [BH99]. **Cardinal** [Boy92d]. **cardiovascular** [VY91, VY92]. **Carlo** [WONM96, AT99, BPS95, BRL91, Boy90, Boy91a, BGM91, CB96, COBA95, DR90, DB96, EM94, EHM97, GBCA99, Gre98, HBF93, KNR99, KE93, Kuh96, Lif92, MSV98, MC95, Nea94, Nic93, PC99a, Pri90, Pri91, Rie94b, STAS91, SH90, Sch95b, SFHD99, STS+97, UL98, Val91a, Val91b, WVHS98, XP99]. **Carrier** [SB98]. **Cartesian** [ALTP98, CP95, DP92a, DP93, Fis94, FJ98, JC98, LZG99, PBC+95, PR93b, UKSTST97, YMUS99]. **Cartesian-Grid** [FJ98]. **Cartesian-Mesh** [CP95]. **Cartesian-Product** [PR93b]. **Case** [AK99, DF98, Jun99, kM93a, PC99a, AP91a, Mao92b, RLM90, GACN93]. **Cases** [LS98, CS91]. **Casing** [LTE93]. **Casting** [LPR96, BBC+90, BBC+91].

CASTOR [BK99, KGH+98]. **Catastrophe** [VSG95]. **Cathodic** [LTE93]. **Cauchy** [Abr91a, Abr91b, BGH+97, BGH+99, NM95]. **Cauchy-Characteristic** [BGH+97, BGH+99]. **Causal** [AS94]. **Caused** [BDML94, Ush96]. **Caustic** [Bas92, BG92]. **cavitation** [SCA92a, SCA92b]. **Cavities** [HK98]. **Cavity** [HZC+95, JV95, MWM94, RWW94, GGH90, She90, She91]. **Cebysev** [GE92]. **Cell** [Azm99, BH98, Bot98, Bru93, CMM93, Edw96b, GH95, GH97, JLSM97, Kal97, OBL93, QF99, RHT96, TM94, Vu96, VBD99, Bra90, Bra91, Bru92, BSB92, FPRB90, FPRB91, KW92, MK90, MDHW92a, MDHW92b, MRS94, PC92b, PC92a, Wes94]. **cell-centered** [KW92, MDHW92a, MDHW92b]. **Cells** [ALTP98, BF97, Lan97, SSW98]. **Cellular** [Kre98, RMO99, vWBS+97, BRR92, BB90b, BB91c, CMK90]. **Center** [SH99]. **Centered** [Edw96b, Hof95, Sjö95a, KW92, MDHW92a, MDHW92b]. **Central** [GO98, JT93, NT90, ST92b]. **central-difference** [ST92b]. **Centre** [KPCJ97]. **Centred** [GN96]. **Ceramic** [BMJ+97]. **Certain** [Sen99]. **CFD** [GNH96, KH97, MG97b]. **CG** [VSM99]. **Chain** [CSZ97, JVS97, SVS90, SVS91]. **Chakravarthy** [Shu97]. **Challenges** [SSB+99]. **changing** [Lav90]. **Channel** [BH96, CBL95, HG94, LL93a, MH93, PS93a, RHB94, Sie99, Dom90, HLB94, KHM92a, KHM92b]. **Channels** [VC99, TPL90]. **Chaos** [AAK+93, HA93, PV93]. **Chaotic** [KCJ95, dM97a]. **Chapman** [GA98, KT99]. **Characteristic** [BGH+97, BGH+99, FMO98, HL98, LS92b, LS93a, Leh99, Mal96b, Nic99, RH98, SF96, YSD99, GWI92]. **Characteristic-Based** [SF96, YSD99]. **Characteristics** [MW97, MM95a, MQS95, WK99b, XPK90]. **Characterization** [GH97]. **Charge** [BH95, Fen99, Hum96b, BW90, BW91, GSY92, Got92, Hor90, Hor91, Mik90, Mik91]. **Charged** [Hum96b, KC93, LLR94, MMW96, VB95, CPP93, KC92]. **Charged-Particle** [Hum96b]. **Chebychev** [RF96]. **Chebyshev** [BT92a, BT92b, BCM95a, BCM95b, BBMB97, Boy92b, Boy92c, Boy95a, Boy98, BSPL96, BE91, BE92a, BE92b, CJ95a, DVD93, DD90, DD91, Fra95, GMCH92, KI99, KK96, Kop96, KTE93, LMP92a, LMP92b, LRW95, MBV93, Mal96a, MMB90, NPC93, NC93, PBD94a, RK93, SD93b, Sen99, SK93, TKKB92, Tes92, WNY93, Wer95, ZY94]. **Check** [FK90]. **Chemical** [Ano94s, BN94, EGS96, Gou96b, LW96b, RC95, SPCD96, WH97, Shu91, Shu92b, Shu92c, SCC93a]. **Chemically** [Edw96a, GSB98, CYD92]. **Chemistry** [EGS96, FMO97, NWK98, OBL93, CYD92, GC90, Shu90, SLV90]. **Christoffel** [Yak96]. **Circuit** [VD97a, VAVB93, VAVB92]. **Circular** [AR96, DNN93, HD97, PM98, Ver97a, Ver97b, hYsY96, IT90]. **Circulating** [ALTP98]. **Circulation** [Bry97, HdS97, Sem97, SH94, UWH99, Waj93, WH98, HWY90, HWY91]. **Circulations** [LBB94]. **Class** [Bar94, BKV98, Kob99, LPMS94, Nor98, VLM98, VSM99, For92c, FMS92, ISW92a, ISW92b, KL97, SG92a, SG92b]. **Classical** [Dru99, FHL97, Rei99, Sch95b, SW99b, Yak96, BG92, Bas92].

Clebsch [GÖAY95]. **Cloot** [Boy94]. **Close** [Zin94a]. **Closed** [KP97b, KP98, SVS90, SVS91, Sen99, SCC93b, VD90]. **closed-end** [VD90]. **Closed-Form** [Sen99]. **Closet** [SW94]. **Closures** [BHJU99]. **Cloud** [DS97b]. **Clouds** [BF97, KPCJ97, Lan97]. **Clouds-in-Cells** [BF97, Lan97]. **Clouds-in-Clouds** [BF97, Lan97]. **Cluster** [HK93b, BGM91, Lif92, VG92b, VG92a]. **Clustering** [Ser96]. **Clusters** [LW96b]. **Coagulation** [SGW94, Lif92]. **Coalescing** [SD93a]. **Coarse** [EL96c]. **coarsening** [DS99, Mul92b, Mul92a]. **Coastal** [SR99, TG96]. **Coated** [ART95a, ART95b]. **Coating** [BD94a, CS97a, CS99, RLT93]. **cochlea** [Bey91, Bey92]. **Code** [BBF$^+$99, Bar90, BO96, BDML94, CDM98, CW93, FLD93, GBS$^+$93, GRB$^+$95, KC93, LPC$^+$93, MMW96, OS97, PFS98, Swe94, Swi96, Tay94, TLW95, Vu96, Vu98, Web98, AN90, GB90, GBS$^+$90, KC92, LP90, MS91b, MS92b, MS92a, MK90, Nic93, Poi91, Val90]. **Codes** [JLM$^+$96, NMW$^+$96, PSL99, TO98, Tót97, VD97a, VAVB93, Duk91, DM92d, DM92e, GBL$^+$92, Par90, Pri90, Pri91, VAVB92]. **coditions** [Bas92]. **Coefficient** [Boy95b, Boy97b, EL96c, Mot98, SR99, WNY93]. **Coefficients** [AIV99, Boy94, CS93b, CSW95, GÖAY95, SZ97, SS96c, VSM99, lX96, lX97, lX98, ML92]. **Coil** [KWG94]. **Collapse** [Man93b, MIM90]. **Collection** [Eyr95, TRL99]. **Colliding** [MKM99, MKM04]. **Collision** [JLM$^+$96, NY98, Nun93, AAP$^+$95, LBC$^+$93]. **Collision-Free** [Nun93]. **Collisional** [GGZ93, MK97, Dem92a, Dem92b, RD92a, RD92b, Rus90]. **Collisions** [MLJ97, WONM96]. **Collocated** [LL96, Taf95]. **Collocation** [BM94, BBMB97, CG93, CD98, DVD93, DS94, Göt99, Hei98, HDL99, Hol96a, KOS$^+$96, Kou96, Lif96, MBV93, MG97a, MS93, RK93, VPS95, VP96, VP97, WNY93, DD90, DD91, EHW90, EHW91, KR95, LMP92a, LMP92b, SD93b, UWSB90, UWSB91]. **Colocated** [Dor99]. **combinations** [LJT92a, LJT92b]. **Combined** [BMZ95, CF98, CF99, JVS97, dFD$^+$94, BS90, yGmC92, GC92]. **Combining** [COBA95, WVHS98]. **Combustion** [PC98]. **Comment** [RNSV91, Wer98]. **Comments** [Abd95, Boy98, Lif96, Per95, Ske98]. **Comminution** [Eyr95]. **Common** [Maz97]. **Communication** [JJK92]. **Commutative** [VLM98]. **Comp** [MKM04]. **Compact** [AS96, CGA93, CGA94, CF98, CF99, DM97b, Dor99, EL96a, Eka99, GS97a, GKZ97a, HKW97, oJ97, Lel92, Mar94a, Rav97, RF95, Sha99, Tol94, TL98, Yav97, Yee97]. **Compact-Difference** [Sha99]. **Compact-Difference-Based** [GS97a]. **Compact-ENO** [AS96]. **Compacton** [dLMSS95]. **Comparative** [Eye96, SS99a, SF96, YP92b, YP92a]. **Comparing** [LDB98, UWH99]. **Comparison** [BLMR92, Blu92, CDM98, CS97a, CE97, CJ95b, DOOSM99, FV97, GBL$^+$92, GKZ97b, HHF95, HOS93, LBB94, LD93, Mak90a, Mei98, NMW$^+$96, NM95, PB98, PMR97, PC99b, ST95, TZA96, TO96, WEMH99, YP98, FS91, FS92, Hal90a, Hal90b, LRB$^+$90, LBC$^+$91, PC92b, PC92a]. **Compatibility** [HW96]. **Compatible** [CBSW98, VK98]. **Compensating** [Jai97]. **Complement** [CD95b]. **Complementary** [FMO98, Ram97a]. **complete** [HG91, HG92]. **Complex** [AD97, Adh92a, Adh92b, BMGM95, CBL95, CP98b, CSZ97, DECB98,

DL94b, FM97, GP98a, GM95a, GS95, GS96a, JMDB99, JT99, KMS99, Ku95, MGM95, Sch99, VLM98, YMUS99, dAT95, CYD92, CM91, CJR91, CJR92a, CJR92b, Dar90b, KvdVPG95, SD93b, SBGM92]. **Complexity** [Goe95, WA95]. **Component** [SCT+99, Lar91]. **Components** [oJ95, oJ97, SSW98]. **Composite** [ACLW97, CH90a, Fat99, GO98, GS96a, HW97, PM93, SW99a, WS93, PM92]. **Composites** [Hel95]. **Composition** [Hum96a]. **compound** [LR92]. **Compressibility** [TZA96]. **Compressible** [BD96, BR97a, BLG97, BW98, CHL+90, CS97b, CCG95, CMM93, ES93, FB94, FAH97, FMM99, GK94, GHKH93, Han93a, Han93b, HL98, Kop94, KK96, Kop96, Kop98, Lee98b, LQK98, LKK99, LBL98, PBC+95, PG97, RG97, Sam97, SA99, SBGK99, SMT99, SMJ98, Shy98, Shy99, Sjö95a, Sjö95b, Tid97, TO98, Tou97, Tou98, WNY93, WP97, Wel98, vBKG97, vdVvdV98, BB90a, BB91a, Dar90b, Dar90c, Dar91b, DeV91, ES92, HW92a, HW92b, Lar91, MOS92, PPM92a, PPM92b, PL92b, Poi92, Tid95]. **compression** [Yan90]. **Compton** [BKP91, Win95]. **Comput** [CNG17]. **Computation** [AR96, BCRR98, BAB90, Ben96, BO92, BGP98, CS91, CKE99, DGN97, DW93, DF96, DS97b, FG97, Gue94, GÖAY95, HHF95, HRL99, IH95, JSD95, KM93b, LNR99, LJG96, LY90b, LAE98, LW97, LLT94, MM95a, Mas96, Mei98, MBI+97, MS99b, Nak95, NO93, NMB94, Nor98, Pai97, PP93, Pet96, PBD94b, PS93b, PGD99, Pry94, RS94a, RP90, RG90, RP91, RH98, Sch96, SCR97, TT90, TT91, UMS99, VM96b, WS96, WL93, WKHS97, Yak96, ZYKC98, CKQ+93, DK90, Dvo91, DK92d, DK92a, DK92c, DK92b, HCJ92a, HCJ92b, HL92a, HL92b, KKD90, LH90, LP90, PA95b, SMM+90, SV91, WR91]. **Computational** [AAK+93, AN98, ARV99, Ano99r, Ara97, AK94b, BH99, CAA93, CM94, FH97, HHM96, nJWP96, Kel94, KM96, Lil97, MW97, Mar94a, MLBW97, MBP94, Nac96, ÖL96, PC98, QG98, Rie99a, Sam97, SSB+99, Sch99, SH98b, TW93, TM94, VNC92a, VNC92b, WF99, Xia99, YDT93, ZHL96, AA90, AA91, Bey91, Bey92, Fau90, FS91, FS92, Gre90, NSR92a, NSR92b, YSG91, YMB+91]. **computational-mode** [AA90, AA91]. **Computations** [BL99, Bar91a, BCM99a, Boy94, Boy96a, Boy96b, Boy97a, Boy97b, BCR99, CSW98, DZ96, Ena93, FCC97, Har94, HR96, Hwa96, Jak93, KC97, ST95, Str99a, TCS97, Tsy95, YH95, CW92c, DHS91, GMP92a, GMP92b, LL91, PPM92a, PPM92b]. **Compute** [CL93]. **Computed** [Shi93, AF90, AF91]. **Computer** [BGGT90, CR96, DM90, DM91b, JZQ+95, KWG94, MB99, CYD92, MNR90, VY91, VY92]. **Computers** [BGB99, DB98, DLMN91, DLMN92b, DLMN92a]. **Computing** [AK99, BCM95b, BW98, Bör97, Boy95b, Cho93a, Edw96a, Fen99, For97, HAC97, Hob93, HKS98, KM97a, LLD93, Mar97, MOS92, OS90, PM92, PM93, SW96, SSO94, Vra95, WSK99, Zho96, vD97b, BP90, CPP93, Hob92, Hor90, Hor91, LLD92, Lar91, Mor92, VBB90]. **Concentrated** [Zin94b]. **Concepts** [Mat97]. **Concurrent** [FLD93, Swe94]. **Condensed** [MP96]. **Condition** [EL96b, HS93b, JB93, PPBC93, PZC98, SDI98, TW94, TAC98, WNY93,

Wan99, AN90, Dar90c, Dar91b, HLB94, PPBC92, SC90]. **condition-free** [AN90]. **Conditional** [dNPT95]. **Conditioning** [NPC93]. **Conditions** [APV98, AE98, BH96, BPT95, BC99, BJ95, Boy98, CGA94, CJR95, Clé96, DR96, DNN93, FH94, Fer95, GN96, GC95, Gri94, GK95, GK96, GK98, GZ95, GS97b, Hu96, Ji94, Joh93, KLP94, Leb99, LT96, MB94, Nic99, NC99, PNC94, Pet98, PH95b, RF96, SY97, Set94, SI94, SWD95, TG96, Tou97, Tou98, Tsy95, Zin94a, BG92, BR92c, BR92d, CP90, DM92c, Fer90a, Fer90b, Giv90, Giv91, HTK90, Hig92a, Hig92b, JW90, LG94, PL92b, Poi92, RR90, RR91, Ren92a, Ren92b, Rom92a, Rom92b, Sal91, Tho90, dG92a, dG92b]. **Conducting** [ARTAAA97, Bis95, HR96, AN90, Poi91]. **Conduction** [CM99b, HIY95, LEI96, Liu96a, SCM98, ZWS98, dG96]. **Conduction/Radiation** [dG96]. **conductivities** [Yor90]. **Conductivity** [LEI96]. **Conduits** [SCC93b]. **Cone** [LB93]. **Configuration** [Gre98, OGBSK90]. **Configurations** [KK95, KCJ95, LH92, Nic93]. **Confined** [AM96]. **confirmal** [Dar90a]. **Confluence** [Sch99]. **Conformal** [BST95, DE93, Hum96b, KM96, Dar91a, LM92]. **Conformational** [SFHD99]. **Conforming** [ADS96, KT99]. **Conjugate** [ANL94, BL98, Che91, MBP94, Dav91, Dav92a, Dav92b, NP92]. **Conjugated** [PNC94]. **Connected** [KM95, vGVO98, BW90, BW91, GGM93]. **Connecting** [LLT94]. **Connection** [LK94b]. **Conquer** [WDE98]. **Conservation** [Anc94, BLK90, Bih96, BT97b, CBSW98, CG97a, Cha95, CWC99, CL98a, CS98b, CK93b, DW95a, DW96b, FB94, FAH97, Fur99, Han93b, Har97, Jin94, Jin95, JL96a, Lav93, Lax97, LWC93, LR94, Noe94, PLD97, PQ94, PP93, Sal94, YPH94, BWJ90, CGSS90, CGSS91, Col90, Dur91, DEO92, Har92a, Har92b, LO91a, LO91b, LY90a, MWJ91, NT90, RT92, SW92, Shu92a]. **Conservative** [Abg96, ABC$^+$98, BTW96, BCDL97, BC98, CNG99, CWG90, CWG91, CJ94, CDW99a, Epp94, FKM99, Gra99, HS93a, Hir97, HB97, JMT97, Jin94, KPP99, KK96, Kop96, KNR99, LW96a, MLVM98, Smi99, ST99, TLW95, TPRC96, Wan95, vL97c, CNG17]. **Conserving** [Oku95, Ruy93, SVV98, Flå92b, Flå92a]. **Considerations** [Bar94, MBI$^+$97, SC96b]. **Considering** [JM98]. **Consistency** [dNPT95]. **Consistent** [Coo99, Kar94, KTN$^+$94, LW94, MJPC99, Swe96, Waj93, DHS91]. **consistently** [HHG91, HHG92]. **Constant** [BLL99, EOS98, She95, Sor95, But90a, GCMR90]. **Constants** [BCM99b]. **Constrained** [CK93b, Jai97, LS94, MB92]. **constraints** [HM90]. **Construct** [MS99a]. **Construction** [AS99a, AD93, BWJ90, CBSW98, CG97a, Gou96b, Hes98, MWJ91]. **Contact** [Had99, Lav93]. **Contact-Line** [Had99]. **Containers** [KP97b]. **Containing** [CLO93, LO93, OB95, Ram92a, Ram92b]. **Contaminant** [GP98a]. **Contamination** [RHT96]. **Context** [Bot98]. **Continuation** [CMW95, NCF96, Nic98, vD97b, SK90]. **continuity** [SA90b, SA91]. **Continuous** [GEK$^+$97, PS93b]. **Continuum**

[CW98, Had99, LCM96, RMO99, WF99, BKZ92]. **Contour** [BFW98, Dri97, LD93, VM94, VM97, ZHR97]. **Contrasts** [VSM99]. **Contribution** [IS96]. **Contributions** [WL93]. **Control** [BD97a, Bra93, Eça96, FT96, GB97, HR96, IR98, LB94, MG97b, OK94, Glo92, HL90, HL91, TA91a]. **Controllability** [BGP98]. **Controlled** [BD96]. **Convection** [BY94, BDS+99, CZS98, CT98, GKZ97a, HOS93, HO96, Hwa96, nJ93, Kno98, KB99, LSLG97, OGWW98, Rig94, SW96, TC98, XMP97, Yav97, AM90, Fog92b, Fog92a, LMP92a, LMP92b, LT91, LT92, LE90, LE91]. **Convection-Diffusion** [CZS98, GKZ97a, HOS93, Hwa96, XMP97, Yav97, AM90, Fog92b, Fog92a, LE90, LE91]. **Convection-Dominated** [OGWW98]. **Convective** [CMMH94, CGY93, CL98b, HI98, Li97, Mal96b, MWW96, CGY92, JC92, Sal91, dG92a, dG92b]. **convective/radiative** [Sal91, dG92a, dG92b]. **Convergence** [Azm99, BR94, Boy94, Eye96, Löt94, SPC93, Ven95, Web98, Arm94, HHG91, HHG92, SPC92, VBB90]. **convergence-improving** [VBB90]. **Convergent** [HOS93]. **Conversion** [Bel97]. **Convex** [LO98]. **Convolution** [RMO99]. **Convolution-Generated** [RMO99]. **Coordinate** [CKR93, DM93, Hig99, HLL99, HC93, PFS98, Pri95, SH94, Zha94, BRL91, BLMR92, BM90b, BM91c, Cal90, Cal91, EHW90, EHW91, LT91, LT92, LH92, RKV90, RKV91, SKK90, SKK91, SH92]. **coordinate-space** [BLMR92]. **coordinated** [Blu92]. **coordinated-space** [Blu92]. **Coordinates** [BD97b, BW98, HD97, Jor99, MM95b, MS98, NGN97, Ruy93, SNU98, SW99a, STS98, VO96, YP98, ZSK94, CLJ+90, HWY90, HWY91, MDA91, RP90, RP91, SV91]. **Coriolis** [Cod99]. **Corner** [AAL97, FC95]. **Corner-Balance** [AAL97]. **Corners** [DE93]. **Corona** [Fen99]. **Coronal** [LMS98]. **Corrected** [BB97b, BK97b, För96, GMM99, SS94, TO96, Zal97, ZWS98, DeV91, Gra90]. **Correcting** [AK94b]. **Correction** [Boy97a, JMT97, SS96a, TW94, Wer95, AB94, Kor90, Luc90, Luc91, Mul92b, Mul92a]. **corrections** [BS90]. **Correlated** [RS99b]. **Correlation** [BK97b, DD92a, För96]. **Correspondence** [OK94]. **Corrigendum** [Ano90o, CNG17, MKM04, VSG96]. **Corrugated** [SF99]. **cosmic** [MMR90]. **Cost** [FBM93]. **Couette** [Bar91a, CRRR97, Kup98, PC99b]. **Coulomb** [BFO99, GS94, GS97b, JLM+96, Kou96, MLJ97, MBF94, NY98, SH99, WONM96]. **Coulomb-Type** [GS97b]. **counterexample** [Gre90]. **counting** [LS92c, LS92d]. **Coupled** [AK94a, Cra94, GKKR99, Gou96a, HKM96, Her93, HK93b, JSD95, LNR99, LZ96, SS96a, Sco96, STW97, SA90a, SL96, TS99, IM95, SCC93a, VNC92a, VNC92b, ZS92a, ZS92b]. **Coupling** [Ari97, AC93, BMZ95, BLT96, CLO93, CM99a, Clé96, LM97, Tiw98, YG95, ML92]. **Courant** [AN90]. **Cover** [CS97a]. **Covering** [BS99d]. **CPA** [BFGG94]. **Crack** [ARV99]. **Crank** [Alv91, Alv92]. **CRAY** [WKHS97, Par90]. **Criteria** [Lee98a, MW93]. **Criterion** [Sco98]. **Critical** [GS96a, Cha90, PRMV90]. **Cross** [EOS98, HC97, Hel95, hYsY96]. **Cross-Section** [EOS98]. **Cross-Sectional** [Hel95]. **Crystal** [AT92, BCRR98, HKW97, RT94, SS91, SS92, YR93]. **Crystal-Crystal**

[HKW97]. **Crystals** [Dob99, FG97, LW96b, PCLC97]. **Cube** [Rea97]. **Cubed** [RIP96]. **Cubic** [Eyr94, RFH93]. **Cumulative** [Ano95t, Ano96w, Ano97-28, Ano98-27, Ano99-28, NY98, WH97]. **Curl** [BD97b, Mad95]. **Current** [FH97, FGM97, FCC97, Mar93, Mat94, MQS95, TSW95, vL97a, vL97b, LHI90, ND90, TA91b, TAD92a, TAD92b, XPK90]. **Current-Voltage** [MQS95, XPK90]. **Currents** [ARV99, Fen99]. **Curvature** [BW95, Cho93a, HKS98, NPV96, Ruu98b, Set94, vM95]. **Curve** [BW95, SR92b, SR92a]. **Curved** [Hew97, MLS99, hYsY96, SD93b]. **curves** [SR90]. **Curvilinear** [BD97b, HD97, Jor99, MS99a, MS98, YP98, ZSK94, Zha94, vBvNW95, BK91, BK92a, BK92b, HWY90, HWY91, LT91, LT92, SV91]. **Cutting** [TKT97]. **CVD** [TH96b]. **Cyclic** [Mat94]. **Cyclo** [CO95]. **Cyclotrons** [oJ97]. **Cylinder** [AR96, DQ95, HD97, HC93, JYH93, SB96a, IT90]. **Cylinders** [MB96, CG97c]. **Cylindrical** [BFW98, LMS98, LS98, MV99, PL93, Pri95, Ruy93, VO96, dG96]. **Cytidine** [LLLY99].

D [Ano99-30, Dvo91, DK92d, DK92a, DK92c, DK92b, MKM04, TA91b, TAD92a, Mar90, BP90, BBF+99, BR97b, BM91a, BM91b, Bor91b, Bor92a, Bor92b, BIAV98, BDML94, COS+98, CDM98, CPB96, CC98, Clé96, DH96, Dau92a, Dau92b, Dob99, EL97a, Eça96, Efr97, FLD93, FWBS94, FK97, FG97, FPB98, FQ96, GNHP95, GBL+92, GM96, GHS93b, GHKH93, GS93, HKS98, Hu95, ID96, IM95, Ji96, KKH+99, Kan92, KL92a, Kar97, KPCJ97, KCJ95, KH97, KO98, LLD92, LLD93, LMP92a, LMP92b, LL95, LQK98, MKM99, Mat94, Mau99, MW94, Nor96, OS97, Oos97, PK94, PH94, Pet96, PV99, PV93, RF96, RS94b, Sal94, Sha95a, SS99c, Str96, Str97, TZA96, TH96a, TLW95, VAVB92, VAVB93, Wal94, Wes92a, Wes92b, Xia99]. **DADIPIC** [GH95]. **Damage** [Maz94]. **Damaged** [BH99]. **Damped** [TWV97]. **damping** [Fri90]. **Dancoff** [MP93]. **Dangers** [BS93]. **Darwin** [OS97, DHS94, GH95, GH97, HLD92b, HLD92a, SAB95]. **Darwin-EM** [OS97]. **Data** [AK98, Ben95, BS96, Eve96, oJ95, LWS98, Lya99, MD95, Nor95, OG97, PBD94b, PGD99, WEMH99, DT90a, DT90b, GWI92]. **Data-Dependent** [OG97]. **Data-Parallel** [BS96]. **Davidson** [BO98, Mor90, Mor92, vD97b]. **Davidson-Type** [BO98]. **Deaminase** [LLLY99]. **Decay** [JZQ+95]. **Decaying** [BC98, DM92c]. **Decomposition** [AC93, BGM95, BD97a, Ben95, DZ96, DK96, Dvo91, DK92c, HP99, LO98, MQS95, RG97, RF95, SR97, SRA98, Tiw98, Chi91, Chi92a, Chi92b, DD90, DD91, DK92d, GHS93b, SD93b, Tid95, Fey98b]. **Deconvolution** [Rob99, Rei92a, Rei92b]. **Decoupling** [SK94]. **defect** [AB94, Kor90, Mul92b, Mul92a, SVS90, SVS91]. **defect-correction** [AB94]. **deferred** [Luc90, Luc91]. **deferred-correction** [Luc90, Luc91]. **Defined** [KKK95]. **Defining** [Nic99]. **definite** [SG90]. **Deflagration** [FAX99]. **Defocusing** [Osb93]. **Deformable** [CS97a, CS99, CT98, SK98]. **Deformation** [ALTP98, Bot98, KWG94, LSLG97]. **Deformations** [CKR93].

degenerate [FP92]. **Degree** [CK96]. **Delaunay** [Her93, Mav95, Reb93]. **Delta** [Iva93]. **Delta-Matrix** [Iva93]. **Deluge** [Due93]. **Delves** [Boy97b]. **Dendrites** [Sch96]. **Dendritic** [JT96, WS96, Alm93, AT92, SS91, SS92]. **Dense** [WL96, CG97c]. **Densities** [SRVK96, EMRS91]. **Density** [ABC+98, BCM99a, CDT98, EL97b, Gag98, PAB+97, Rom97, Ruy93, SBGK99, Val91a, Val91b, WKMH97, BM92, BES90]. **Density-Conserving** [Ruy93]. **Density-Matrix** [BCM99a]. **Density-scaling** [Val91a, Val91b]. **Dependence** [Ben95, CK93a, Kal97, CK92]. **Dependent** [AN98, AIV99, BY94, CBL95, GG97, GP98b, GK96, HG94, HK94, JT93, LP97, NC97, NPV96, OG97, OP97, Rom97, SB95, SNU98, Sha99, SWD95, TCS97, ZSK94, CH90b, CH91, Dra90, DLMN91, DLMN92b, DLMN92a, LHI90, LRB+90, LBC+91, SM92, Sto92, TEKC92, Tho90, Wat92b, Wat92a, XMP97]. **Deposition** [AS95a, AS95b, AS97, EGS96, LPR96]. **Depth** [BY94, KS92]. **Depth-Dependent** [BY94]. **Derivation** [Abe97, Car91, MDA91]. **Derivative** [Cod99, CSW95, MJP93, MWW96, MS93]. **Derivatives** [BCM95b, GNH96, IH95, KTN+94, STG+96, YG94, BE91, BE92a, BE92b, RF90, RF91]. **Derived** [LPP99]. **descent** [HB90a, HB91]. **described** [MDA91]. **describing** [Nic93, TMR92a, TMR92b]. **Description** [RWTC95, VBD99]. **Design** [Ara97, Ari97, BB97a, ES98, IS96, JB95, Lee98a, Lee98b, LWT99, Lil97, SCR97, YZ98, FS91, FS92]. **Designed** [Mav95]. **Designing** [GO96, GO98]. **Despite** [Nor95]. **Destabilizing** [Bec94]. **Detailed** [EGS96]. **detecting** [MH92]. **Detection** [ARV99, Loe93, MML98]. **Determinant** [Wit96b]. **Determination** [CG97b, EOS98, MM98, SF99, LH92, LP90]. **Determining** [BH99, MG96, MSV98]. **Deterministic** [Ber95, Nor96, Rus93, Tad97]. **Detonation** [ABS96, FAX99, ZDD99, CKQ+93]. **Developing** [AK97, LWS98, Bue91]. **Development** [KP97b, KCV99, SWT98, Swe94, YSG91]. **Developments** [vL97a, vL97b]. **Device** [KL93, LWT99]. **Devices** [FO93, Fen99, MQS95, PL98, XPK90]. **DFT** [WDE98]. **Diagonal** [Ano94t, ESM98]. **Diagonalization** [CG97b, YS98b]. **Diagram** [PJ94]. **Diagrams** [HK93b]. **diatomic** [Dav91, Dav92a, Dav92b, KEHK90, KKD90, KEHK91]. **Dielectric** [ARTAAA97, GGK95, GKG95, Rob90b]. **Dielectrically** [ART95a, ART95b]. **dielectrics** [AP91a]. **Difference** [Bai97, CGA93, CGA94, CO95, CJ94, CJS99, CGY93, CM95, CF98, CF99, CKR93, CDW99a, CL98b, DW98c, DDS97, EL96b, EL97a, EL97b, Epp94, FO93, Fat99, FMO98, FWBS94, FM97, Fur99, GS97a, GO96, GO98, GN96, God99, GO95, HT95, HOS93, HMOS95, Hir97, HWM96, HW96, Hui90, Hui91, HKvV95, Hwa96, oJ95, oJ97, JcW99, JT93, LBB94, Li97, Lin95, LL93a, Luk99, Mah98, kM93a, Mat97, MS98, MLVM98, NC97, NC99, PZC98, PBD94a, Rav97, Rig94, Roe97a, Sak96, SZ97, SPC93, Sco98, SA95, Sha99, SS95, Sjö95a, SM98b, TW93, TW94, TN98, Van99, VO96, VSG95, Weg97, XMP97, YL98, ZLOT98, ZC94, Zho98, ZL93, dLMSS95, vL97c, Ano95u, AP91a, BB90a, BB91a, Ben90, BY90, BY91, Car91, Cas90, CGY92, Dic90, For92c, FMS92].

difference [HT94, HGH90, HGH91, Lay90, Lel92, kM90, kM91, Mao92b, Mao92a, MH90b, MH91, MLB92, MMS90b, MMS91, NSR92a, NSR92b, RM90, RM91, Ren92a, Ren92b, Rob90a, SPC92, Str94, ST92b]. **Difference-Based** [MS98]. **Differences** [CO95, MQS97, Gla92b, Gla92a]. **Differencing** [MWS96, Sil93, Tol94, TL98, Fig92, HSN90, MDHW92a, MDHW92b, NT90, Shu91, Shu92b, Shu92c, Sil92]. **Different** [Gel99, Mei98, NMW+96, LRB+90, LBC+91, Mak90a, Tid95]. **Differential** [BK97a, BPM98, CZS98, CGKC93, CD98, HKM96, HRR94, HS94, MQS97, OD99, Pet94, PMR97, QW93, RIP96, Tei99, VPS95, VP96, WD97, BB91b, BBF92a, BBF92b, Car91, CH90a, CGKC92, DM90, DM91b, FVZ90, HGH90, HGH91, HLD92b, HLD92a, ISW92a, ISW92b, KL97, LK90, MS90b, MS91c, Wat92b, Wat92a, YSG91]. **Differentiation** [BCM95b, GNH96, STG+96, Sol92]. **Diffractive** [HDL99]. **Diffusing** [LR90, LR91]. **Diffusing-vortex** [LR90, LR91]. **Diffusion** [AD97, AIV99, BYMZY95, Bec94, Boy98, BBGL93, CZ98, CBS93, CGY93, CC97, CZS98, EP96, EM94, FD93, FPQ93, Gra95, GKZ97a, Hag94, Han93b, HOS93, HMOS95, HO96, HWM96, HGFH95, Hwa96, HSS97, KD97, MRS98, OBB98, OP97, PA95a, PBD94a, RKO99, RK99, Rig94, RT94, Ruu98a, Ruu98b, SvD96, SS96c, SWT98, SL96, Tei99, TN98, Wan97, Win95, WK99b, XS93, XMJ95, XMP97, Yav97, AM90, Bor91a, BLA92a, BLA92b, BB90b, BB91c, CW92a, CW92b, CGY92, CYD92, Fog92b, Fog92a, GM92, Lay90, LE90, LE91, MH92, MMS90b, MMS91, MB92, MDHW92a, MDHW92b, DW98b]. **Diffusion-Convection** [Rig94]. **Diffusion-Generated** [Ruu98a, Ruu98b]. **diffusion-type** [GM92]. **Diffusive** [FWBS94, MP97, nJ93]. **Diffusivities** [Rie94a]. **Diffusivity** [HB95, OP97, HCP93]. **Dilute** [BMGM95]. **Dimension** [CK96, PLD97, Dar92, MRS94, RT92, ZB92a, ZB92b]. **Dimensional** [AS95a, AS95b, AR93, ACLW97, Ara97, AD93, ADH+93, BY94, BYMZY95, BGB99, Ber96, BO96, BS98b, Bro95, CS93a, CZ98, CS99, CA93, DW97, DR96, DW93, DIV98, DF98, DL94a, EO98, ES93, EGS96, Eyr94, FAH97, FKM99, Fis94, FJGP94, FCC97, Gel99, GG97, GB97, GM98, GLN+99, HOS93, HKNT98, HK94, HB97, HLL99, IH95, IS96, JH97, KKK95, KT99, KPC93, KKOF97, LO96, LS96, LWT99, LJG96, LPC+93, Lil97, LMB94, LL94, MD95, kM93a, MM96, MB97, MLBW97, NMB94, NGN97, Pai97, PB98, PBBS95, PDHS94, PZ98, Pri93, Pry94, RS94a, RCA93, RKJ97, Rig94, RHT96, Sch96, SLMS98, SVV98, SM98a, SBC99, Sim93, ST93, TSW95, Tan94, Tei99, TN98, TO98, VD97a, Ver97a, Ver97b, VO96, VS95, Vu98, Wel98, WSK99, Wha96]. **Dimensional** [WL93, WWW95, YYCH98, ZLOT98, ZB96, Zha98, ZZ98, ZYKC98, ARS91, AS90, AS91, AF90, AF91, BRR92, Bar91b, BKM90, Bil90, BM90a, Bor91a, BLA92a, BLA92b, Bue91, CS92a, CW92a, CW92b, CSW98, Cas90, CPJ90, CYD92, CKQ+93, DGD90, ESM98, ES92, Fig92, Fog92b, Fog92a, FVZ90, GM95b, Gre91, Gre92a, Gre92b, yGmC92, GC92, GMCH92, HSN90, Hoo90, Hor90, Hor91, HL90, HL91, Kle95, KG90a, KG90b, KG91, KPC92, LS92a,

Lav90, LG90, LG91, LHI90, LPvL93, LS92c, LS92d, LO98, Mao92b, MB92, PPM92a, PPM92b, RCA92, RH91, RCAM92a, RCAM92b, RG90, RIW90, Rus90, SC90, SH92, SBGK99, SBGM92, SWT98, ST92a, SA92a, SA92b, Val90, VMK91, WEQ+99, XMP97, YR98, YTS92, vdVMK92b, vdVMK92a].
Dimensions
[ABC94, AFH94, BLP98, Dri97, Nor98, Tan93, Wit96b, YG94, ZHR97, But90a, CGR99, DZ91, DP91, DP92b, DP92c, MF92, Rok90, SKK90, SKK91].
Dimer [BS99d]. **Diminishing** [TO96]. **Diode** [CCGJ95]. **Dip** [RLT93].
dipolar [CPP93]. **Dirac** [Alv91, Alv92, CK90b, CK91]. **Direct**
[BK93, BCT98, CBL95, CB96, CR96, COBA95, DGN97, DB96, DE99, GBCA99, GH95, GH97, JMR94, KPC93, MM95a, Mau99, MB96, Pal93, RM90, RM91, RM93, SFHD99, She95, Sho93, SF99, BO92, GL96, KPC92, Lif92, Mar90, Osb90, Osb91, PL92b, Poi92, PA95b, Pri90, Pri91, PO90, PO91, RCAM92a, RCAM92b]. **Direction** [LT96, MWW96, RY94, HM95].
Direction-Adaptive [LT96]. **Directional** [Bra93, YZ98, ZWS98].
Directions [BM94, Cle97, MBV93, RL97, SMR91]. **Dirichlet**
[GGM93, HPG98]. **Dirichlet-to-Neumann** [HPG98]. **Discharge**
[Hag98, Kul95, LW94, YPH94]. **Discharges** [SG94]. **Discontinuities**
[FAX99, Lav93, kM93a, kM90, kM91, Mao92b, Mao92a, RLM90, TP92a, TP92b]. **Discontinuity** [HML99, LK94a]. **Discontinuous**
[BR97a, BR97b, CS98b, CSW95, HHR99, LW95, LKK99, MWS96, OBB98, SHF97, TSW95, WK99a, vdVvdV98, Bor91a, BLA92a, BLA92b]. **Discrete**
[Abe97, AE98, Bec94, Edw96b, GACN93, Hag98, HW96, JR99, KLBD93, KI99, Kla99, KTN+94, Mad95, NP94, PC99b, SY97, Sie99, SDI98, Tou98, TM93, WDE98, Arm94, HLB94, MGP91, MS90a, MS91a, Nad95, RNSV91, Sch92b, Sch92a, SA90b, SA91, Str91, Str92a, Str92b]. **Discrete-Ordinates**
[GACN93, Sie99]. **Discrete-Velocity** [NP94, Nad95]. **Discretisation**
[CSW95, Gil97]. **Discretised** [HO96, IABBG91]. **Discretization**
[ABBM96, BKV98, COS+98, CDF95, CS92b, CS92c, Cod99, CD95b, GN96, MRS98, RB95, RL95, SVV98, XMP97, vBvNW95, vGVO98, Bor91a, BLA92a, BLA92b, Gro91, Gro92, NSR92a, NSR92b, YSG91]. **Discretizations**
[AHS96, GKZ97b, HS99c, MW97, MS99a, OGWW98, SP99, Tid95].
discretize [BK91, BK92a, BK92b]. **Discretized** [BH95, IGABB90]. **Disks**
[Sch95a]. **Dispersion** [DS97b, FD99, HHM96, ST92a, ST93, SH98b, TW93, Zin94b, TMR92a, TMR92b]. **Dispersion-Relation-Preserving** [TW93].
dispersions [CG97c]. **Dispersive**
[AQ98, Luk99, CWG90, CWG91, FM92, Fra92]. **Dissipation**
[Fur99, HHM96, Lin95, SMD98, SH98b, SRT98, TYS95]. **Dissipative**
[GA95, Leh99, WVHS98, YSD99]. **dissociation** [KKD90]. **Distances**
[HA93]. **Distortion** [CS98a]. **Distributed** [SZ97]. **Distribution**
[Eça96, GA98, LKLE90, LLEK91, Osc94, CK90b, CK91, HN95, MS91b, MS92b, MS92a]. **Distributions** [AH99, OP97, WKMH97]. **Disturbance**
[MLBW97]. **Disturbances** [CRRR97]. **Div** [BD97b]. **Div-Curl** [BD97b].
Divergence [DL94a, Hil97, MBV93, Mad95, SP98, van93].

Divergence-Free [DL94a, MBV93, SP98]. **Divergent** [BDML94]. **Divertor** [Kno98, STS+97]. **Divide** [WDE98]. **Divide-and-Conquer** [WDE98]. **DNA** [BH99, JMDB99, JVS97]. **DNL** [SDI98]. **DNLS** [Flå92b, Flå92a]. **Domain** [AK95, Ano94t, AC93, BGM95, BD97a, Bis95, Clé96, CJM97, DZ96, EOS98, Hag94, HKNT98, HDL99, Hwa94, KM95, MQS95, ÖLJ98, RG97, RF96, Rob99, RF95, SSR96, SA95, Sha95a, Sha96, SR97, SRA98, TS96, Tid95, Tiw98, VPS95, VP96, Wan99, YL98, Chi91, Chi92a, Chi92b, CH90b, CH91, DD90, DD91, GHS93b, Han93a, HPS92a, HPS92b, HJ98, Kan92, KL92a, LM90b, SD93b, TKKB92, Tes92]. **Domains** [BS98a, GPWZ96, JC98, Kel94, KW93, LKK99, MM97a, Mau99, PC96, PK95, TAC98, Tau94, TM94, vGVO98, CW92c, CJ95a, GGM93, LM90c]. **Dominant** [CDF95]. **Dominated** [AE95, KRGv93, OGWW98]. **Don't** [Bar90]. **Double** [BES94, DÜ92a, Ji96, SMW99, Weg97, Wit96b, DÜ92b]. **Double-Adiabatic** [Weg97]. **Double-Gyre** [SMW99]. **Double-Well** [Wit96b]. **doubling** [NSR92a, NSR92b]. **down** [GGP97]. **Drag** [Mon97a]. **Drift** [GBS+93, SCG94, Smo98, TN98]. **Drift-Diffusion** [TN98]. **Drift-Kinetic** [GBS+93]. **Drilling** [GBBH96]. **DRISM** [LPP99]. **Driven** [MWM94, MRB94, SMW99, SG94, Vu96, Vu98, vM95, GGH90, MLB92, She90, She91]. **Droplets** [BMJ+97]. **Drops** [PBBS95, ZMOW98, PBBS91]. **Drying** [FT96]. **DSMC** [Pri90, Pri91, Rie99a]. **Dual** [Osc94, MH90b, MH91]. **Duality** [DÜ92a, DÜ92b]. **Duct** [AK94a, FB94, BAB90]. **Ducted** [TAC98]. **Due** [AAK+93, AR97a, Cor96, FCC97, Ske98, Wri98]. **during** [TH96b]. **Dusty** [Mon97a]. **Dynamic** [CL98a, Eyr95, FLD93, JVS97, KNR99, LB94, LPC+93, MKM98, MKM99, MKM04, NPV96, PGD99, BBK90, BBK91, HLD92b, HLD92a, TKKB92, Tes92, Ver91]. **Dynamical** [LLT94, RG97, YSG91, YDT93, MMR90]. **Dynamically** [GDP96, Rie94a, VP96]. **Dynamics** [ABS96, BFW98, BGGT90, BC99, BN94, BLL99, CV97, DOOSM99, DM93, Dri97, DL94b, DMW99, Eka99, ESH93, EH93, GKDT96, GKL+96, GBS99, HRL99, Jai97, KSB+99, Kho98, Kla96, KT95, KKOF97, LPP99, MNP90, MW97, MS99a, MRC93, MSF94, Maz97, Maz94, Mon97a, PC99a, Pli95, RC95, Rap93, Rei99, RFL93, RMO99, SMD98, SS99b, SMSS98, SFHD99, SW99a, SHF97, SW99b, UKSTST97, VM94, Vie94, VM97, WH98, WVHS98, XH98, YCTC97, ZHR97, dM97a, vL97a, vL97b, Bil90, BBK90, BBK91, BM90a, Boy90, Boy91a, BGM91, JVR93, Kop90, Kop91, LRJ+99, MH92, MM91a, MOS92, YSG91, YMB+91]. **Dynamo** [KB99]. **Dyson** [För96].

Earth [JSD95]. **Earthquakes** [PM99]. **easily** [dFSS92]. **Easy** [HK93b]. **Economization** [Boy95a, LRW95]. **EcoRI** [JMDB99]. **Eddy** [ARV99, Coo99, DFN+99, GMS+99, GM95a, Gho96, Jor99, KM97b, LIH97, LHI90]. **Eddy-Resolving** [LIH97]. **Edge** [AR93, KPC93, KM95, VS95, Zan97, KPC92]. **Edges** [PH95a]. **Edinburgh** [Swe94]. **Editor** [KHW98, Wer98]. **Editorial** [Ano99-29, Bla95, Bra96a, Bra96b]. **Effect** [BJ95, DM92c, KM97b, LSLG97,

RHB94, MS90b, MS91c, RCAM92a, RCAM92b, YHW90, YHW91]. **Effective** [APV98, Bel97, BH99, FH94, GG92b, Hel95, LK94a, WWW95]. **Effects** [BDC97, CM94, Duk95, GGZ93, HO96, JM98, JL96b, LK94a, Maz94, Rob99, YS98b, Dem92a, Dem92b, TPL90]. **efficiency** [HN95]. **Efficient** [AM96, AK98, AK99, BD94b, BSPL96, CC97, CZS98, DT90a, DT90b, DB97, DECB98, Dob99, EO98, ESH93, EH93, FMO98, GO96, GO98, Gou96a, Han93a, Hob93, JS96, JR96, KM93b, KKOF97, KS92, LPMS94, LS98, LLK98, LPR96, MV99, MRC93, MBP94, NC97, Nor98, ÖL96, Pry94, Reb93, RH98, Ruu98b, SH99, SPCD96, SMJ98, Shy98, SW96, Vra95, VSM99, Wan99, WLC96, lX98, YL98, ZCH96, Zin94b, BJ90, Dol92a, Dol92b, Hob92, JJK92, Kos92, LDB96, OGS90, OGS91, Par90]. **Eigenequations** [HKW97]. **eigenfunction** [KBS90]. **Eigenfunctions** [BK94, SW96, BS91a, Mit92]. **Eigenmode** [FH98b, Sch92c]. **Eigenmodes** [BK99]. **Eigenpairs** [DA94]. **Eigensolutions** [BSPL96]. **Eigenstates** [CG97b]. **Eigenstructure** [CDT98]. **Eigensystems** [WL96]. **Eigenvalue** [Bar94, Boy95a, Boy96b, Boy97a, DA94, HS94, Ji94, Ji96, KEHK90, MDB91a, MDB91b, NO93, OD99, BDR91, KEHK91, LP90, Mor90, PRS90, SK92]. **Eigenvalues** [BCRR98, BO98, DDD98, KM93b, NO93, SW96, WKHS97, vD97b, KKD90, MMB90, Mor92, MRD92, OS90]. **Eigenvectors** [DS96, MRD92, OS90]. **Eighth** [Jam99, ST97, ARS91]. **Eighth-Order** [ST97, ARS91]. **Eikonal** [Ben96]. **Elastic** [Ben95, CV97, JLL97, Kla96, PP93, ZS97, Hig92a, Hig92b, Sch92c, TP92a, TP92b]. **elastic-plastic** [TP92a, TP92b]. **Elasticity** [NMB94, GKM96, OB95, TKKB92, Tes92]. **elastohydrodynamic** [Ver91]. **Electric** [DDS97, JB91, JBvK$^+$91]. **Electrical** [HP99, RCA93, Yor90, YPH94, RCA92]. **Electrically** [HR96]. **Electro** [LZG99]. **Electro-migration** [LZG99]. **Electrode** [SG94]. **Electrodynamics** [Cra94]. **Electrolyte** [KB96]. **Electromagnetic** [AL97, ART95a, ART95b, ARTAAA97, AR93, ADS97, Ber96, CD95a, ETRW95, GRB$^+$95, KI99, PSL99, Sha96, SBC99, Tan93, lX96, lX97, YGH97, YP98, AN90, Ber94, BBC$^+$90, BBC$^+$91, GLM$^+$90, HTK90, KMB$^+$92b, KMB$^+$92a, Poi91]. **Electromagnetics** [ABLD94, nJWP96, Nac96]. **Electron** [FO93, KPCJ97, Kul95, SH99, Sco96, Vu96, AAP$^+$95, KDL$^+$92, LKB90, LL92a, LL92b, MM91a, PB91]. **electron-molecule** [AAP$^+$95]. **electron-repulsion** [LKB90]. **Electronic** [Fat99, Goe95, KKOF97, PDS99, WCSW99]. **Electrostatic** [FPB98, GGK95, GKG95, JLSM97, MBI$^+$97, WTH$^+$96, CG97c, Hor91, OsKB$^+$92]. **Electrostatics** [Hel96]. **Element** [ABLD94, Ano99-30, ADH$^+$93, ADS96, AK99, BD96, BYMZY95, BR97a, BR97b, BH98, Boy98, CLO93, CN95, CLNT98, CHR99, Cha95, CWC99, CD95b, DK98, Dur93, EP99, FA97, Fen99, FT96, Fis97, GMM99, GK94, Gir98, GP98b, GPWZ96, GGK95, GKG95, GHKH93, GDP96, HG94, HIY95, Han93b, HK95, HW97, Hum96a, IH95, nJ93, KKK95, KD97, KT99, Ku95, LW95, LBB94, LTE93, LEI96, LIH97, LK94b, LO93, Ma93a, Mat97, MA96, OBB98, PK95, PC99b, Poz99, Rea97, SSR96, SK93, SCR97, SL98, TSW95,

TTI97, VS95, Wan97, WJTP96, YMAC99, YPH94, Zan97, ZW97, ZOI97, vGVO98, vdVvdV98, AAP+95, Bor91b, Bor92a, Bor92b, CP90, DD90, DD91, FP91, GL95, yGmC92, GC92, HGH90, HGH91, HM90, KR95, KG92a, KG92b, LM90b, LE90, LE91, LG94, Mit92]. **element** [MB92, Nat90, Nat91, Nat92a, OB95, OGS90, OGS91, PTM92, SAB95, SNL90, VMK91, YMB+91, ZB92a, ZB92b, vdVMK92b, vdVMK92a]. **Element-FCT** [GK94]. **Element-Finite** [Dur93]. **Element/Asymptotic** [ZOI97]. **Elementary** [AK95]. **Elements** [AR93, BD94b, BMZ95, Hei98, HDL99, RS99a, RMSB96, Sch96, SK96, YMAC99]. **eletrostatic** [Hor90]. **Eliminating** [Mar93]. **Elimination** [CS98a, Edw96b, MMB90, OsKB+92, YS98b]. **Elliptic** [CLO93, CSW95, DB97, EL96c, HW97, JYH93, LF96, LO93, MB96, OD99, PK95, PH95b, SS95, Spe95, TKT97, Vad95, YMAC99, ZY94, KM92, Knu92, LM90c]. **Elliptical** [Kou97]. **Ellipticity** [Arm94]. **Embedded** [Hew97, IS96, JC98, KMM96, Mei98, BGM91]. **Embedding** [EP96, EP99, LW96b, SM98a]. **Emission** [Hum96b, KCJ95, Poi91]. **Employing** [DL94b, DHS91, Sal91, dG92a, dG92b]. **Enclosures** [Gel99, Gro91, Gro92, MRB94]. **end** [BG92, VD90]. **ende** [Bas92]. **Endonuclease** [JMDB99]. **Energetic** [BDC97, BK99]. **Energy** [CBSW98, FPB98, Fur99, JMDB99, Maz94, MBI+97, MS99b, Oku95, PDS99, PR93b, Wit96b, YR93, CYD92, CPP93, CKQ+93, Flå92b, Flå92a, Gre90, Sal91, dG92a, dG92b]. **Energy-Bounded** [PR93b]. **Engquist** [Shu97, LCM96]. **Enhanced** [Löt94, RWC90]. **Enhancing** [HS93a]. **ENO** [AS96, Bau97, CA93, HHF95, JS96, LO98, OG97, WM94, Yan90, YYCH98]. **Ensemble** [AWY99, Sch95b]. **Enskog** [GA98]. **Ensure** [BS99b, BS99c]. **Ensuring** [Glo92]. **entering** [BY92, Bra92]. **Entire** [Boy94]. **entrainment** [KG90b, KG91]. **Entropic** [BD99]. **Entropy** [BD96, BCDL97, BC98, Osc94, Set94, Sho93, BWJ90, MWJ91, Rei92a, Rei92b]. **Equal** [GA96, GG92a]. **Equation** [AD97, Abe97, AHS96, AHS97, AC95, AAP97, AK95, AC93, BK93, BB96, Ben96, BD97a, BB97a, Boy95a, Boy96a, Boy97b, BSPL96, BCR99, BCDL97, BC98, CAA93, Can96, COS+98, CG93, CH99, CJS99, CGY93, CC97, CKSB97, CGKC93, CDT98, DVD93, DK96, Edw96b, EP96, EO98, Epp94, FO93, FEO95, För96, Fra95, GA96, GGZ93, GGG94, GBS+93, GS94, GEK+97, GKKR99, GS96b, HIY95, HMOS95, HO96, HI98, Hu95, Hwa96, Jam99, JFH+98, JC98, Joh93, JMR94, KD97, KOS+96, KB96, Kou96, LPMS94, LW95, LK94a, Lif96, Lya99, MKM98, NC97, Noe94, Nor96, Nor98, Ohw98, Osb93, OP97, Pap93, PHL93, PA95a, Pry94, QS98, RK93, RF96, RW96a, RW96b, RSW98, RFH93, SB95, SWT98, Shy99, Sim93, Sim99, SRBG99, SR99, STS98, Sun93, Swe96, Taf95, TW94]. **Equation** [TV94, Tei99, TN98, Tho97, Tol94, TRL99, UWH99, WH98, Wan99, Win97, XMP97, YWS96, Zha98, ZZ98, ZY94, dLMSS95, ARS91, Ben90, BO92, Bor91a, BLA92a, BLA92b, CK90a, CRS90, Cha90, CW90, CGY92, CGKC92, CHW90, Dar93, Dav91, Dav92a, Dav92b, DGD90, DR90, Flå92b, Flå92a,

FG90b, FG90a, GG90, GG92a, GCMR90, Glo92, Gra90, GM92, GGM93, GKM96, Gro92, HWY90, HWY91, JC92, KL97, KS92, LRB+90, LBC+91, MSF+95, MS90a, MS91a, Mik90, Mik91, NSR92a, NSR92b, OGS90, OGS91, Osb90, Osb91, PRS90, Pap92, PRMV90, PO90, PO91, RF90, RF91, RCAM92a, RCAM92b, RLM90, Sch92b, Sch92a, SA90b, SA91, SM92, Sto92, TEKC92, TMR92a, TMR92b, Tas92, TSS92, YP92b, YP92a]. **Equations** [AK94a, ANL94, AM96, ABC+98, AAP97, Anc94, And94, Ara97, AS99b, AE98, AK97, ADH+93, ADS96, AQ99, AIV99, BS98a, BR97a, BR97b, BK94, Bec94, BTW96, BK97a, BMZ95, BS99f, BT97a, Bis95, BL93, BLT96, BFGG94, BPM98, CS93a, CZ98, CJ94, Cha95, CBS93, CZS98, CB97, Cle97, Cod99, CP95, CDW99a, CDW99b, Col97, CD98, CD95b, Cra94, CMM93, CSW95, DW97, DW98c, DBS94, DS96, DS99, DP93, DF96, DH95, DÜ92a, DB97, DIV98, DF98, Dri97, EVP97, ETFS94, Efr97, EP99, Eve96, Eyr94, Eyr95, FKM99, Fer95, Fey98a, Fey98b, Fis97, FD99, GTD98, GA95, GNHP95, GO96, GM95a, GK94, GN96, Gla95, GKKR99, Göt99, GTA99, GK98, GHKH93, GMPGV96, GKZ97a, HKM96, Hag94, Han93b, Hei93, Hen94, Her93, Hes98, Hil97]. **Equations** [HKR99, HLR99, Hol96a, Hu96, HRR94, HB97, HLL99, Hwa94, HS99c, ID96, JcW99, JR99, KI99, KPC93, KM95, Kop98, LO96, LM97, LS93a, LCM96, Leh99, Lil97, LMB94, Liu96b, LZ96, LS98, Löt94, LDB98, Ma93a, Mad95, MV99, Mar94b, MWW96, MLBW97, MP97, Mot98, MQS97, MJPC99, Nak95, NGN97, NPC93, Nor95, NC99, PK94, Pet94, PZC98, PV99, PH95b, PBD94a, Pop95, QW93, RL95, RF95, RIP96, RvR93, Rus93, SP98, SZ97, SPC93, Sam97, SS96a, SY97, Sco96, SNU98, STW97, Sha95a, SF96, Sha99, SS96c, SI94, Sjö95a, Sjö95b, ST93, Spe95, SVG93, Str99b, SP99, SCW94, Taf95, TAC98, Tau94, TTI97, Tei99, Tiw98, Tou97, Tou98, Vad95, VPS95, VP96, VC99, Ven95, WNY93, WEQ+99, WK99a, Weg97, WD97, Whi94, WS93, YH95, YYCH98]. **Equations** [YM95, YPH94, ZHR97, ZLOT98, ZSK94, Zha94, dFD+94, Adh92a, Adh92b, AB94, Alv91, Alv92, Arm94, BB90a, BB91a, Bar91b, BB91b, BBF92a, BBF92b, BL92, BL90a, BL90b, BJ90, CS92a, Cas90, CPJ90, Che91, CH90a, CH90b, CH91, CJ95a, Cot90, Dau92a, Dau92b, DP92a, DD90, DD91, DÜ92b, Dic90, DM90, DM91b, DD92b, Fab92, Fig92, Fog92b, Fog92a, FM92, Fra92, Ful93, FVZ90, Gla92b, Gla92a, Gro91, yGmC92, GC92, GMCH92, Gup90, Gup91, HGH90, HGH91, HLD92b, HLD92a, HB90b, ISW92a, ISW92b, IM95, IGABB90, IABBG91, JW90, KM92, KL97, KIO91, KH90, KH92, KPC92, Kop90, Kop91, Kor90, LBC+93, LM90a, LM91, LS92b, LM90b, LK90, LPvL93, LR90, LR91, LJT92a, LJT92b, Luc90, Luc91, ML92, MH90a, Mar90, MDA91, MH90b, MH91, MS90b, MS91c, Nad95]. **equations** [PM90, Raw90, Raw91, Rok90, RKV90, RKV91, Rus90, RS94b, SPC92, SD93b, SSB90, SSB91, Shu91, Shu92b, Shu92c, ST92a, SA90a, SMR91, Ste92b, Ste92a, SVG92, Tau92a, Tau92b, TfNW91, TNW92c, TNW92d, TKKB92, Tes92, Tid95, Wat92b, Wat92a, Whi90a, Whi90b, WDH+92a, WDH+92b, YSG91, ZC91, ZC92]. **Equidistribution** [SWS96]. **Equilibria** [VM96a, HB90a, HB91, RG90]. **Equilibrium**

[KL93, MVZ97, NP94, NMW+96, RC95, RKO99, TLES93, Web98, GC90, HG91, HG92, HSN90, Shu90, SLV90, Shu91, Shu92b, Shu92c, SCC93a, TT90, TT91, TA91b, TAD92a, TAD92b, VM90]. **Erosion** [SP96]. **Erratum** [Ano94r, Ano95u, Ano97-29, Ano99-30]. **Error** [AAK+93, BCM95b, CB96, FBM93, GTA99, HI98, KHW98, MG97b, Wer98, CH90b, CH91, JC92, MNR90, NSR92a, NSR92b, PB91]. **Errors** [Edw96b, Gho96, KM97b, Mar93, RHB94, BE91, BE92a, BE92b, Duk91, DM92d, DM92e, LT91, LT92]. **Essentially** [Abg94, DW95b, ES94, EL96a, Fri98, HEOC97, HS99b, Jin94, LOC94, Shu97]. **Estimated** [MO95]. **Estimating** [Hel95, Rie99a]. **Estimation** [BCM99b, LWT99, Rie94a, LT91, LT92]. **Estimator** [OP97, WKMH97]. **Etching** [AS95a, AS95b, AS97, SKO94]. **Euler** [Dri97, And94, BR97b, BS99f, CS92a, CS93a, Cha95, CP95, DW97, DS96, DS99, DP92a, DP93, Dic90, Efr97, Fab92, Fer95, Fey98a, Fey98b, GO96, GK94, GM96, Han93b, Hes98, HLR99, Hu96, HLL99, ID96, JMT97, Kop90, Kop91, LS92b, LS93a, Lee98a, LW96a, LPvL93, Löt94, MDB91a, MDB91b, MP97, Mul92b, Mul92a, NC99, PK94, RvR93, RS94b, Sam97, Sjö95b, TCS97, TAC98, Tiw98, Ven95, ZHR97]. **Euler/Navier** [MDB91a, MDB91b]. **Eulerian** [Mar97, CHMO96, CCG95, DE99, FAMO99, GBL+92, GBS+93, GRB+95, HOS96, HAC97, RH91, SE90, Smi99, Ush96, WEQ+99]. **Evaluate** [CDM98, LKB90]. **Evaluation** [Ano94s, BN94, CP98a, EG95, Gag98, GM98, HSZ+97, Jab94, MVZ97, PDHS94, QG98, SH99, lX98, BS91b, BS92a, BS92b, CG97c, CJR91, CJR92a, CJR92b, ESM98, May92b, May92a, SBKH92, ZB92a, ZB92b]. **evaporation** [CYD92]. **event** [LKLE90, LLEK91]. **Evidence** [VDJ93]. **Evolution** [BGH+97, BGH+99, BLP98, CM95, CRRR97, GWI92, Gre94, JLL97, SR99, TH96b, YDT93, ZLOT98, DZ91, TLES93]. **Evolutionary** [MQS97, MS90b, MS91c]. **Evolving** [KP98, LZG99, LL93a, NPV96, RM93, Rie94a, GG92b, Zan91]. **Ewald** [RN94]. **Exact** [AAP+95, LSB96, LV98, MS90a, MS91a, Pri94, Sak96, SZ97, SLL94, Wan99, BM91a, BM91b]. **Exchange** [BK97b, AAP+95, Mik90, Mik91]. **Exchange-Correlation** [BK97b]. **Excimer** [LW94]. **Excitation** [CAA93]. **Excited** [GSB+93]. **Expansion** [Bar94, FEO95, MBF94, Sch95b]. **Expansions** [Boy92d, DL94a, Fra95, MD95]. **expectation** [BRL91]. **Experience** [GA95]. **experimental** [Nat90, Nat91]. **Experiments** [Mar94a, Pet94, Sjö95b, Sun93]. **Explicit** [AR96, Ano94s, BT97a, CD93, CK92, CK93a, CCG95, DW96a, DW96b, GM96, Han93b, Mur96, OS98, PC96, RFL93, Ske98, SCW94, TCS97, WNY93, Wri98, YM91, YM92b, YM92a, Yee97, ZWS98, dNPT95, Ben90, Ben92a, Ben92b, KL92b, MDA91]. **Explicit/Implicit** [OS98]. **Exploration** [dM97a]. **Exponential** [CGY93, Hwa96, UL98, CGY92, KS92, LKLE90, LLEK91]. **exponential-linear-in-depth** [KS92]. **Exponentially** [HA93, MW94, Sim99, Wan97, CRS90]. **Exponents** [SV97]. **Expressions**

[Sen99]. **Extended** [Li97, Lio95, SNL90]. **Extension** [AS99a, DW94b, DHS94, MM96, SBGK99, Wir97, FK90, Kle95]. **Exterior** [AK95, DE93, DÜ92a, GP98b, SRA98, DÜ92b]. **External** [GHS93a, SW99b, Tsy95, BAB90, Fer90a, Fer90b, GHS93b]. **Extracting** [WJTP96]. **Extraction** [Tak92a, Tak92b, DK92a, DK92b]. **Extrapolated** [Cra94, GSY92, Got92]. **Extrapolation** [Rea97]. **Extrapolative** [SS99b]. **Extreme** [VSM99]. **Extremum** [Mas96].

Faces [SSW98]. **Faceted** [RT94]. **Facing** [Zhu95]. **factor** [Dra90]. **Factored** [KTN+94]. **Factorization** [BNW96, Iva93, SNU98, CM91, DD92b, Shu91, Shu92b, Shu92c]. **Factors** [Bec94, Ruy93]. **Faddeev** [HB90b]. **Falling** [RKJ97]. **Family** [Mah98, WEQ+99, GY91]. **Far** [Bas92, BJ95, Wan99, BG92, SC90]. **Far-Field** [BJ95, SC90]. **Far-from-Caustic** [Bas92, BG92]. **Fast** [AS95c, AS99a, ABC94, BCM99a, Boa97, Bör97, BFO99, BM90b, BM91c, Boy92c, BIAV98, BFGG94, BCDL97, CDM98, CL93, CD95b, DS97a, DD95, ESM98, EG95, FD99, GR97, Gue94, Iva93, JCA97, JMR94, JS93, KKH+99, LBL98, LRW95, MCPR95, MGM95, PMO+99, Pet96, Pli95, RS94b, She95, STS98, Str91, Str92a, Str92b, Str97, Str99a, VD90, VP97, Zha98, ZLP97, BP90, Boy92b, BL90a, BL90b, But90a, But91, CGR99, CPP93, Dar90c, Dar91b, Dar93, HLB94, HHG91, HHG92, JVR93, LM92, Mak99, Sol92, Val90, YR98, Boy92d, SBKH92, Sor95, Tak92a, Tak92b]. **Fast-Fourier-Transform** [Tak92a]. **FBTCS** [BD93]. **FCT** [GK94, GG92b, Ods90a, Ods90b, Ods93, Vel93]. **FDTD** [FHKZ97]. **Features** [Kel94, KE93]. **Feedback** [MSV98, WJC93]. **Feigenbaum** [VDJ93]. **FEM** [AD93, DT90a, DT90b, GQ97, PL98]. **Fermi** [Gag98, Gro91, Gro92, Hof95]. **Ferraro** [KT99]. **Few** [BCRR98, MRD92]. **Feynman** [Nog93, PJ94]. **FFT** [JJK92, LM92, PH95b]. **Fibonacci** [MCPR95]. **Fibres** [SG98]. **Fictitious** [CJM97, FPQ93, GPWZ96, HKNT98]. **Field** [BDS+99, Ben96, BJ95, CSN93, DS97b, FV97, FC95, GSB+93, GGK95, GKG95, GHS93a, Jac99, oJ95, oJ97, JSD95, KLB99, KB99, LO98, MM98, Nak95, Rob99, RT94, SSW98, TSW95, VB95, WS96, Wan99, YP98, YR93, BLMR92, Blu92, HLD92b, HLD92a, Hor90, Hor91, Poi91, RD91, RCAM92a, RCAM92b, SC90]. **field-effect** [RCAM92a, RCAM92b]. **Fields** [AR93, BS99b, BS99c, EM95, EHM97, FM97, GS97b, Knu95, MD95, Mei98, Shi93, SBC99, SW99b, SB98, TS96, Tan94, WJTP96, BAB90, CG97c, ESM98, GWI92, Hor91, RH91, VY91, VY92, VC90, VC91]. **Fifth** [Boy96a, Tol94, TL98]. **Fifth-Order** [Boy96a, Tol94, TL98]. **Filamentation** [KF94]. **Filaments** [HKS98, Qi93, Fau90]. **Film** [LNR99, MB99, Pri98]. **Films** [BCM99b, KK95, RKJ97, LY90b]. **Filter** [Boy98, CG97b, JCA97, LM95, LCM96, MO95, YS98b, Ben92a, Ben92b, SCMU92a, SCMU92b]. **Filter-Diagonalization** [CG97b]. **Filtering** [BL99, Boy98, Can95, LIH97, SD93a, LO91a, LO91b, MS90b, MS91c, YR98]. **Filters** [VLM98, YSD99]. **Filtration** [KF94, SI94]. **Find** [Rea97, MMS90a].

Finding [DA94, Hoo90]. **Finite** [AL97, ABLD94, Ano99-30, AP91a, ADH+93, ADS96, AK99, BD96, BR97a, BR97b, BMZ95, BL94, CLO93, CN95, CLNT98, CHR99, CGA93, CGA94, CO95, CA93, CGY93, CGKC93, CKR93, CDW99a, CL98b, DW98c, DDS97, DK98, Dur93, EL96b, EL97a, EL97b, FO93, Fat99, FA97, Fen99, FT96, Fur99, Gag98, GS97a, GMM99, GO96, GO98, GN96, GP98b, GPWZ96, GHKH93, Han93b, HT95, HT94, HMOS95, Her93, HWM96, HW97, HW96, Hub99, Hum96a, HKvV95, oJ95, oJ97, nJ93, JcW99, KKK95, KD97, KT99, KPP99, Kob99, LW95, LBB94, Leb99, LWT99, LK94b, Li97, LL96, LWC93, LL93a, LO93, Luk99, Mah98, MW97, kM93a, Mat97, MS98, Mei98, MW94, MLVM98, MQS97, MJPC99, MG97b, NC97, Nat90, Nat91, NC99, OBB98, PK94, PS93a, PZC98, PBD94a, Ram95]. **Finite** [SSR96, Sai95, Sak96, SPC93, Sch96, SLMS98, SBGK99, SA95, SS95, SK96, SCR97, SM98b, SNL90, SL98, SC96b, Tad97, TW93, TW94, TSW95, Tan94, VPS95, VP96, VO96, VS95, Wan97, WJTP96, WK99b, XMJ95, XMP97, YL98, YMAC99, YPH94, Zan97, ZC94, Zho98, ZL93, ZRR99, dLMSS95, vGVO98, vdVvdV98, AAP+95, Ano95u, BB90a, BB91a, Ben90, CP90, Cas90, CGY92, Chi91, Chi92a, Chi92b, CGKC92, DD90, DD91, For92c, FMS92, GL95, Gla92b, Gla92a, yGmC92, GC92, HGH90, HGH91, HHG91, HHG92, HM90, JC92, LM90b, Lel92, LG94, kM90, kM91, Mao92b, Mao92a, MLB92, MB92, Nat92a, NSR92a, NSR92b, OB95, OGS90, OGS91, PTM92, RM90, RM91, RF90, RF91, SPC92, SAB95, Str94, Tay91, TNW92a, TNW92b, YMB+91, ZB92a, ZB92b]. **finite-boundary** [PTM92]. **Finite-Difference** [CGA93, CGA94, CKR93, DDS97, GN96, HWM96, HKvV95, Li97, NC99, SA95, SS95, SM98b, VO96, YL98, ZC94, Zho98, ZL93, AP91a, BB90a, BB91a, Ben90, HGH90, HGH91, NSR92a, NSR92b, RM90, RM91]. **Finite-Element** [ADH+93, Fen99, GMM99, GP98b, Hum96a, TSW95, Nat90, SNL90, AAP+95, HGH90, HGH91]. **Finite-Grid** [BL94, Ram95]. **Finite-Temperature** [Gag98]. **Finite-Volume** [AL97, CA93, GS97a, KPP99, LL96, LWC93, MJPC99, MG97b, PK94, SLMS98, SC96b, HHG91, HHG92]. **Finite-Volume/Newton** [LL96]. **Finite-Volume/Particle** [MJPC99]. **Fire** [MRB94]. **Fire-Driven** [MRB94]. **First** [Ben95, Ena93, Jab94, Mar94a, MR99, STG+96, BY90, BY91, Hal90a, Hal90b]. **First-** [STG+96, Hal90a]. **First-Order** [Ben95, Ena93, BY90, BY91]. **Fisher** [QS98]. **Fit** [CJ95b]. **Fitted** [BW98, MW94, Sim99, Wan97, CRS90, SKK90, SKK91, SH92, Wes92a, Wes92b]. **Fitting** [TPRC96]. **five** [Fig92]. **five-point** [Fig92]. **Fix** [AK97, FMM99]. **Fixed** [LZG99, UKSTST97, UMS99, Vad97, Dra90, PL92a]. **fixed-stencil** [PL92a]. **FLAIR** [AP91b, AP90]. **Flame** [XS93]. **Flames** [QTL98]. **Flat** [CPB96, HPS92a, HPS92b]. **flaw** [Bor91b, DM91a, DM92a, DM92b]. **flawed** [DZ91]. **Flexible** [SG98]. **Flight** [LK98]. **FLIP** [Bra90, Bra91, BSB92]. **Flow** [Abg96, And94, AR96, Ano97-29, Ara97, AR97b, AMP+98, BST95, BD96, BH96, BS99e, BD94a, Ber95, BBMB97, Bro95, BDML94, CN95,

CBL95, CJR95, CE97, CM94, Cho93a, Cho97, CCG95, CDT98, CRRR97, DGN97, DECB98, DK98, DS97b, Dur93, ES94, Fis94, FJGP94, FM97, GHS93a, HC97, HD97, HCZ99, HML99, HAC97, HH98, HT97, HZC+95, HLOZ97, HW96, HL98, HC93, Jac95, JYH93, JV95, Kar94, KNW99, Ku95, KCV99, Kup98, LL99, LT93, Lee98b, LL96, Lil97, LL95, LF96, LLK98, MB99, MWM94, Mar97, Mav98, Mei98, MW94, Min96a, MB97, MB96, MH93, MLVM98, NWK98, NC93, Oos97, ÖLJ98, Pai97, Pap93, PBC+95, PH95a, PM93, Pet96, PR93a, PG97, PMR97, Poz99, Pri93, Puc97, PV93, PR93b, RS95, RWW94, RS99a, RHB94, SB96a, ST95]. **Flow** [SBGK99, SK98, Set94, SK96, Shy99, SCG94, SR98, SB96b, SP96, SXG99, SSO94, TP97, Tsy95, VM96a, Ver97a, Ver97b, WK96, WKK98, Xu97, YH95, ZP95, Zhu95, vBKG97, BP90, Bar91a, BLK90, Bor92a, Bor92b, DM92c, DD92b, Fer90a, Fer90b, GKM96, HL92a, HL92b, IT90, IGABB90, IABBG91, KBS90, Kle95, KHM92a, KHM92b, KG92a, KG92b, LGC92, LG90, LG91, LH90, MNP90, Nat92b, Pap92, PPM92a, PPM92b, PM92, PDC91, RM90, RM91, Ram90a, Ram90b, RH91, RS90, RWC90, SBGM92, She90, She91, SV91, SA90b, SA91, Sul91, SB91, TMR92a, TMR92b, VY91, VY92, WR91]. **Flow-Impedance** [ÖLJ98]. **Flowfields** [JT99]. **flowing** [MD90]. **Flows** [APV98, ARB96, AR97a, AE95, BMGM95, BLG97, BPT95, BW98, BS96, BNW96, CDF95, CS97a, CS99, CPB96, CHMO96, CM99a, CM93, CK93a, Cle97, CS97b, CP99, CEG+97, CL98b, DFaIM98, DE99, DL94a, EL96a, EL97a, EL97b, Edw96a, ES93, FB94, FAH97, FBM93, FMO97, FMM99, FAMO99, FH98b, FGM97, GSB98, GO96, GO98, GG97, GB97, GM95a, Gri94, GQ97, GLN+99, Han93a, HK95, HS99a, HSZ+97, IS96, IR98, Jac99, JR96, JSD95, Kar97, KP97b, Kno98, Kop94, KK96, Kop96, KMM96, KM97b, KMS99, LNS+94, LNR99, LLD93, Leb99, LML99, LZS98, LL93b, LL94, LQK98, LKK99, LBL98, MD98, MBV93, MPR99, MG97a, MA95, Mau99, MRB94, MPPZ96, Mon94, MFZ97, MVZ97, MB94, MJPC99, NP94, PB98, PP93, PVQ97, Pop95, PC99b, Pri95, PM98]. **Flows** [PAB+97, RG97, RL97, RH99, Sai95, SA99, SBGK99, SK98, SMT99, SMJ98, SM98b, SDP97, SCT+99, SWD95, SAB+99, SF99, TZA96, TH96a, Tid97, TM94, Ton96, TM93, Ush96, VM96b, VO96, Vie94, VRD99, Wel95, WP97, Wel98, WSK99, WL93, WLC96, WWW95, Xia99, XP99, YB98, hYsY96, YSMG97, YMUS99, ZB96, Zho96, vM95, vdVvdV98, BM92, BAB90, BY90, BY91, BY92, Bra92, Bue91, CPJ90, CS92b, CS92c, CK92, Dar90b, Dar90c, Dar91b, Dom90, ES92, Fis90, GG92b, GC90, GHS93b, GS93, HLB94, HPS92a, HPS92b, HLS94, HW92a, HW92b, Kal91, Kal92, LLD92, LS92a, Lar91, Lav90, MDB91a, MDB91b, MGP91, Mav90, MLB92, PTM92, PL92b, Poi92, RR90, RR91, RIW90, SC90, SK90, SCC93a, SA92a, SA92b, Tay91, TNW92a]. **flows** [TNW92b, UT91, UT92b, UT92a, YKM90, YTS92]. **Fluctuation** [Asl99, WK99b]. **Fluid** [Ara97, BH98, BS99e, BC99, BO96, CHMO96, CJR95, CDW99a, CDW99b, Cor96, DNN93, DE99, FAX99, FAMO99, GO96, GO98, GLN+99, HR96, HW96, HC93, IR98, Iva93, Jac95, Kho98, KPC93, KM95, KM97a, LPMS94, LT93, Lil97, LW97, MW97, Mau99, Oos97,

PAB+97, RD91, RC95, RFL93, Sai95, SK94, Sco96, Shy99, SCT+99, TK96, UI99, Ver97a, Ver97b, Vu96, Zal97, Bil90, Fig92, GL95, KPC92, KHM92a, KHM92b, KCV99, LL92a, LL92b, MNP90, RD92a, RD92b, Sch92c, SV91, UT91, UT92b, UT92a, VNC92a, VNC92b, YSG91, YMB+91]. **fluid-ion** [LL92a, LL92b]. **Fluid-Mixture** [Shy99]. **Fluid-Particle** [Mau99]. **Fluid-Solid** [Iva93, GL95]. **Fluidized** [vWBS+97, CGSS90, CGSS91]. **Fluids** [Kup98, Sch95b, SHF97, LRJ+99]. **fluorescence** [LKLE90, LLEK91]. **Flux** [AAL97, AP90, AP91b, BB97b, CB97, DeV91, DM96, DFaIM98, GMM99, GVM99, GC90, LeV98, Lin95, LS93b, LDB98, MA95, PFS98, RK95, RvR93, SS94, SCM98, SS96a, Smi99, Thu96, TO96, XMJ95, Xu99, Zal97, ZWS98, BR92a, BR92b, CLJ+90, Dic90, Gra90, Rob90a, SH90, Shu92a, Shu90, SLV90, VM90]. **Flux-Corrected** [BB97b, GMM99, SS94, Zal97, ZWS98, DeV91, Gra90]. **Flux-Correction** [SS96a]. **Flux-Difference** [Lin95, Dic90]. **Flux-Limited** [Thu96]. **Flux-Split** [DFaIM98, GC90]. **flux-splitting** [Shu90, SLV90]. **Flux-Vector** [CB97, LDB98, XMJ95, VM90]. **Fluxes** [AK97, BS99b, BS99c, CL98a, LM97, VK98, LVS90]. **FMM** [SB98]. **Fock** [Dav91, Dav92a, Dav92b, FG90b, FG90a, dFD+94]. **Fokker** [BCDL97, BC98, Epp94, GGZ93, Mik90, Mik91, PC92b, PC92a, SVG92, SVG93]. **Folding** [AT99]. **Following** [Maz94, SH94, UWH99]. **Force** [GHS93a, GBS99, SS99b, Sch95a, TWV97]. **Force-Splitting** [SS99b]. **Forced** [GGG94, MD98]. **Forces** [CDM98, Cod99, Cor96, DLMN91, DLMN92b, DLMN92a, LDB96]. **Ford** [FK90]. **Form** [BTW96, CI97, HI98, Sen99, van93, Dau92a, Dau92b, SVS90, SVS91]. **Formalism** [SS96a]. **Formation** [RKJ97, RB95, Alm93, SCA92a, SCA92b]. **Formula** [DM96, Gra95, Jam99, ARS91, LT91, LT92, Vre91a, Vre91b]. **Formulae** [GC95]. **Formulas** [KU94, LV98, Hui90, Hui91]. **Formulated** [Hag94, HHG91, HHG92]. **Formulation** [BK97b, CHMO96, CZS98, Cle97, DH95, DE99, EL97a, EL97b, EP99, ES93, Gla95, KNW99, LM95, Leh99, LH95, LLK98, MKM98, Nak95, NPC93, Pri96, RS90, TK99, Waj93, Yee97, YMAC99, AC92, BSB92, Dic90, ES92, Hei92, LM90b, MH94, SAB95, Tou92]. **Formulations** [CSW98, CE97, Had99, Shu95, Taf95, WWW95, Tid95]. **Fornberg** [Aoy95]. **Fortified** [Fuj95]. **FORTRAN** [LP90]. **Forward** [Ano97-29, CS97a, CS99, CG97b, SB96b]. **Forward-in-Time** [Ano97-29, SB96b]. **Four** [AFH94]. **Fourier** [Boy92d, SBKH92, Sor95, Tak92a, Tak92b, Boy92b, Boy92c, Boy94, BS98b, Can95, CG93, CK90b, CK91, CJ95a, CD98, EHM97, GTD98, GMCH92, Liu96b, Osb90, Osb91, Pel91, PO90, PO91, RF90, RF91, SE98, TKKB92, Tes92, TC98]. **Fourier-Wavelet** [EHM97]. **Fourier/Chebyshev** [CJ95a]. **Fourth** [AD97, GKZ97b, GO95, Hen94, RF95, Yav97, dFSS92]. **Fourth-Order** [AD97, GKZ97b, GO95, Hen94, RF95, Yav97, dFSS92]. **Fractal** [EHM97, JMR94]. **Fractional** [Abd95, AS99b, JR96, Per93, Per95, Sha95a, Yin96, ZSK94, LM90a, LM91, MPG92a, MPG92b, RKV90, RKV91].

Fractional-Step [AS99b, JR96, Sha95a, LM90a]. **fractions** [Lar91]. **Fractured** [LLK98]. **Fragmentation** [LNS+94]. **Frame** [Bar94, BTW96, HTK90]. **Framework** [BPS95]. **Free** [CS99, CJR95, CK93a, Clé96, CT98, DL94a, HS93a, HS99a, JMDB99, KP97b, KNR99, LSLG97, MBV93, MPR99, MA95, MBI+97, Mon94, Nun93, Pet96, RLT93, RS99a, SP98, SSR96, SVV98, TH96b, TLW95, TM94, ZYKC98, AN90, BR92c, BR92d, Bue91, Cal90, Cal91, CS92b, CS92c, CK92, For92c, FMS92, Kar91, Kar92, LGC92, LBL98, PBBS91, PTM92, Ram90a, Ram90b, RR90, RR91, Rom92a, Rom92b, SRSB93]. **Free-Boundary** [TH96b, LGC92]. **Free-Lagrangian** [HS93a]. **free-shear** [Bue91]. **Free-Surface** [HS99a, RS99a, Ram90a]. **Freeman** [Boy97b]. **frequencies** [Tak92a, Tak92b]. **Frequency** [AN98, ARTAAA97, BDC97, DOOSM99, DDS97, FEO95, GRB+95, GH95, PC96, SA95, Tan93, LL92a, LL92b]. **Frequency-Dependent** [AN98]. **Frequency-Domain** [SA95]. **Friction** [BLT96, PM99]. **Frictional** [GS97b]. **frog** [AA90]. **Front** [ALTP98, GT97, JT96, KP98, LS96, Mav95, MP93, QTL98, Boy92a, Poy92, RT92, UT91, UT92b, UT92a]. **Front-Tracking** [ALTP98, JT96, UT92b, UT92a]. **Frontal** [GTD98, RS94a]. **Fronts** [UMS99]. **Froude** [TSR92, TS96]. **Full** [BES94, CLJ+90, ETRW95, XMP97]. **Full-Wave** [ETRW95, CLJ+90]. **Fully** [Anc94, BY94, CLNT98, Kho98, MLVM98, MK97, RT94, SPCD96, STW97, VBD99, Wan95, MLB92, SA90a]. **Fully-Lagrangian** [Anc94]. **Function** [AFH94, AQ99, BPS95, Bri95, EP99, FD93, For97, MH94, MP93, OK94, Osc94, RvR93, Tad97, vGVO98, BG92, Bas92, MPG92a, MPG92b, MS91b, MS92b, MS92a, Raw91, SC90]. **Function-Transport** [FD93]. **Functional** [VC90, VC91]. **Functionals** [PDS99]. **Functions** [Boy92d, Boy94, CP98b, Gou96a, Hof95, Jab94, LZG99, MBF94, NCF96, PDHS94, PZ98, SRVK96, Sor95, BS91b, BS92a, BS92b, CR91, CJR91, CJR92a, CJR92b, Dom90, HS90, KF91]. **fundamental** [JB91, JBvK+91, Kar91, Kar92]. **Fusion** [KL93]. **Future** [Ano93a, Ano93b, Ano93c, Ano93d, Ano93e, Ano93g, Ano93h, Ano93i, Ano93j, Ano93k, Ano93l, Ano94a, Ano94b, Ano94c, Ano94d, Ano94e, Ano94f, Ano94g, Ano94h, Ano94i, Ano94k, Ano94l, Ano95a, Ano95b, Ano95c, Ano95d, Ano95e, Ano95f, Ano95g, Ano95h, Ano95i, Ano95j, Ano95k, Ano95m, Ano95n, Ano96b, Ano96c, Ano96d, Ano96e, Ano96f, Ano96g, Ano96h, Ano96a, Ano96i, Ano96j, Ano96k, Ano96l, Ano96m, Ano96n, Ano97a, Ano97b, Ano97c, Ano97d, Ano97e, Ano97f, Ano97g, Ano97h, Ano97i, Ano97j, Ano97k, Ano97l, Ano97m, Ano97n, Ano97o, Ano97p, Ano97q, Ano97r, vL97a, vL97b, Ano90c, Ano90d, Ano90e, Ano90a, Ano90b, Ano90f, Ano91a, Ano91d, Ano91b, Ano91e, Ano91f, Ano91c, Ano92a, Ano92c, Ano92b]. **future** [Ano93f, Ano94j, Ano95l].

GaAs [LK94b]. **Galerkin** [AC92, AQ98, ABLD94, AQ99, CS98b, DS94, Eyr95, Fen99, Gil97, Gir97, Gir98, HHR99, JLB90, LKK99, Pri94, RL95, SO95, She95, WK99a, vdVvdV98].

Galerkin-Collocation [DS94]. **Galerkin/Runge** [Gil97]. **Game** [JH97]. **Gamma** [CP98b]. **Gap** [AK99, DL94a, RCA93, RCA92]. **Gaps** [CS97a]. **Gas** [APS97, BD96, BO96, DS97b, Eka99, FMO97, JMT97, Kul95, LL93b, MS99a, Mon97a, MS99b, MVZ97, NP94, Pap93, PC99a, PX93, SMD98, SW99a, SBC99, SXG99, TH96a, TS99, XP94, XMJ95, Xu99, YCTC97, YPH94, vL97a, vL97b, vWBS+97, BM90a, Boy90, Boy91a, CMK90, CYD92, Kop90, Kop91, MOS92, Nic93, Pap92, VM90]. **Gas-Dynamics** [vL97a, vL97b, Kop90, Kop91]. **Gas-Fluid** [BO96]. **Gas-Kinetic** [PX93, SXG99, XMJ95, Xu99]. **gas-phase** [CYD92]. **Gasdynamic** [LMB94]. **Gases** [FWBS94, SLL94, LVS90, RNSV91, Shu90, SLV90]. **Gauge** [AFH94]. **Gaunt** [GÖAY95]. **Gauss** [BN94, LPMS94, Yak96]. **GAUSSIAN** [LW96b, CP98a, Chi91, Chi92a, Chi92b, FWWD94]. **GEMMW** [DHSS94]. **General** [AP91a, BRR92, GM98, KU94, RH98, SS95, TM94, Tót97, VLM98, WSK99, DS90, May92b, May92a, OGBSK90]. **Generalisation** [JB95]. **Generalised** [LH95]. **Generalization** [Boy92d]. **Generalizations** [Mor92, MVZ97]. **Generalized** [ART95a, ARTAAA97, AB97, BK94, BD97b, Can96, CJS99, CM95, HKR99, Jor99, NO93, OD99, SH94, VM90, Mor90, RKV90, RKV91, YR98, ART95b]. **Generate** [Gre94]. **Generated** [Ruu98a, Ruu98b, RMO99]. **Generating** [CKE99, Chi91, Chi92a, Chi92b, HN95]. **Generation** [And94, CPB96, CC98, CS93b, Eça96, GA98, HK93b, JS93, KM96, Knu95, LWS98, Man93a, Mur96, Nog93, OK94, Reb93, RS99b, SAS94, Set94, Spe95, TYS95, TA91a, AC92, AS90, AS91, BES90, Dar90a, Dar91a, Dar92, Dvi90, Dvi91, FK90, HL90, HL91, Kan92, KL92a, LP90, Mav90, SR90, SR92b, SR92a, Wes94]. **Generator** [CI97, MCPR95, ASTAS91, Knu92]. **Genomics** [SS99a]. **GENSMAC** [TM94]. **Genuinely** [CWC99, GNHP95]. **Geodesic** [Gir97]. **Geometric** [BB96, FH97, FHL97]. **geometrical** [BWJ90, MWJ91]. **Geometrically** [Smi99]. **Geometries** [AM96, CBL95, DÜ92a, DECB98, DL94a, Ku95, LS98, MV99, MGM95, SP98, UKSTST97, VLM98, DÜ92b, SD93b, SBGM92]. **Geometry** [Fis94, GM95a, LMS98, Pri95, RIP96, SS96b, SLMS98, UL98, VC99, BM91a, BM91b, CLJ+90, CHL+90, WDH+92a, WDH+92b]. **Geophysical** [BC99, SM98b]. **Geostrophic** [SMW99, Vie94, LBB94]. **Ghost** [FAX99, FAMO99]. **Ghosting** [YS98b]. **Given** [Gou96b]. **Glaister** [MIM90]. **Global** [Abd94, AK98, GS94, HW92a, HW92b, SSF92a, SSF92b, Swi96, WNY93, XMP97, BS91b, BS92a, BS92b, LJT92a, LJT92b]. **Global-Scale** [Swi96]. **GMRES** [KM92, Oos97]. **GMRES-Based** [Oos97]. **GMT** [ARTAAA97]. **Godunov** [Hir97, BS99b, BS99c, CCG95, DW95a, DW97, EMRS91, Hal90a, Hal90b, Kle95, KH97, LeV98, LH95, LH90, MP96, Min96a, MR98, SA99, Tab96, TS99, Van99, XH98, ZC91, ZC92, vL97a, vL97b]. **Godunov-Projection** [Min96a]. **Godunov-type** [EMRS91, MR98, XH98, Kle95, KH97]. **Good** [HP98, Mah98, Swa99]. **Gordan** [GÖAY95]. **Gordon** [AHS96, AHS97, CG93, DK96]. **GPMT** [ART95b]. **Gradient** [ANL94, BL98, BK97b, MBP94, BK91, BK92a, BK92b,

Che91, JE90, KH90, KH92, NP92, ZB92a, ZB92b]. **Gradient-Corrected** [BK97b]. **gradient-weighted** [ZB92a, ZB92b]. **Gradients** [LeV98, vBvNW95]. **Gradiometer** [JB95]. **Grand** [LPP99, Sch95b]. **Granular** [PC99b, ZDG95]. **Graph** [Nog93, MMS90a]. **Graphite** [KE93]. **graphs** [FK90]. **Gratings** [ES98]. **Gravitating** [YDT93]. **Gravitational** [CDM98, JDC94, MML98, SD93a, Sch95a]. **Gravity** [BD93, Clé96, CS93c, Dol92a, Dol92b]. **Gray** [Win95]. **Great** [Due93, DA94]. **Greater** [KSB+99]. **Green** [BPS95, Dom90, NCF96, Tad97]. **Greengard** [HM95, SB98]. **Grenoble** [Lya99]. **Grid** [And94, BK93, BH98, Boy92c, Bra93, BL94, BS98b, BSPL96, CS98a, CI97, CC98, COBA95, Eça96, Edw96b, EL96c, FH98a, FJ98, Hag94, Jak93, JC98, JLM+96, JS93, JR96, KM96, KK96, Kop96, Kop98, LZG99, Man93a, MS99a, MA96, OBL93, OK94, PBC+95, PR93b, Ram95, SS94, SAS94, SLMS98, Set94, SSW98, SBO93, SCR97, Spe95, SR97, SP99, ST99, Taf95, TYS95, Tan94, TRL99, WS93, YB98, YMUS99, ZSK94, ZC94, vdVvdV98, AM90, AC92, Boy92b, BBGL93, Cot90, Dar90a, Dar91a, Dar92, Dvi90, Dvi91, FVZ90, HTK90, HL90, HL91, ID96, Kal91, Kal92, Kan92, KL92a, Knu92, MH90a, Mit92, MF92, SV91, SR90, SR92b, SR92a, YM91, YM92b, YM92a, YMB+91]. **Grid-Based** [JLM+96]. **Grid-Point** [SP99]. **Gridding** [LT93]. **Grids** [ABBM96, AS94, AB97, ABLD94, And94, ARB96, AS99b, AD93, BD93, CG96, CKE99, CDW99b, EL97a, Fat99, Fri98, GO98, Gil97, Gir97, Gir98, HLD96, Hen94, Hub99, KPP99, KH97, KMM96, KMS99, LS93a, LL96, LO98, LV98, Löh95, LBL98, Mad95, Mei98, Min96b, Mur96, MG97b, PK94, PM93, PV99, SK98, SS96c, Tab96, TPRC96, UKSTST97, UMS99, Ven95, VM96b, VRD99, Wan95, WSK99, ZL93, vBvNW95, BK91, BK92a, BK92b, Lav90, LS92b, Löh90, LA90, PM92, SSB90, SSB91, SAB95, Ste92b, Ste92a, TA91a, Wat92b, Wat92a, Wes92a, Wes92b]. **Griseus** [DOOSM99]. **Grooved** [PS93a]. **Gross** [Eve96]. **ground** [FG90b, FG90a, Hoo90]. **Group** [FWWD94, ST93, For92a, For92b, ST92a, VG92b, VG92a]. **Growing** [KO98]. **Growth** [RT94, TH96b, AT92, SS91, SS92]. **Guidelines** [GH97]. **Guides** [HPG98]. **Guiding** [KPCJ97]. **Gummel** [Kul95]. **Gust** [SA95]. **Gyration** [KRGv93]. **Gyration-Dominated** [KRGv93]. **Gyre** [SMW99]. **Gyrokinetic** [BDML94, CW93, DL93].

Hairpin [Cho90a, Cho90b, Cho93b]. **Half** [LM97, YWS96]. **Half-Space** [YWS96]. **Hall** [Hum96a, KLBD93]. **Hamilton** [BS98a, LO96]. **Hamiltonian** [BS98b, CR91, Hol96a, LS94, MMS90b, MMS91, Row91]. **Hankel** [DK90, vNZ94]. **Hard** [MRC93]. **Harmonic** [Bor91b, Bor92a, Bor92b, HT95, Dvi90, Dvi91]. **harmonics** [Mik90, Mik91, YR98]. **Harten** [Shu97]. **Hartmann** [Leb99]. **Hartree** [Dav91, Dav92a, Dav92b, FG90b, FG90a, dFD+94]. **Heat** [BL99, BR99, DW98a, HIY95, LL99, LG90, LG91, LEI96, LL96, Liu96a, Nor98, PNC94, SCM98, STW97, Sie99, ZWS98, dG96, CW92a, CW92b, LE90, LE91]. **Heated** [RKJ97, PC92b, PC92a]. **Heating** [CC97, Ram97b]. **HECTOR**

[KC92, KC93]. **Hele** [BST95, HLOZ97, Whi90a, Whi90b, Whi94]. **helium** [FG90b, FG90a]. **Helix** [DMW99]. **Helmholtz** [AK95, BD97a, BL92, COS+98, EVP97, EO98, Eve96, Hu95, Lif96, LJT92a, LJT92b, Lu99, Mar90, SRA98, TW94]. **Helmholtz/Schrödinger** [EVP97]. **Helmhotz** [BL93]. **Helmhotz-Type** [BL93]. **Hermite** [SH98a, TC98]. **Hermitian** [LPBS96, WL96]. **Heterogeneous** [HSS97, MML98, CYD92]. **Heterojunctions** [LK94b]. **Heuristics** [Due93]. **Hexagon** [SCR97]. **Hexagon-Roll** [SCR97]. **Hierarchical** [PL98, Ser96]. **Hierarchy** [SVG93, SVG92]. **High** [AS96, ARTAAA97, AR96, AR97b, BS99b, BS99c, BR97a, BR97b, CS93a, COS+98, CGA93, CGA94, CO95, CA93, CWC99, DW95a, DDS97, DM97b, ES94, EVP97, Eka99, EB94, FEO95, FMO97, FM97, FCC97, GO96, GO98, GRB+95, Gup90, Gup91, Har97, HEOC97, JcW99, KIO91, LO91a, LO91b, LO96, LNR99, Lax97, LS96, LeV98, Leb99, LM95, Li97, LPC+93, LL93a, LO98, Mah98, MCPR95, Maz94, MP96, MS99b, Nor96, NC99, Pen95, PZC98, PAB+97, Rig94, SP98, SO95, SW92, Sha99, SWT98, Shu97, Sjö95a, Tay94, TRL99, VRD99, WR91, YG94, YKM90, Yee97, YSD99, Zha98, Zho96, Zho98, AB94, BY92, Bra92, CS92a, CKQ+93, DD92b, Mul92b, Mul92a, Tay91, TNW92a, TNW92b]. **High-Accuracy** [YG94]. **High-Energy** [Maz94]. **High-Frequency** [ARTAAA97, GRB+95]. **High-Order** [BR97a, BR97b, CS93a, COS+98, CGA93, CGA94, CO95, CA93, DW95a, DM97b, GO98, JcW99, LNR99, Li97, MP96, MS99b, NC99, Pen95, PZC98, PAB+97, SO95, Sha99, YG94, YSD99, Zho98, KIO91]. **High-Precision** [EB94]. **High-Resolution** [AS96, AR97b, CWC99, DDS97, Eka99, LeV98, SWT98, Yee97, YKM90, Mul92b, Mul92a]. **high-Reynolds** [BY92, Bra92]. **High-Speed** [Zho96]. **Higher** [CK96, FJ98, Hwa96, MLVM98, Ohw98, OGWW98, Rav97, YR93, Nor91a, Nor91b, RS90, ZC91, ZC92]. **Higher-Order** [FJ98, Hwa96, ZC91, ZC92]. **Highly** [EL96c, HK98, MG96, Nor98, SSF92a]. **Hilbert** [GRB+95]. **Hill** [Wit96b]. **Histogram** [KE93]. **History** [CK92, CK93a]. **History-Dependence** [CK93a, CK92]. **Hole** [GBBH96]. **Homoclinic** [AHS96]. **Homogeneous** [BT97a, PC99a, Sch90]. **Homogenization** [MDH98]. **Homotopy** [Eve96]. **Hopf** [AAP97, GGH90, She90, She91]. **Hopping** [Dru99]. **horizontal** [HWY90, HWY91]. **horror** [Mil91]. **Hot** [CKR93, Nun93]. **Hourglass** [CS98a]. **Hourglass-Type** [CS98a]. **hp** [LQK98, OBB98, RS99a, SK96]. **hp/Spectral** [RS99a]. **Huang** [Ano99-30]. **Hugoniot** [JM98]. **Human** [JBA96]. **Humans** [DDS97]. **Hybrid** [AS96, Bau97, BDC97, DW96a, DW96b, DDS97, FHKZ97, Had99, HP93, HK98, HLOZ97, KPP99, LT93, LJT92a, LJT92b, Mat94, MJPC99, Nea94, Nun93, OS97, Ram95, Ram97b, SH99, SK98, SFHD99, SCW94, Swi96, Vu98, ZOI97, Bue91, HP92, LS92a, PTM92, Ste92b, Ste92a]. **Hydrodynamic** [CCGJ95, GS95, KM93b, ST93, TO96, Zan92a, Zan92b, ST92a, SRSB93]. **Hydrodynamics** [BBF+99, Bal94b, BH98, CBSW98, Chr97, CM99b, DW96a, DW98b, DW95b, FQ96, GS97b, LPC+93, LSRS99, Man93b, MM96, Ods93, PL93, PX93,

SKR+93, SHA95b, WP97, Wha96, Zab97, Bal95, HCC91, MIM90]. **hydrodynamics-suggestions** [Bal95]. **Hydrogen** [KKOF97]. **Hydrology** [BL98]. **Hyett** [Cha90]. **Hyperasymptotic** [Boy95b, Boy97b]. **Hyperbolic** [AS94, BT97b, CGA94, CA93, CK93b, DW95a, DW96b, DS94, ER96, Ena93, FMO98, GTA99, GO95, Har97, Jin94, Jin95, JL96a, Lax97, LeV97, Noe94, PLD97, RL95, SO95, Sal94, TYS95, BWJ90, CGSS90, CGSS91, Col90, Dur91, DEO92, FP92, JW90, LO91a, LO91b, LY90a, MWJ91, NT90, PL92a, SW92, Shu92a, Tho90]. **Hyperelliptic** [Osb93]. **Hypergeometric** [For97]. **Hypersonic** [Edw96a, RS95, Zho98, LGC92, Mal90, MM91b, YKM90]. **Hysteresis** [CCGJ95].

IBVPs [GO95]. **Ice** [GS97b]. **Icosahedral** [SP99]. **ID** [Ano99-30]. **Ideal** [BD99, CG97a, DW94a, DW94b, JcW99, PV99, PS93b, PRL+99, Rom97, Xu99, ZC91, ZC92, ZDG95]. **Ideal-MHD** [PS93b]. **Identification** [LEI96, DM91a, DM92a, DM92b]. **II** [AS95b, Cho93b, EH93, Fey98b, GO98, GKG95, GKL+96, HL92a, KK95, KNW99, Kop96, MB97, Pri98, PO90, PO91, Rom97, Str91, Str92a, Str92b, SCA92b, Tho90, Tou98, WKK98]. **III** [Shu97, HEOC97, HL92b]. **Image** [TSW95]. **imaging** [Ben92a, Ben92b]. **Immersed** [AMP+98, Bot98, DFFG96, PP93, RPB99, SG98, SW99c, YMUS99, Bey91, Bey92]. **Impedance** [HP99, ÖLJ98, WJTP96, Yor90]. **Implants** [Maz94]. **implementable** [dFSS92]. **Implementation** [Abg94, CW93, DW96a, DB96, ESH93, EH93, Hig99, JS96, KKH+99, LM95, Nic98, PSL99, SSR96, SPCD96, Ser96, WONM96, Wan99, WDE98, WTH+96, van93, HTK90, KM92, VNC92a, VNC92b]. **Implementations** [GM96]. **Implemented** [ZV97]. **Implications** [SW99c, YSG91]. **Implicit** [ARB96, BLG97, Bec94, BR92a, BR92b, BNW96, CM95, CCG95, DW96a, DW96b, Edw96a, Eka99, Ena93, Epp94, GSB98, GH95, GH97, JSE97, KMB+92b, KMB+92a, KLB99, KCV99, LW96a, LMB94, LBL98, MH90a, MWW96, Mei98, Mon97a, MK97, OS98, PC99a, RC95, RY94, SPC93, SPCD96, Sco96, SCW94, STS+97, VM93, VM96b, WH98, WTH+96, WM94, WMG+91a, WMG+91b, YYCH98, Yee97, Zho96, AN90, Ano91n, Car91, Cas90, CW93, DD92b, Fri90, Ful93, Kle95, KNW99, LL91, NWK98, RD91, RD92a, RD92b, SPC92, SCC93a, SH94, SA90a, VRD99]. **Implicit-Explicit** [CCG95, DW96a, DW96b, SCW94]. **Implicit/Multigrid** [ARB96]. **implicitly** [IGABB90, IABBG91, KvdVPG95]. **Importance** [BS99d, DS96]. **Improved** [DM96, Ena93, GMM99, HSN90, Kno98, LCM96, Löt94, MRD92, Nea94, Ods93, PP93, Rea97, Ton96, VC99, For90, TNW92a, TNW92b]. **Improvement** [HN95, LM90a, LM91]. **Improvements** [Loe93]. **improving** [VBB90]. **Impulse** [Cor96, CV97, EL97b]. **Impulse-Based** [Cor96]. **Impulsive** [JYH93]. **impurities** [Zan92a, Zan92b]. **Impurity** [STS+97]. **Inadequacy** [BY90, BY91]. **Incidence** [WJTP96]. **Inclined** [MB99]. **Include** [Gou96a]. **Including** [Tan94, Wel95, CYD92]. **inclusion** [Dem92a, Dem92b]. **Incomplete** [CP98b, DK90]. **Incompressibility** [Wer95]. **Incompressible** [ABC+98, ARB96, Ano97-29, Ara97, BH96, BK94,

BTW96, BW98, BNW96, Bro95, CHMO96, Cho97, Cod99, CD95b, DF96, DK98, DIV98, ES94, EL96a, EL97a, EL97b, ETFS94, Fis97, FGM97, GTD98, GG97, GB97, GQ97, HCD98, HCZ99, HML99, Hen94, HW96, Hwa94, Jac95, JB93, Joh93, JR96, LL99, Lil97, LZS98, LF96, MBV93, MV99, Mar94b, MW94, Min96a, MB97, MLVM98, MFZ97, MB94, PR93a, PAB+97, Puc97, RL97, SK98, SNU98, SR98, SB96b, SSO94, SAB+99, Taf95, TZA96, Tau94, Ver97a, Ver97b, VO96, VRD99, WL93, WWW95, YYCH98, YMUS99, ZSK94, Zha94, AB94, BY92, Bra92, BJ90, CPJ90, CJ95a, DD92b, GS93, Gup90, Gup91, HLB94, KIO91, LM90a, LM91, LR90, LR91, MH90a, MGP91, Nat92b, PDC91, RKV90, RIW90, RKV91, RWC90, SC90, SBGM92, SA90a]. **incompressible** [SA90b, SA91, SA92a, SA92b, UT91, UT92b, UT92a]. **Incorporating** [KLBD93]. **Incorporation** [PM99]. **Incremental** [KTN+94, STG+96]. **incurred** [BE91, BE92a, BE92b]. **Independent** [SB98]. **Index** [Ano93m, Ano93n, Ano93p, Ano93q, Ano93r, Ano94m, Ano94n, Ano94o, Ano94q, Ano95p, Ano95q, Ano95s, Ano95t, Ano96p, Ano96q, Ano96r, Ano96s, Ano96t, Ano96u, Ano96v, Ano96w, Ano97s, Ano97t, Ano97u, Ano97v, Ano97w, Ano97x, Ano97y, Ano97z, Ano97-27, Ano97-28, Ano98r, Ano98s, Ano98t, Ano98u, Ano98v, Ano98w, Ano98x, Ano98y, Ano98z, Ano98-27, Ano99s, Ano99t, Ano99u, Ano99v, Ano99w, Ano99x, Ano99y, Ano99z, Ano99-27, Ano99-28, Ano90i, Ano90j, Ano90k, Ano90l, Ano90m, Ano90n, Ano91h, Ano91g, Ano91i, Ano91j, Ano91k, Ano91l, Ano92e, Ano92f, Ano92g, Ano92h, Ano92i, Ano92j, Ano93o, Ano94p, Ano95r]. **Indirect** [GGK95]. **Induced** [HK93a, KB96, Mar93, MG96, CWG90, CWG91, FA90, FA91, HK92, SE90, SCA92a, SCA92b]. **Induction** [DDS97, Sen99]. **inductive** [TA91b, TAD92a, TAD92b]. **Inertia** [BD93]. **Inertia-Gravity** [BD93]. **Inexact** [KM95, STW97]. **INF** [She95]. **Infinite** [Boy94, SK94, Wan99, CJ95a, HG94, Osb90, Osb91, PO90, PO91, SMR91]. **infinite-interval** [Osb90, Osb91, PO90, PO91]. **Infinitely** [Sch95a]. **Inflow** [LWS98]. **Influence** [Efr97, KHW98, MSF94, Wer95, Wer98, Dau92a, Dau92b, Tas92]. **Influence-Matrix** [Wer95]. **Inherent** [TYS95]. **Inherit** [Fur99]. **Inhomogeneous** [ABBM96, ADS96, GGK95, GKG95, JLL97, KM97a, Tan94, AP91a, Ben92a, Ben92b, DGD90]. **Initial** [DS94, ST97, DM92c, For90, SCA92a]. **initial-boundary** [For90]. **Initial-Value** [ST97]. **Initio** [AT99]. **Injection** [Zan99]. **Inner** [Wit96a, TfNW91, TNW92c, TNW92d]. **Insect** [LK98]. **insight** [BKP91]. **Instabilities** [CL98b, CB94, RKJ97, Vu96, Vu98, VBD99, vBKG97, DMZ91, GLM+90, HCJ92a, HCJ92b, LL92a, LL92b, OsKB+92]. **Instability** [Aoy95, ADS97, BL94, BDML94, Gel99, HCZ99, LJG96, LSB96, LL93a, Ram95, Ske98, VM96a, Wri98, AA90, AA91, MS90a, MS91a]. **Integer** [SCT+99]. **Integrable** [AHS96]. **Integral** [ARV99, AK95, BMZ95, DNN93, Eyr94, GEK+97, GKKR99, GKM96, Gue94, HBF93, Hof97, Hu95, KB96, LPMS94, LLK98, Mad95, Mot98, Nak95, NPC93, ZCH96, BL90a, BL90b, Che91, Dol92a, Dol92b, DK90, Dvo91,

DK92d, DK92c, HB90b, Kan92, KL92a, LP90, Rok90]. **Integrals** [CP98a, GM98, NM95, QF99, SH99, Sen99, Dvo91, DK92d, DK92a, DK92c, DK92b, LBC+93, LKB90, May92b, May92a]. **integrals-decomposition** [DK92d]. **Integrated** [PA95a, ZRR99]. **Integrating** [GS96b, LBB94]. **Integration** [AM96, Ara97, AKW93, CD93, DH96, FWWD94, GA95, Lil97, Mar94b, MC95, PZ98, Pop95, QF99, Sim93, ST97, Sim99, VM97, ARS91, CR91, HT94, HS90, MSF+95, Mil91, dFSS92, tVB92a, tVB92b]. **Integrations** [LV98, SNL90]. **Integrators** [FHL97, HA93, LS94, Maz97, Oku95, For92a, For92b]. **intensities** [GCMR90]. **Intensity** [MSF94]. **Interacting** [KKOF97]. **Interaction** [AS96, DFN+99, Fau90, GRB+95, Gre98, HHF95, MBI+97, SK98, SCR97, Zin94b, GL95]. **Interactions** [BFO99, Bru93, Cho93b, DQ95, DD95, DL94b, FCC97, ÖM95, Sch92c, BF91, Bru92, Cho90a, Cho90b, MMR90]. **interactive** [TSR92]. **Interface** [BMZ95, CNG99, CHMO96, Edw96b, FV97, FPQ93, GLN+99, HKW97, HLOZ97, LL99, NC99, TH96b, UMS99, Wan95, Wel95, AP90, AP91b, CP90, CNG17, KW92, MOS92, SCA92b, ZS92a, ZS92b, SCA92b]. **Interfaces** [AS95c, CF94, FAMO99, HF98, NPV96, PAB+97, RT94, Str99c, UI99, Kal91, Kal92]. **interfacial** [HLS94]. **intermediate** [AF90, AF91, IT90]. **Internal** [DM93, GG97, IS96, Leb99, Boy91b, Boy92a, KS92, MDA91, Poy92, QS90]. **Interpolating** [JBA96, LAE98]. **Interpolation** [Boy92c, Boy92b, GE92, Par90, RS91, SG92a, SG92b, SM92, Sto92, Fri98, GS96b, Hol96b, Löh95, MD95, OBL93, RHB94, SRF93, Swe96, Tad97]. **Interpretation** [Boy98, BWJ90, MWJ91]. **Intersecting** [Gra99]. **Interval** [Boy94, Boy95a, Chi91, Chi92a, Chi92b, Osb90, Osb91, PO90, PO91]. **Interval-Searching** [Boy95a]. **intervening** [Dra90]. **intramolecular** [DLMN91, DLMN92b, DLMN92a]. **Introduction** [Adl97, Bai97, Boa97, Dri97, Hir97, Lan97, Lax97, Lil97, Mar97, Puc97, Sem97, Tho97, Van99, Zab97, Zal97]. **Invariant** [Hob93, Hob92, MSF+95]. **Inverse** [CC97, Cra94, FA97, För96, GM95b, KL93, KS94, Liu96a, Osb93, PDC91, VSH96, YZ98, Abr91a, Abr91b, Cal90, Cal91, Dar90c, Dar91b, DM91a, DM92a, DM92b, SSF92a, SSF92b]. **Inverse-Variable** [KL93]. **Inversion** [Ben95, ZZ98]. **invert** [KvdVPG95]. **Investigation** [Dar95, GM95b, JT99, LLLY99, LLR94, PM98, IT90]. **Investigations** [Kre98]. **Inviscid** [AC93, Kou97, Mei98, PBBS95, Shu90, SLV90, TH96a, YG95, vBKG97, vdVvdV98, LVS90, PBBS91, PTM92, YKM90]. **Involving** [Sen99, CHW90, Dra90]. **Ion** [OS97, RHT96, SKO94, Vu96, Vu98, KDL+92, LL92a, LL92b]. **Ion-Driven** [Vu96, Vu98]. **Ionic** [LW96b]. **ionisation** [MM91a]. **Ionized** [JSD95]. **Ions** [BK99, YR93]. **Irregular** [Boy92c, JC98, PBC+95, VC99, Boy92b]. **irrotational** [PDC91]. **Ising** [PH94]. **islands** [RG90]. **Isobaric** [FMM99]. **Isolated** [BST95]. **Isometric** [CC98]. **Isomorphic** [Mot98]. **Isopycnic** [Hig99]. **Isotropic** [BC98, Hel96, GKM96, HSS97]. **Issue** [Ano99r, Ano90a, Ano90b]. **Issues**

[Ano93a, Ano93b, Ano93c, Ano93d, Ano93e, Ano93g, Ano93h, Ano93i, Ano93j, Ano93k, Ano93l, Ano94a, Ano94b, Ano94c, Ano94d, Ano94e, Ano94f, Ano94g, Ano94h, Ano94i, Ano94k, Ano94l, Ano95a, Ano95b, Ano95c, Ano95d, Ano95e, Ano95f, Ano95g, Ano95h, Ano95i, Ano95j, Ano95k, Ano95m, Ano95n, Ano96b, Ano96c, Ano96d, Ano96e, Ano96f, Ano96g, Ano96h, Ano96i, Ano96j, Ano96k, Ano96l, Ano96m, Ano96n, Ano97a, Ano97b, Ano97c, Ano97d, Ano97e, Ano97f, Ano97g, Ano97h, Ano97i, Ano97j, Ano97k, Ano97l, Ano97m, Ano97n, Ano97o, Ano97p, Ano97q, Ano97r, Dar95, EL96b, Ano90c, Ano90d, Ano90e, Ano90f, Ano91a, Ano91d, Ano91b, Ano91e, Ano91f, Ano91c, Ano92a, Ano92c, Ano92b, Ano93f, Ano94j, Ano95l]. **ITER** [Bot96]. **Iteration** [Ano94t, Fat99, HT97, RC95, MRS94]. **Iterations** [Fen99, TfNW91, TNW92c, TNW92d]. **Iterative** [Azm99, BBF+99, BR94, Bör97, DW96a, DW96b, Dar92, EO98, Eye96, För96, KLB99, MH90b, MH91, SS96a, She95, STG+96, WLC96, ZZ98, ZY94, GE92, HLB94, HHG91, HHG92, IM95, Nat92a, OK94, RLM90, VBB90]. **Iteratively** [nJ93].

J [CNG17, MKM04]. **Jacobi** [BS98a, LO96, Sen99, vD97b]. **Jacobians** [BLG97]. **jcph.1998.6151** [Ano99-30]. **Jet** [Pet96, KBS90, SE90]. **Jets** [HC97]. **Johnson** [MJP93]. **Jones** [KKD90]. **Joseph** [Ske98]. **Josephson** [DS97a]. **Journal** [GDP96]. **Junction** [DS97a]. **Junctions** [MBO94].

Karhunen [BS91a]. **KdV** [HK92, HK93a]. **Kepler** [Boy91b, Boy92a, Poy92]. **Kernel** [LF96, SRVK96, BKP91]. **Kernels** [FQ96, SE98]. **KFVS** [Rav97]. **Kind** [Jab94]. **Kinetic** [CB97, CLD+96, GBS+93, Gou96b, HK94, Jun99, KLB99, KM97a, LB94, LDB98, MP97, MK97, PC99b, PX93, RC95, RW96a, Ros90, SXG99, SCW94, Tan93, TS98, TRL99, UL98, VBD99, XP94, XMJ95, Xu99, YCTC97, ZLOT98, Ano91n, GM92, LBC+93, RNSV91, Rus90, TMR92a, TMR92b]. **Kinetics** [Ano94s, SPCD96, MM91a, VG92b, VG92a]. **Kirchhoff** [GC95]. **Kirchhoff-Type** [GC95]. **Kirkwood** [LPP99]. **KKR** [BFGG94]. **Klein** [CG93, DK96]. **Kleiser** [Wer98, KHW98, Wer95]. **Knowledge** [KS94]. **Kohn** [Adh92a, Adh92b, dAT95]. **Korteweg** [CK90a, Boy96a, HKR99, KL97, Osb90, Osb91, PO90, PO91, Sch92b, Sch92a]. **Koster** [KU94]. **Krylov** [ETFS94, Mei98, RKO99, Tid97, VSH96]. **Kuramoto** [AAP97]. **Kutta** [Gil97, AL97, AA90, AA91, CS98b, HHM96, Jin95, MR99, SH98b, SH97, Vad97, Wei92, Zho96].

laboratory [HTK90]. **laboratory-frame** [HTK90]. **Laden** [DE99]. **Lagged** [MCPR95]. **Lagged-Fibonacci** [MCPR95]. **Lagrange** [Gir97, Gir98, Pri94]. **Lagrangian** [Mar97, Anc94, BC99, BD99, Bil90, CS98a, CM99a, COBA95, DE99, Duk91, DM92d, DM92e, DL94b, Hal90a, Hal90b, HS93a, HAC97, HL92a, HL92b, LLD92, LLD93, LM95, LH95, LPC+93, Lio95, LMB94, LH90, LL93b, LL94, MS99a, MG97a, MDHW92a, MDHW92b, Oli94, RH91, RHB94,

SW99a, SBO93, Smi99, SRBG99, Str99b, Ush96, WEQ+99].
Lagrangian-mesh [MDHW92a, MDHW92b]. **Lake** [UWH99, WH98].
Laminar [APV98, XS93, hYsY96]. **Lanczos**
[Boy95a, BSPL96, CG97b, WL96, WCSW99, YS98b]. **Lanczos-Based**
[CG97b]. **Landau** [BCDL97, BC98]. **Langevin** [MLJ97, SS99b]. **Laplace**
[BB96, DM91a, DM92a, DM92b, GGM93, JMR94, OGS90, OGS91, Spe95,
YS98a]. **Laplacian** [Hui90, Hui91, Taf95]. **Large**
[BCRR98, CL93, Coo99, DFN+99, DA94, GMS+99, GM95a, Gho96,
GKDT96, Hal97, HB96, Jor99, KM97b, KWT+97, LML99, Lu99, SP96, TS96,
Waj93, WS96, WDE98, Xia99, Mor92, MRD92, PB91]. **Large-Domain**
[TS96]. **Large-Eddy** [DFN+99, GMS+99, Gho96, Jor99]. **Large-Scale**
[GKDT96, Hal97, HB96, KWT+97, Waj93]. **Laser**
[GBBH96, GMPGV96, KKOF97, MSF94]. **Lasers** [LW94]. **LASY** [Tót97].
Latitude [STS98]. **Latitude-Longitude** [STS98]. **Lattice** [Abe97, Anc94,
AFH94, FH98a, HLD96, HD97, HCD98, HCZ99, HZC+95, HSZ+97, KKH+99,
Kla99, KLM95, MS98, MLS99, Pap93, PVVS98, PM99, SBC99, SC96a,
SCT+99, vWBS+97, CMK90, GY91, Pap92, UWSB90, UWSB91].
Lattice-BGK [FH98a, KKH+99]. **Lattice-Boltzmann** [Anc94].
Lattice-Boltzmann-type [Kla99]. **lattice-gas** [Pap92]. **Laugh** [Bar90]. **law**
[VC90, VC91]. **Laws**
[Bih96, BT97b, CG97a, CWC99, CL98a, CS98b, CK93b, DW95a, DW96b,
FB94, FAH97, Har97, Jin94, Jin95, JL96a, Lav93, Lax97, LWC93, LR94, Noe94,
PLD97, PQ94, Sal94, BWJ90, CGSS90, CGSS91, Col90, Dur91, DEO92,
Har92a, Har92b, LO91a, LO91b, LY90a, MWJ91, NT90, RT92, SW92, Shu92a].
Lax [Oli94, SCT+99]. **Layer** [Ber96, Ber95, BJ95, CSN93, CRRR97, Die95,
Hu96, LWS98, Mal96a, MM95a, Mas96, PSL99, PZC98, Pet98, QG98, RM93,
Str91, TAC98, Zho98, Ber94, Boy91b, Boy92a, Dom90, GMP92a, GMP92b,
KG90b, KG91, Mal90, MM91b, Poy92, Str92b, Str92a]. **Layered**
[HKW97, SV97, VSM99]. **Layers**
[AGH99, BCM95a, BGM95, Col97, DW93, HMOS95, Hes98, Iva93, LL95,
RK95, SR98, TS96, Wan97, ZOI97, LGC92, Ros90, TSR92]. **leap** [AA90].
Leapfrog [Aoy95, CAA93, Mat94, Maz97, AA91]. **Least**
[nJ93, OG97, PA95a, VSH96]. **Least-Squares** [nJ93, OG97, PA95a]. **LED**
[KJ98]. **Leer** [VK98, PQ94, Swa99]. **Legendre** [Boy98, Kab96, NC93, She95].
Lehmer [Loe93]. **Lemarie** [ZLP97]. **length** [DD92a]. **Lennard** [KKD90].
Lennard-Jones [KKD90]. **Letter** [KHW98, Wer98]. **Level**
[AS95c, AS95a, AS95b, AS97, AS99a, ABS96, BS98a, CHMO96, CMOS97,
Cho93a, HOS96, HRL99, LZG99, MBO94, PMO+99, PL98, Str99a, Str99b,
SSO94, SAB+99, ZCMO96, ZMOW98, ZS92a, ZS92b, DHSS94]. **Level-Set**
[HRL99]. **Levels** [Wit96b, YR93]. **Lewis** [NSR92a, NSR92b]. **lie**
[For92a, For92b]. **Light** [LB93, MP93, lX98, YL98, Kos92]. **Light-Cone**
[LB93]. **Light-Front** [MP93]. **Light-Scattering** [lX98]. **Lightning** [Hag98].
like [AD93, Cra94, LPMS94, LBC+93, Leh99, Lel92]. **Likelihood** [OP97].
Limit [DW98b, FV97, HCD98, Kla99, UMS99, Bor91a, BLA92a, BLA92b].

Limitations [Wha96]. **Limited** [Hum96b, MA98, Thu96]. **Limiter** [AR97b, JP95]. **Limiters** [Bis95, Hub99, Ven95]. **Limiting** [Swa99, BR92a, BR92b]. **Line** [Had99, OGWW98, VRD99, AP90, AP91b, HL92a]. **Line-Method** [VRD99]. **line-segment** [AP90, AP91b]. **Linear** [BBF+99, Bel97, BT97a, CMW95, DK98, ER96, FD99, GS97a, GS94, Gra95, JVS97, LLLY99, Luk99, MWS96, MBP94, PVVS98, PBD94b, SO95, TS98, VM96a, BR99, BB91b, BBF92a, BBF92b, Bor91a, BLA92a, BLA92b, BDR91, BS91a, BB90b, BB91c, CHL+90, FK90, GM92, KS92, MW93, SCMU92a, SCMU92b, VDJ93]. **Linear-Discontinuous** [MWS96]. **Linear-Scaling** [LLLY99]. **Linearized** [Alv91, Alv92, DL93, Hes98, Hu96, TAC98, TK96, Tou97, Tou98]. **Linearly** [KKOF97]. **Lines** [ZLP97, FVZ90, Hor90, Hor91]. **Link** [RMO99]. **Linked** [Bru93, Bru92]. **Linked-Lists** [Bru93, Bru92]. **Liouville** [Can96, JLB90, Ji94, Kob90, Kob91, Oku95, SFB91]. **Lippman** [GM95b]. **Lippmann** [Adh92a, Adh92b]. **Lipschitz** [DK90]. **Liquid** [AK94b, BCRR98, MWM94, UMS99, MD90, SCA92a, SCA92b]. **Liquid-Liquid** [MWM94]. **list** [FK90]. **Lists** [Bru93, Bru92]. **Lithography** [AS95a, AS95b, AS97]. **LMTO** [BS90]. **Load** [APS97, FLD93, BBK90, BBK91]. **load-balancing** [BBK91]. **Loaded** [GDP96, HK98, SK94]. **Loading** [CSN93]. **Local** [AAK+93, BS99e, DS96, DS99, ID96, Lee98a, Lee98b, MRS98, PMO+99, Pet98, SSW98, Ush96, Wel95, vdVvdV98, HW92a, HW92b, LJT92a, LJT92b, MF92]. **Localization** [SV97, Wes92a, Wes92b]. **Localized** [CM95, WEQ+99, Hor90, Hor91, SVS90, SVS91]. **Locally** [CDW99b, Min96b, Sak96, SZ97, YMB+91]. **Locate** [AB97]. **Locating** [Gre91, Gre92a, Gre92b, Vra95]. **Loève** [BS91a]. **Log** [MJP93, vNZ94]. **Long** [Ara97, AF90, AF91, CM95, JVS97, LNR99, Lil97, NC95, RN94, RS99b, Smo98, GG90, HT94]. **Long-Range** [NC95]. **Long-Ranged** [RN94]. **Long-Term** [Ara97, Lil97]. **Long-Time** [CM95, AF90, AF91, HT94]. **Long-Wave** [LNR99, GG90]. **Longitude** [STS98]. **Longshore** [RB95]. **Lossy** [ZLP97]. **Low** [BDC97, CP99, CJ95b, DOOSM99, DDS97, GH95, Goe95, HHM96, Jun99, JSD95, MFZ97, MP97, SMT99, SH98b, SDP97, SXG99, TEKC92, Tan93, TO98, VRD99, YSD99, EMRS91, IT90, Kle95, LL92a, LL92b]. **Low-Dispersion** [HHM96]. **Low-Dissipation** [HHM96]. **Low-Dissipative** [YSD99]. **Low-Frequency** [BDC97, DDS97, Tan93, LL92a, LL92b]. **Low-Mach-Number** [VRD99]. **Low-order** [TEKC92]. **Low-Speed** [SXG99]. **Lower** [BNW96]. **Lower-Upper** [BNW96]. **Lower-Upper/Approximate-Factorization** [BNW96]. **lowest** [MRD92]. **LU** [Shu92b, Shu92c, YTS92]. **Lubrication** [RK93, Ver91]. **Lyapunov** [CZS98, SV97].

MAC [BK91, BK92a, BK92b]. **Mach** [Jun99, Kle95, SBGK99, SMT99, SDP97, TO98, VRD99]. **macro**

[TZWH92b, TZWH92a]. **macromolecule** [JB91, JBvK+91]. **macroscopic** [LDB96]. **Magnetic** [BS99b, BS99c, CSN93, oJ95, oJ97, JB95, PFS98, SW99b, TSW95, VB95, ZV97, LH92, RP90, RG90, RP91]. **Magnetised** [Sco96]. **Magnetization** [Pri98]. **magnetized** [MS91b, MS92b, MS92a, OsKB+92]. **Magnetohydrodynamic** [BS99a, BS99b, BS99c, FGM97, KB99, Leb99, SWD95, TO96, HSN90, HB90a, HB91]. **Magnetohydrodynamical** [DW98c]. **Magnetohydrodynamics** [AK94b, Asl99, BKP96, BD99, DW94a, DW94b, JcW99, JSE97, LMS98, MR98, PRL+99, SLMS98, SL98, Xu99, Bra90, Bra91, DeV91, TLES93, YM91, YM92b, YM92a, ZC91, ZC92]. **magnetohydrostatics** [Cal90, Cal91]. **magnetorheological** [LRJ+99]. **Magnetosphere** [KKK95]. **Magnets** [Bot96]. **Magnus** [YHW90, YHW91]. **Maintaining** [BS99a]. **Manifolds** [AHS96, Hob93, KO98, Dvi90, Dvi91, Hob92]. **Mantle** [BY94]. **Many** [BF97, EA97, EM94, EM95, Lan97, MRC93, Zan99]. **Many-Body** [BF97, Lan97, MRC93]. **Many-Particle** [EA97]. **Map** [BST95, TSW95, GGM93]. **Mapped** [GS95, PBD94a]. **Mapping** [Boy94, DE93, DE99, KM96, KW93, LL95, LO93, SSR96, DP91, DP92b, DP92c, Kos92, LM92, OB95]. **Mappings** [BT92a, BT92b, Vra95, Boy91b, Boy92a, Dar93, Poy92]. **Maps** [GS96a, HPG98, Hob93, KO98, Dvi90, Dvi91, Hob92]. **Marangoni** [CT98]. **Marching** [LZ96, TCS97, YB98, Wei92]. **Marker** [TM94]. **Masking** [SS99b]. **Mass** [AMP+98, BR99, BSB92, Jai97, LK94a, STW97, TWV97, Wel95, CYD92, KDL+92, Lar91]. **Mass-Damped** [TWV97]. **Masses** [CS98a]. **Massive** [MP93]. **Massively** [LPR96, SDG94, Vu98, SBGM92]. **Master** [SVG93, SVG92]. **Matched** [AGH99, Ber96, Col97, Hes98, Hu96, JYH93, MO95, PSL99, Pet98, QG98, TAC98, Ber94]. **Matched-Phase** [MO95]. **Matching** [ART95a, ART95b, PBD94b]. **Material** [Bis95, LPC+93]. **Material-Based** [Bis95]. **Materials** [AK99, HW97, HSS97, DM91a, DM92a, DM92b, TZWH92b, TZWH92a]. **Mathematical** [AG97, SG94, Lav90]. **Matrices** [CG97a, LK94b, LR92, Mor92, MRD92, OS90]. **Matrix** [ASTAS91, BCRR98, BCM95b, BCM99a, BD94b, BL93, DHSS94, GS95, HL98, Iva93, Jai97, KHW98, LBL98, RH98, RMSB96, Wer95, Wer98, AAP+95, BL92, BL90a, BL90b, BSB92, Dau92a, Dau92b, IM95, KH90, KH92, Nat92a, Wei92]. **Matrix-free** [LBL98]. **Matter** [Bör97, CK93a, CK92]. **Maximum** [Osc94, OP97, Rei92a, Rei92b]. **Maxwell** [ADH+93, ADS96, Bis95, DF98, GK98, GMPGV96, Her93, Hil97, Hol96a, HS99c, LM90b, Liu96b, Mad95, PZC98, Sha95a, SF96, Sha99]. **May** [AAK+93]. **Mean** [Fri98, GBS99, Ruu98b, BLMR92, Blu92]. **mean-field** [BLMR92, Blu92]. **Means** [Abe97, CS98a, JBA96, Reb93, RH99, Dau92a, Dau92b, GHS93b, HB90b]. **measure** [Gre90]. **Measures** [Kal97]. **Mechanical** [Bar94, KKOF97, LLLY99, SMM+90]. **Mechanics** [HMD93, Ske98, Wri98, Val91a, Val91b, ZDG95]. **Mechanisms** [Gou96b].

Media
[ABBM96, ADS96, BBGL93, CE97, Dur93, GP98a, GGK95, GKG95, HKW97, HT97, HW97, JLL97, LLK98, Pap93, SV97, UL98, ZS97, Ben92a, Ben92b, Bor91b, Bor92a, Bor92b, Dra90, Hig92a, Hig92b, Nic93, Pap92, RS90]. **Median** [oJ95]. **Medium** [FK97, Iva93, KI99]. **Melt** [BDS+99]. **Melting** [KE93]. **Melts** [KWT+97]. **Membrane** [CV97]. **Membranes** [DMW99, SK94]. **memoriam** [Ano91m]. **memory** [Nat90, Nat91, Par90]. **memory-saving** [Par90]. **Merging** [LNS+94]. **Meridians** [Boy96b, Boy97a]. **Mesh** [Ano99-30, AE95, BS99b, BS99c, BCR99, CHR99, CH99, CP95, Coo99, DP93, Duk95, FGM97, GBCA99, HLD96, HT97, HRR94, Hum96b, JFH+98, Knu95, LP97, LWC93, NPV96, PGD99, QS98, Reb93, SM98a, Tho97, Vel93, Win97, AS90, AS91, Ben92d, Ben92c, DP92a, DHS91, FM92, Fra92, MK90, Mav90, MDHW92a, MDHW92b, SW92, Wes94]. **Meshes** [Abg94, HMOS95, Her93, Hew97, HS99b, KJ98, LQK98, Mav98, MRS98, OS98, OG97, PG97, UI99, VM93, CH90a]. **Metal** [AK94b, CKR93]. **Metals** [GBBH96]. **metastable** [SCA92a, SCA92b]. **meteorology** [KM92]. **Method** [AG97, Abd95, Abe97, AS95c, AN98, ALTP98, AM96, ABC94, ABC+98, AQ98, ABLD94, And94, AR96, ALW94, AAL97, Ano99-30, AS99b, AMP+98, ADH+93, ADS96, AQ99, AK99, BH95, BST95, BPS95, BY94, BR99, Bar94, BR97a, Bel97, BD97a, BD94a, Ber95, BMZ95, BW98, BL93, BLL99, BBMB97, Bör97, BB97a, Bot98, Boy95a, Boy95b, BL94, BS98b, BSPL96, BL98, BW95, Bru93, Bry97, BPM98, CLO93, CZ98, CLNT98, Can96, CG93, CHR99, CBL95, Cha95, CWF96, CWC99, CMOS97, CZS98, CM99a, Cho97, Chr97, CC98, CK93a, CKR93, CS97b, CS98b, CDW99a, CP99, CJM97, CLD+96, CEG+97, CDT98, CV97, CD95b, Cra94, CR99, DW94b, DBS94, DVD93, DDD98, DDS97, DZ96, DB98, DK96, DB96, DFFG96, DK98, Dob99, DS97b, DIV98, DF98, DA94, DL94a, DS94]. **Method** [EOS98, EP96, EM94, EHM97, Eyr94, FV97, FMO98, FAX99, FAMO99, FA97, Fen99, FKM99, Fey98a, Fis97, FPQ93, Fuj95, GACN93, Gar98, GTD98, GA96, GSB98, GK94, GH95, GH97, Gir98, GGK95, GKG95, GEK+97, GKKR99, GHKH93, HIY95, Han93a, HS93a, HLD96, HD97, HCD98, HML99, Hen94, HJ98, Hew97, HK98, Hir97, HAC97, Hob93, HLR99, Hol96a, HGFH95, HZC+95, HLOZ97, HW97, Hu95, HHR99, HS94, HK93b, IH95, IR98, oJ95, oJ97, Ji96, nJ93, JC98, JR99, JT96, JSD95, Kab96, KKH+99, KD97, KOS+96, KI99, KHW98, KPP99, KKOF97, KK96, Kop96, Kop98, KTE93, KM97a, KMS99, Ku95, KE93, KCV99, KP98, LPMS94, LPBS96, LW95, LLD93, LS93a, LEI96, LLR94, LL96, LWC93, Lio95, LMB94, LZ96, Loe93, LL94, LKK99, LS98, LDB98, LO93, Luk99, LBL98]. **Method** [MH94, Mal96a, Mal96b, Man93a, MV99, MKM99, Mar93, Mar97, MG96, MG97a, MM96, MA95, MM95b, MM97a, Mat94, MS98, MLS99, MPPZ96, MW94, MP96, Min96b, MS99b, MLBW97, MBP94, MA96, MJPC99, NP94, NC95, NC93, OS98, OBB98, Oli94, OP97, PC99a, PBC+95, Pen95, PMO+99, Per93, Per95, PQ94, PH95a, PCLC97, PVQ97, PL98, Pop95, Poz99, Pri93, Pri94, PAB+97, Puc97, QTL98, QS98, RK93, RN94, Rea97, RF96, RL97, RKO99,

Rie99a, RH99, RW96a, RW96b, RSW98, RPB99, RIP96, RY94, Rus93, SB96a, Sak96, SZ97, Sal94, SWS96, SA99, Sem97, SNU98, STW97, Sha95a, She95, SK93, ST97, SCR97, SRBG99, SG98, SW99c, SL98, Sun96, SRA98, STS$^+$97, SF99, Tab96, TKT97, TV94, TS99, Tau94, TTI97, TM94, TPRC96, TK99]. **Method** [TC98, UI99, VPS95, VP96, Vel93, VM96b, VRD99, VSG95, Vra95, VSH96, VSM99, WNY93, Wan97, WK99a, WDE98, Wer98, Win95, WEMH99, WS93, WCSW99, XS93, Xu99, YB98, YZ98, YMUS99, YMAC99, YPH94, Zab97, ZSK94, ZW97, ZZ98, ZY94, ZP95, ZWS98, Zhu95, ZCH96, ZOI97, ZV97, ZRR99, vD97b, vL97a, vL97b, vdVvdV98, AAP$^+$95, AN90, AS90, AS91, AB94, BP90, BB90a, BB91a, BKM90, BM92, BB91b, BBF92a, BBF92b, Bey91, Bey92, Bil90, BL92, Bor91b, Bor92a, Bor92b, Bra90, Bra91, BKZ92, BS90, BR92c, BR92d, Bru92, Bue91, BSB92, But90a, But91, CK90a, Cal90, Cal91, Car91, CRS90, Chi91, Chi92a, Chi92b, CPP93, CK92, Cot90, Dar90b, Dar90a, Dar91a, Dav91, Dav92a, Dav92b, DR90, Dom90, Dra90, DZ91, Flå92b, Flå92a, Fog92b]. **method** [Fog92a, For90, FM92, Fra92, Ful93, FVZ90, GCMR90, GL95, GSY92, Got92, Gre91, Gre92a, Gre92b, GHS93b, GS93, yGmC92, GC92, GMCH92, HM95, HLB94, Har92a, Har92b, Hei92, Hob92, Hoo90, HM90, HL92a, HL92b, IM95, Jac90, JLB90, JC92, KM92, Kar91, Kar92, KR95, KG90a, KEHK90, KKD90, KF91, KEHK91, KvdVPG95, KG92a, KG92b, LLD92, LS92a, LS92b, LL91, LKB90, Lif92, LH90, LP90, Mak99, MH92, MKM04, Mar90, MM91b, MMB90, Mel91, Mit92, Mor90, Mor92, Nat92b, NP92, ND90, OB95, OGS90, OGS91, PH94, PTM92, Pel91, PA95b, Ram92a, Ram92b, RF90, RF91, Raw90, Raw91, Rei92a, Rei92b, RT92, RNSV91, RKV90, RIW90, RKV91, RLM90, Rus90, SH90, SD93b, SSB90, SSB91, Shu92a, SCC93a, SA92a, SA92b]. **method** [Sul91, SB91, TMR92a, TMR92b, Tay91, TNW92a, TNW92b, TKKB92, Tes92, UWSB90, UWSB91, UT91, UT92b, UT92a, VY91, VY92, VBB90, Yan90, YR98, YHW90, YHW91, YMB$^+$91, ZC91, ZC92, ZB92a, ZB92b, dFSS92]. **Methodological** [Sch99]. **Methodology** [CGA94, Jor99]. **Methods** [AS99a, ANL94, AK95, Anc94, ABS96, Azm99, BM94, BBF$^+$99, BYMZY95, BLG97, BCM95a, BS93, BS96, Boy98, BBGL93, BGP98, CLO93, CS93a, CN95, Can95, CG96, CHMO96, CS93b, CK93b, Cot96, DE93, DH95, Don94, EL97a, ETFS94, Eye96, FMO97, FD93, FJ98, GS95, GS96a, Gir97, Gue94, GS96b, GLN$^+$99, GO95, HMD93, Han93b, HT95, HKNT98, Hei93, HK95, Her93, HKR99, Hol96a, HRR94, HW96, JDC94, Jin95, Kob99, KW93, KLP94, LO96, LL99, LBB94, LS96, LeV98, LD93, LP97, LL93a, LZS98, LQK98, Lu99, LRW95, Mad95, kM93a, Mat97, MR99, Mei98, Min96a, MH93, NM95, Nic98, Nor96, NC99, OBL93, Ohw98, ÖM95, PB98, PK95, PH95b, PG97, RCA93, SO95, Sam97, SPCD96, SS99b, Ser96, SvD96, SM98a, SRF93, STG$^+$96, Sil93, Sim99]. **Methods** [Sjö95a, SDP97, SC96a, Str95, Str96, Str97, Str99b, Str99c, SW96, Tad97, TCS97, TZA96, Tem96, TL98, Ton96, Vad97, Wal94, WF99, WEQ$^+$99, Whi94, WL93, Wir97, WLC96, XMJ95, XP99, YP98, Yee97, YSD99, Yin96, Zho96, ZHL96, vD97b, Bar91b, BM91a, BM91b, CS92a, CP90, Cas90, Che91, Col90, CJ95a, EMRS91, EHW90, EHW91, FVZ90, GY91,

GKM96, GMP92a, GMP92b, ISW92a, ISW92b, JE90, KIO91, LO91a, LO91b, LM90a, LM91, LY90a, LM90c, LG94, Mal90, kM90, kM91, Mao92b, Mao92a, Mil91, MF92, MNR90, MRS94, Nor91a, Nor91b, PC92b, PC92a, RCA92, RS91, Rob90b, RS94b, SSF92a, SSF92b, SK90, Sil92, SMR91, SM92, Sto92, TfNW91, TNW92c, TNW92d, WMG+91a, WMG+91b, ZS92a, ZS92b]. **Metric** [Sho93]. **MHD** [AK97, Asl99, BDC97, Bra90, Bra91, CG97a, CHL+90, HCJ92a, HCJ92b, KLBD93, KGH+98, KvdVPG95, LL91, NMW+96, PV99, PBD94b, PS93b, SS96b, TT90, TT91, Tan94, TA91b, TAD92a, TAD92b, Tay94, WK99a, van93]. **micro** [TZWH92b, TZWH92a]. **microinstability** [MS91b, MS92b, MS92a]. **Microstructural** [JLL97]. **Microstructures** [PGD99]. **Microwave** [CC97, Luk99, PL98]. **migration** [LZG99]. **Mimetic** [HS99c]. **Minima** [Abd94]. **Minimal** [Cho93a, PH94]. **Minimization** [AT99]. **Minimizers** [NMB94]. **Minimizing** [LR94]. **minimum** [Sal91, dG92a, dG92b]. **MINRES** [YS98b]. **mirror** [BLK90, PC92b, PC92a]. **MIS** [XPK90]. **Mises** [HN95]. **Mistaken** [LR98]. **Mixed** [CP98a, CSW95, DK98, Dru99, Dur93, EP99, Gar98, MWW96, YMAC99, LM90b, MLB92, Shu92a]. **Mixing** [CDR99, GE92, GMP92a, GMP92b, KG92a, KG92b, Mik90, Mik91]. **Mixture** [Shy99]. **Mixtures** [JMT97]. **MKdV** [GGG94]. **möbius** [HS90]. **modal** [AH99]. **Mode** [AK94a, Bel97, CAA93, CGKC93, DOOSM99, HK98, ID96, KGH+98, MPPZ96, AA90, AA91, CGKC92]. **Model** [AS95a, AS95b, AS97, ARV99, Asl99, Bot96, CMMH94, CB94, COBA95, DHS94, Die95, FV97, FK97, GBBH96, GT97, GZ95, Hag98, HCD98, HM99, JVS97, JLM+96, KLBD93, Kla99, LBB94, LTE93, LIH97, LZ96, Ma93a, MP93, MR98, PM99, Pop95, Pri96, RLT93, RB95, RW96a, SS99c, SMW99, Shu95, SR98, SH94, SG94, SP96, Tem96, TK96, TM93, Ver97a, Ver97b, VS95, VBD99, WH98, WJTP96, WP97, Xia99, YH95, YS98a, dM97a, AP90, AP91b, Bey91, Bey92, BB90b, BB91c, CWG90, CWG91, CYD92, CGSS90, CGSS91, FS91, FS92, HWY90, HWY91, JC92, KDL+92, KST90, KST91, LG94, LL92a, LL92b, MGP91, MLB92, Nad95, PH94, SAB95, VNC92a, VNC92b, Lya99]. **Modeling** [AMP+98, ABS96, BCRR98, BDS+99, Bot98, DFFG96, Dur93, FH97, GHS93a, GNH96, Hal97, HDL99, HB96, HdS97, Hig99, Hum96b, Jac99, KKK95, KB99, MA98, MH94, MFZ97, PL98, RT94, SS99a, SBC99, Sun96, YL98, Zan97, ZLP97, Ben92a, Ben92b, BBC+90, BKZ92, PC92a, TZWH92a, Zan92a, Zan92b]. **Modelled** [GGZ93]. **Modelling** [AHH94, BL93, CM99b, DDS97, LNS+94, LW94, PC99b, TP97, ZS97, BBC+91, BL92, LS92a, PC92b, TZWH92b]. **Models** [CS97a, Cot96, DB98, FH98a, HMD93, HB95, HSZ+97, Hum96a, Kar97, LPMS94, LW97, Mur96, PVVS98, PMR97, ST95, Sil93, TG96, UWH99, Waj93, WF99, GY91, GG92b, HCP93, KL92b, Sil92, SNL90]. **Moderately** [DECB98]. **Modes** [AHH94, BM94, Gel99, PR93a, PBD94b, SVS90, SVS91]. **Modification** [SB98, Yan90]. **Modified** [Bar90, DÜ92a, Hag94, HBF93, KTE93, LCM96, PSL99, AN90, Cha90, DÜ92b, Gra90]. **modulated** [Bar91a]. **Modulations** [FCC97]. **Mohr** [GS97b]. **Moisture** [Tol94]. **Molecular**

[Ano99r, BGGT90, BLL99, CP98a, CSZ97, DOOSM99, DM93, DL94b, DMW99, ESH93, EH93, GKDT96, GBS99, Jai97, KSB+99, LPP99, MRC93, Maz97, Maz94, Pli95, Rei99, SMSS98, SSB+99, Sch99, SHF97, SW99b, WDE98, BBK90, BBK91, CYD92, JVR93, MH92]. **molecule** [AAP+95]. **Molecules** [WKHS97, Dav91, Dav92a, Dav92b]. **Moment** [BHJU99, ZV97]. **Momentum** [Ben92d, Ben92c, KLM95, dFD+94, WS91, WS92a, WS92b, Zan92a, Zan92b]. **Monolayer** [KE93]. **Monotone** [Gro91, Leb99, TN98, Gro92, SG92a, SG92b]. **Monotonic** [COBA95, SBO93, GG92b, SM92, Sto92]. **Monotonicity** [SH97]. **Monotonicity-Preserving** [SH97]. **Monte** [AT99, BPS95, BRL91, Boy90, Boy91a, BGM91, CB96, COBA95, DR90, DB96, EM94, EHM97, GBCA99, Gre98, HBF93, KNR99, KE93, Kuh96, Lif92, MSV98, MC95, Nea94, Nic93, PC99a, Pri90, Pri91, Rie94b, STAS91, SH90, Sch95b, SFHD99, STS+97, UL98, Val91a, Val91b, WONM96, WVHS98, XP99]. **Motion** [ALTP98, Ara97, BW95, Cor96, DOOSM99, DNN93, EB94, HG94, HOS96, HH98, Lil97, MBO94, NB98, QTL98, Ruu98a, Ruu98b, RMO99, SG98, VB95, Yin96, ZCMO96, CWG90, CWG91, MD90, MDA91, MOS92, TKKB92, Tes92]. **Motions** [CS98a]. **movement** [HGH90, HGH91]. **mover** [Fri90]. **Moving** [AS94, Ano99-30, BW95, BCR99, CHR99, FAH97, FHKZ97, GDP96, Had99, HLOZ97, HRR94, JL96b, KC97, LP97, LKK99, QS98, SSR96, SS94, Str99c, ZC94, ZW97, ZRR99, vM95, CW92a, CW92b, CS92b, CS92c, FVZ90, MB92, RR90, RR91, Rob90a, VD90, Wat92b, Wat92a, Wes94, ZB92a, ZB92b]. **moving-finite-element** [ZB92a, ZB92b]. **moving-grid** [FVZ90]. **MP** [Par90]. **MPDATA** [SM98b]. **mufti** [DHS91]. **mufti-mesh** [DHS91]. **Mullins** [ZCH96]. **Multi** [AH99, BBGL93, Bru93, CSW98, CH90b, CH91, FPRB90, FPRB91, GM95b, Han93a, HJ98, KCV99, LO98, PFRB93, RY94, SBGK99, SWT98, TKKB92, Tes92, WEQ+99, BBK91, Bru92, DD90, DD91, JJK92, Lar91, SD93b, UT91, UT92b, UT92a, EH93]. **multi-component** [Lar91]. **Multi-dimensional** [CSW98, GM95b, LO98, SBGK99, SWT98, WEQ+99]. **Multi-domain** [CH90b, CH91, Han93a, HJ98, TKKB92, DD90, DD91, SD93b]. **Multi-fluid** [KCV99, UT91, UT92b, UT92a]. **Multi-grid** [BBGL93]. **Multi-modal** [AH99]. **Multi-particle** [EH93]. **Multi-processor** [Bru93, BBK91, Bru92, JJK92]. **Multi-scale** [FPRB90, FPRB91, PFRB93]. **Multi-zone** [RY94]. **Multiblock** [ST95]. **multicolor** [CMK90]. **Multicomponent** [Abg96, BPT95, EG95, Kar94, Shy98, Shy99, Ton96, Xu97, CYD92, RS90]. **Multicomputers** [Sha96]. **Multiconstrained** [TLES93]. **Multidimensional** [BT97a, BT97b, CK96, CWC99, CS98b, Col90, DW94b, DW98c, Fey98a, Fey98b, GNHP95, HB97, Hub99, JM98, KP97b, LeV97, Noe94, PQ94, RvR93, SMD98, Swa99, Thu96, Tót97, VP97, Wit96a, Yee97, DeV91, Duk91, DM92d, DM92e, Mel91, SG90]. **Multidisciplinary** [Shu95].

Multidomain [DBS94, Kop90, Kop91, Kop94, KK96, Kop96, Kop98, LW96a, Mal96a, PVQ97, SP98]. **Multifluid** [SA99]. **Multifrequency** [Win95]. **Multifrequency-Gray** [Win95]. **Multigrid** [ARB96, Bar91b, BS96, BL98, CW90, CWF96, CSW95, DS99, DF96, Dic90, DIV98, Edw96a, GSB98, GKZ97a, GKZ97b, Hei93, JDC94, JV95, Kor90, LL99, LS93a, LL93a, LL95, LZ96, LZS98, LF96, Mav98, MDH98, Oos97, OGWW98, Pai97, PB98, PG97, RS95, RKO99, SMJ98, SR97, SDP97, VRD99, YM95, YSMG97, Zha94, Zha98, AB94, BY92, Bra92, Cal90, Cal91, Dav91, Dav92a, Dav92b, Hei92, KW92, LS92b, Luc90, Luc91, Mul92b, Mul92a, SK90]. **multigrid-continuation** [SK90]. **Multilayer** [LBB94]. **Multilevel** [Ano97-29, BL90a, BL90b, HT97, KLB99, SB96b, Tem96, VPS95, VP96]. **Multimaterial** [CS97b, FMM99, FAMO99, RKO99]. **Multimaterials** [DW98a]. **multimodal** [SSF92a, SSF92b]. **Multiparticle** [lX98, Zin94b]. **Multiphase** [HCZ99, HSZ+97, LNS+94, Ruu98a, SA99, UKSTST97, ZCMO96]. **Multiple** [AWY99, BCM95a, BGM95, BS93, Hof97, MBO94, MP96, Rei99, SCT+99, ZC94, ZW97, ZLP97, Sch92b, Sch92a]. **multiplication** [BL90a, BL90b]. **multiplicative** [DM90, DM91b]. **Multiply** [DHSS94, KM95, vGVO98, BW90, BW91, GGM93]. **Multiply-Connected** [KM95]. **Multipole** [ARTAAA97, BFO99, Boy92d, CDM98, LRW95, CGR99, CPP93, LDB96, Mak99, YR98]. **multipole-based** [LDB96]. **multipoles** [Mak99]. **multiproccessor** [Nat90]. **multiprocessor** [BBK90, Nat91]. **Multiresolution** [Bih96, BS99f, Har94, Sjö95b]. **Multiscale** [HW97, LAE98, WA95, Wir97]. **Multispecies** [Mat94]. **Multisphere** [lX96, lX97]. **Multisphere-Scattering** [lX96, lX97]. **Multistage** [SC97]. **Multivalued** [Ben96]. **Multiwavelets** [AIV99]. **MUSCL** [Hub99]. **MUSCL-Type** [Hub99].

N [KE93, Swe94]. **N-Body** [Swe94]. **NAMD2** [KSB+99]. **Nature** [CL98b, DDD98, RR90, RR91]. **Navier** [Gil97, ANL94, AM96, ABC+98, AB94, Arm94, AS99b, BB90a, BB91a, BR97a, BK94, BTW96, BLT96, BJ90, Cha95, CPJ90, CB97, CH90b, CH91, Cle97, Cod99, CJ95a, Cot90, CD95b, CMM93, DBS94, Dau92a, Dau92b, DF96, DD90, DD91, DH95, Dom90, DIV98, ETFS94, EP99, Fis97, GTD98, GB97, GHKH93, yGmC92, GC92, Gup90, Gup91, Hen94, HI98, Hwa94, ID96, IM95, Jac99, JB93, Joh93, JR99, KIO91, Kla99, Kop98, Kor90, KL92b, LM90a, LM91, LM97, Lee98b, LZ96, LS98, LDB98, LR90, LR91, Luc90, Luc91, MDB91a, MDB91b, MV99, MH90a, Mar94b, MH90b, MH91, MP97, NPC93, Nor96, Nor98, Nor95, NC99, Pri95, PM98, RF95, RKV90, RKV91, RvR93, Rus93, SP98, SPC92, SPC93, SD93b, SNU98, STW97, SS99c, Shu91, Shu92b, Shu92c, Sjö95a]. **Navier** [SA90a, SMR91, Taf95, Tau94, TfNW91, TNW92c, TNW92d, Tid95, Tou97, Tou98, WNY93, WS93, XP94, YYCH98, ZSK94, Zha94, ZWS98]. **Near** [Bas92, GS96a, JSD95, NP94, Rob99, ZYKC98, BG92, EMRS91, HS90, KKD90, Nak95, PRMV90, Rob90a, VBB90]. **Near-Boundary** [GS96a].

Near-Caustic [Bas92, BG92]. **Near-Equilibrium** [NP94]. **Near-Field** [Rob99]. **Nearly** [Ano97-29, Boy96a, SB96b]. **Negative** [CP98b]. **neighborhood** [Hor90, Hor91]. **Neighborhoods** [Swa99]. **nesting** [CH90b, CH91]. **Network** [ESH93, EH93, HGFH95, MML98]. **Networks** [Bot98, BW95, Kar97, ZC94]. **Neumann** [Bal95, GPWZ96, GGM93, HPG98, MBF94, Sco98, WNY93]. **Neumann-Type** [MBF94]. **Neural** [LK90]. **Neutral** [Azm99, BO96, PB98, Nic93, Val90, VNC92a, VNC92b]. **Newton** [Ano94t, BB90a, BB91a, Fen99, GS96b, KPC92, KPC93, KM95, LPMS94, LL96, PCLC97, RKO99, SSR96, STW97, Tid97, XS93]. **Newton-like** [LPMS94]. **Newtonian** [CK92, CK93a, MNP90]. **Nicholson** [Alv91, Alv92]. **NLTE** [KH90, KH92]. **No** [BGH$^+$99, GHS93a, KHW98, MB94, Wer95, Wer98, HLB94, LM92]. **No-Slip** [GHS93a, MB94, Wer95, HLB94]. **Node** [GN96, HGH90, HGH91]. **Node-Centred** [GN96]. **node-movement** [HGH90, HGH91]. **Nodes** [Kar97, MMS90a]. **Noise** [MO95]. **Noises** [RS99b]. **Non** [ABBM96, Abg94, BK93, BM94, BR99, Bar94, CK93a, DW95b, DA94, ES94, FAMO99, Fer95, Fis94, Fri98, Giv90, Giv91, HEOC97, HS99b, HSS97, nJ93, KT99, LPBS96, LLD93, LOC94, MBV93, Mad95, NT90, OK94, RCA93, Shu97, SK93, Sun96, VDJ93, ZSK94, vBvNW95, BB90b, BB91c, CK92, GM92, GC90, LLD92, LMP92a, LMP92b, MNP90, MH90a, PL92a, RCA92, Shu90, SLV90, Shu91, Shu92b, Shu92c, SCC93a, SCMU92a, SCMU92b, TA91b, TAD92a, TAD92b]. **non-Boussinesq** [LMP92a, LMP92b]. **Non-Cartesian** [Fis94]. **Non-conforming** [KT99]. **Non-diffusive** [nJ93]. **non-equilibrium** [GC90, Shu90, SLV90, Shu91, Shu92b, Shu92c, SCC93a]. **Non-Hermitian** [LPBS96]. **non-inductive** [TA91b, TAD92a, TAD92b]. **Non-isotropic** [HSS97]. **Non-iterative** [OK94]. **Non-linear** [BR99, VDJ93, BB90b, BB91c, GM92, SCMU92a, SCMU92b]. **Non-Newtonian** [CK93a, CK92, MNP90]. **Non-Orthogonal** [ABBM96, Mad95]. **Non-Oscillatory** [Fri98, Abg94, DW95b, ES94, FAMO99, HEOC97, HS99b, nJ93, LOC94, NT90, Shu97, SK93, PL92a]. **Non-periodic** [BM94, MBV93]. **Non-reacting** [LLD93, LLD92]. **Non-Reflecting** [Fer95, Giv90, Giv91]. **Non-separable** [Bar94]. **Non-staggered** [ZSK94, MH90a]. **Non-symmetric** [DA94]. **Non-uniform** [BK93, RCA93, vBvNW95, RCA92]. **Nonanalog** [UL98]. **nonconforming** [KR95]. **Nonconservative** [HP92, HP93]. **Nonconvex** [dG96]. **Nonequilibrium** [LGC92, Zho96, Boy90, Boy91a]. **Nonevolutionary** [BKP96]. **Nonideal** [GP98a, JSE97]. **Noninterpolating** [Oli94]. **Nonisothermal** [CF94, HF98]. **Nonlinear** [AQ98, AAL97, Aoy95, BL99, BYMZY95, BK97a, BKV98, BR94, Boy95a, Boy96a, Boy97b, BCR99, BCT98, CLNT98, Can95, CG93, CJS99, CBS93, CC97, DW98a, DZ96, DK96, DM97b, Die95, DIV98, FKM99, FD99, GP98b, HO96, HS99a, LM95, LEI96, MLBW97, ÖM95, Osb90, Osb91, Osb93, PNC94, PBBS91, PBBS95, PO90, PO91, RFL93, SH99, SMSS98, Str95, Tay94, Vad95,

Vra95, WONM96, YH95, YG94, ZV97, dG96, Alv91, Alv92, BO92, CK90a, CWG90, CW90, CWG91, CHL+90, CHW90, FM92, Fra92, GCMR90, GL95, LS92a, MS90a, MS91a, MLB92, PM90, RLM90, SW92, TSS92, YSG91]. **Nonlocal** [BH96, Boy95b, Boy96a, Boy97b, LPBS96, SDI98, Tsy95]. **Nonnormality** [HO96]. **Nonoscillatory** [LO96, SG90, Sur94]. **Nonparametric** [WEMH99]. **Nonperiodic** [Cle97, GTD98]. **Nonpolynomial** [Wit96a]. **Nonprogressive** [WJTP96]. **Nonreacting** [BS99e]. **Nonreflecting** [GC95, GK95, GK96, GK98, JB93, LT96]. **Nonseparable** [DB97]. **Nonsmooth** [ER96, PK95, WSK99]. **Nonstaggered** [EL97a, SSB90, SSB91]. **Nonstationary** [LW94]. **Nonsymmetric** [Wit96b, Mor92, Nat92a]. **Nonuniform** [CF99, Tho97, Win97, HLD96]. **Nonzero** [TS96, TSR92]. **Normal** [DOOSM99, KGH+98, SSW98, WJTP96]. **Normal-Mode** [KGH+98]. **Normalisation** [Bri95]. **Nosé** [BLL99]. **Note** [AC95, Ano91o, Ano91p, Ano91n, Ano92k, Ano94t, Ano94s, Rap93, vNZ94, LR92]. **Notes** [Ano90p, Ano90q, Ano91q, Hor90, Rie99b]. **Notion** [LR98]. **Novel** [HCD98, Nun93, TYS95, Wan97, DK92a, DK92b]. **Nuclear** [KP97a, BLMR92, Blu92, LBC+93]. **Nucleon** [dAT95]. **Number** [BS99c, DA94, LB94, Leb99, MCPR95, MFZ97, RSW98, SBGK99, SMT99, SDP97, TS96, TO98, VDJ93, VRD99, lX97, vL97b, Ano99-30, CV92a, CV92b, Kle95, TSR92]. **Numbers** [Jun99, ASTAS91, BES90, IT90]. **Numerical** [AHS96, AHS97, AK94a, AC95, AHH94, AS94, AWY99, Ara97, AK97, ADS96, ADS97, BST95, BY94, BS98a, BR97a, Bel97, BD94a, BBC+90, BBC+91, BK97a, BD94b, Bot96, Boy96a, BDR91, BW95, BFGG94, Bry97, BCDL97, BC98, BCT98, BDML94, CN95, Can95, Can96, COS+98, CW98, CH99, CBL95, CGA93, CF94, CM94, Cho97, Chr97, CGSS90, CGSS91, CGKC92, CGKC93, CKQ+93, Cod99, CDW99a, CDW99b, CR96, CEG+97, CK93b, CJR91, CJR92a, CJR92b, CL98b, CS93c, DW98a, DW98b, DE93, DNN93, Die95, DS97b, Don94, DQ95, DM93, DE99, DK90, Dvo91, DK92d, DK92a, DK92c, DK92b, ES94, ES98, EGS96, FEO95, FMO97, FT96, FPB98, FC95, GRB+95, Gho96, GM95b, GKL+96, GZ95, GMPGV96, HF98, HTK90, HKNT98, HML99, HA93, HK98, Hol96a, HS90, Hum96b, HC93]. **Numerical** [HSS97, Jab94, JT99, JL96b, JL96a, Kal91, Kal92, Kar97, KKK95, Kla99, KG90a, KCJ95, KNW99, KW93, KRGv93, KMM96, KM97b, KB99, LPMS94, LSLG97, LGC92, LBB94, LS94, LLR94, LK94a, LJG96, LZG99, Lil97, LLT94, Liu96b, LK98, LK99, LDB98, LR94, MD98, Mal90, Man93a, Mar94a, MPR99, MBI+97, MW94, MMS90b, MMS91, MB96, MDH98, NWK98, NCF96, NMB94, Nun93, OS98, ÖM95, OD99, ÖLJ98, Pap92, Pap93, PB91, Pen95, Pet94, Pet96, PZ98, PVQ97, PMR97, PX93, Pri96, PO90, PO91, Puc97, Qi93, QW93, QS98, QR90, RM93, RCA92, RCA93, Ram90a, Ram90b, Ram97b, RL97, RH99, RW96a, RFH93, SB96a, Sak96, SZ97, SB95, SKR+93, SA95, Sem97, SBKH92, SMW99, SKO94, SI94, Sim93, ST97, Sim99, Sjö95b, Ske98, ST93]. **Numerical** [SRBG99, SVG93, SK92, SFB91, Sun93, SWD95, SC96b, SRT98, SCC93b, Tad97, TG96, TA91b, TAD92a, TAD92b, Tau92a, Tau92b, TH96b, Tho97, TO96, TP92a, TP92b, TZWH92b, TZWH92a, TRL99, Ush96, Vad95,

VDJ93, VSG95, VB95, Wal94, Wan99, Whi90a, Whi90b, Whi94, Win97, WK96, WKK98, Wri98, WCO94, XPK90, XP94, XP99, Zab97, ZB96, Zho98, ZS97, dG96, dM97a, dNPT95, dFD$^+$94, tVB92a, tVB92b, van93, ARS91, BLK90, BB91b, BBF92a, BBF92b, BW90, BW91, Bue91, CRS90, CG97c, CHW90, Dar90a, Dar90c, Dar91a, Dar91b, Dav91, Dav92a, Dav92b, DHS91, DZ91, Flå92b, Flå92a, FP92, FVZ90, GB90, GBS$^+$90, GBL$^+$92, GS93, HPS92a, HPS92b, HG91, HG92, Hoo90, HL90, HL91, IM95, IT90, JE90, LS92a, LY90a, LR90, LR91, MSF$^+$95, MD90, MM91b, Nat92b]. **numerical** [QS90, Ram92a, Ram92b, RS90, Ros90, Row91, SKK90, SKK91, Shu92a, SCMU92a, SCMU92b, ST92a, SVG92, Sul91, SB91, SRSB93, TMR92a, TMR92b, TSS92, Ver91, WDH$^+$92a, WDH$^+$92b, YSG91]. **Numerically** [FA90, FA91, HK92, HK93a, ZV97, AF90, AF91]. **NUT** [Val90]. **Nyström** [COS$^+$98].

O [AAP97]. **Object** [HM99]. **Objects** [ART95a, ART95b]. **Observations** [SWS96]. **Obstacles** [Pai97, PB98]. **Obtaining** [BSPL96, OP97, PDHS94, WH97, HG91, HG92]. **Occurring** [vD97b]. **Ocean** [BL93, Boy96b, Boy97a, Bry97, FCC97, Hal97, HB96, HdS97, Hig99, LBB94, LIH97, MA98, Mur96, Sem97, SMW99, SH94, TG96, Waj93, BL92, HWY90, HWY91, LG94]. **Oceanic** [DB98]. **Octopus** [Kos92]. **ODE** [Ano94s, Gou96a]. **ODEs** [BDR91]. **Off** [oJ95]. **Off-Median** [oJ95]. **Old** [FJGP94]. **One** [BYMZY95, CS93a, FK97, HKM96, Kle95, LMB94, Lu99, MM96, PLD97, Pri93, Pry94, RS94a, Rig94, RFH93, Sim93, Tei99, ARS91, AF90, AF91, CS92a, CW92a, CW92b, CYD92, Dar92, DGD90, FVZ90, HM95, HS90, Hoo90, Lav90, LG90, LG91, MB92, MRS94, RT92, Rus90, SMR91, YR98, ZB92a, ZB92b, DF98]. **One-** [CS93a, LMB94, CS92a]. **One-Band** [FK97]. **One-Dimensional** [BYMZY95, MM96, Pri93, Pry94, RS94a, Rig94, Sim93, Tei99, Kle95, ARS91, AF90, AF91, CW92a, CW92b, CYD92, DGD90, FVZ90, Hoo90, Lav90, LG90, LG91, MB92, Rus90, YR98, DF98]. **One-Way** [Lu99]. **Onset** [LSB96]. **onto** [Boy92b, Boy92c]. **OOMPAA** [HM99]. **OOMPAA-Object-Oriented** [HM99]. **Open** [BC99, CL98b, Fer90a, Fer90b, Gri94, GZ95, Joh93, KP98, PV93, TAC98, LG94]. **Operating** [WS96]. **Operation** [GH97]. **Operator** [Gag98, Gre94, HB96, HKR99, KNW99, PA95a, SS95, IGABB90, IABBG91]. **Operator-Split** [KNW99]. **operator-splitting** [IGABB90, IABBG91]. **Operators** [EL96c, LPBS96, MR99, MS93, MRS98, Ram97a, Rav97, SPC93, SC97, YS98a, AP91a, BRL91, CM91, ESM98, LJT92a, LJT92b, OGBSK90, Ren92a, Ren92b, SPC92]. **Optical** [BCM99b, HDL99, HKW97, KST90, KST91]. **Optimal** [AT99, BD97a, BB97a, ES98, FD93, GB97, GN96, HR96, IS96, Maz97, MR99, Rie94a, Wat92b, Wat92a, Bal95]. **Optimal-Bias** [AT99]. **Optimisation** [LG94]. **Optimization** [BCM99b, DM93, Due93, LWT99, MSV98, Pri90, Pri91, Shu95, BS91b, BS92a, BS92b, DS90, FS91, FS92, Mit92, ND90, SSF92a, SSF92b].

optimization-based [FS91, FS92]. **Optimized** [CK93b, DB96, GS97a, GKDT96, HJ98, Hof95, NC95, RN94, Ods90a, Ods90b]. **option** [SG90]. **Orbit** [CW93, JSD95, RMSB96, Smo98]. **Orbit-Averaged** [CW93]. **Orbits** [LLT94, Vra95, AF90, AF91, PB91, VBB90]. **Order** [AD97, AR96, BS99b, BS99c, BR97a, BR97b, Ben95, Boy94, Boy96a, Boy97b, BIAV98, CS93a, COS$^+$98, CGA93, CGA94, CO95, CA93, CF99, DW95a, DW96b, DW97, DM97b, ES94, EVP97, Ena93, FJ98, FM97, GO96, GO98, GN96, GKZ97b, GO95, HEOC97, Hen94, Hir97, Hof97, HL98, Hwa96, IR98, Jam99, JcW99, KPP99, LO96, LNR99, Li97, LL93a, LO98, Mah98, MR99, MP96, MS99b, MLVM98, MB94, Nor96, NC99, Ohw98, OGWW98, Pen95, PZC98, PAB$^+$97, Rav97, RWTC95, Rig94, RF95, SO95, Sco96, SNU98, Sha99, STG$^+$96, Shu97, ST97, Sjö95a, Tab96, TH96a, TS99, Tau94, TP97, Tol94, TL98, YG94, Yav97, YSD99, Zho98, Zhu95, ARS91, BM92, BY90, BY91, CS92a, CRS90, DD92b, For92a, For92b, Fri90, GL96, Hal90a, Hal90b, JW90, KIO91, LO91a]. **order** [LO91b, Nor91a, Nor91b, RS90, TEKC92, ZC91, ZC92, dFSS92]. **ordinary** [BB91b, BBF92a, BBF92b, KL97]. **Ordinate** [Abe97, RNSV91]. **Ordinates** [GACN93, Sie99]. **Oriented** [HM99]. **Origin** [AHH94, DDD98, nJWP96, KRGv93]. **Ornstein** [LPMS94]. **Orr** [AC95]. **Orthogonal** [ABBM96, CS93b, DP91, DP92b, DP92c, Eça96, Hew97, JB95, Kan92, KL92a, KR95, Mur96, OK94, AC92, Chi91, Chi92a, Chi92b, HWY90, HWY91, Mad95, TA91a]. **Orthopositronium** [JZQ$^+$95]. **Orthorhombic** [YR93]. **Oscillating** [HGFH95, BB91b, BBF92a, BBF92b, Fau90]. **Oscillations** [Abg96, AR97a, PBBS95, PS93a, VDJ93, PBBS91, SCMU92a, SCMU92b]. **Oscillatory** [EL96c, Fri98, Abg94, DW95b, ES94, FAMO99, HEOC97, HS99b, nJ93, LOC94, NT90, PL92a, Shu97, SK93]. **Osher** [Shu97]. **other** [CS92b, CS92c]. **Outer** [PBD94b]. **Outflow** [Nor95]. **Outlet** [JB93]. **Overheating** [FMM99]. **Overlapped** [Wan95]. **Overlapping** [Fis97, Hen94, CH90a, MF92]. **Overlays** [Gra99]. **overposed** [Dar90c, Dar91b]. **oxygen** [MB92].

P [Ske98, Sim99]. **P-stable** [Sim99]. **Package** [DÜ92a, LF96, DÜ92b]. **Packing** [Zin94a]. **Packings** [ACLW97]. **Padé** [Cra94, Kob99]. **pages** [BS99c, BGH$^+$99, lX97, vL97b]. **Pair** [Bru93, Bru92]. **pairs** [BF91]. **Panel** [DZ96, BR92c, BR92d]. **Paper** [Boy97a]. **Papers** [Ano93a, Ano93b, Ano93c, Ano93d, Ano93e, Ano93g, Ano93h, Ano93i, Ano93j, Ano93k, Ano93l, Ano94a, Ano94b, Ano94c, Ano94d, Ano94e, Ano94f, Ano94g, Ano94h, Ano94i, Ano94k, Ano94l, Ano95a, Ano95b, Ano95c, Ano95d, Ano95e, Ano95f, Ano95g, Ano95h, Ano95i, Ano95j, Ano95k, Ano95m, Ano95n, Ano96b, Ano96c, Ano96d, Ano96e, Ano96f, Ano96g, Ano96h, Ano96a, Ano96i, Ano96j, Ano96k, Ano96l, Ano96m, Ano96n, Ano97a, Ano97b, Ano97c, Ano97d, Ano97e, Ano97f, Ano97g, Ano97h, Ano97i, Ano97j, Ano97k, Ano97l, Ano97m, Ano97n, Ano97o, Ano97p, Ano97q, Ano97r, Ano98a, Ano98b,

Ano98c, Ano98d, Ano98e, Ano98f, Ano98g, Ano98h, Ano98i, Ano98j, Ano98k, Ano98l, Ano98m, Ano98n, Ano98o, Ano98p, Ano98q]. **Papers** [Ano99a, Ano99b, Ano99c, Ano99d, Ano99e, Ano99r, Ano99f, Ano99g, Ano99h, Ano99i, Ano99j, Ano99k, Ano99l, Ano99m, Ano99n, Ano99o, Ano99p, Ano99q, Ano90c, Ano90d, Ano90e, Ano90a, Ano90b, Ano90f, Ano91a, Ano91d, Ano91b, Ano91e, Ano91f, Ano91c, Ano92a, Ano92c, Ano92b, Ano93f, Ano94j, Ano95l]. **Parabolic** [AE98, DW94b, HMOS95, MM96, MWW96, Str95, YMAC99, ISW92a, ISW92b, MF92]. **Paradigm** [CWC99]. **Parallel** [AL97, APS97, BGB99, BS96, BO98, BL98, CN95, CDR99, CKE99, CR96, DB98, DF96, DB96, ESH93, EH93, FP91, GTD98, GM96, GM98, KSB+99, LJG96, LF96, LPR96, MML98, MCPR95, MLBW97, Nic98, ÖL96, Pli95, SD93a, ST95, SDG94, Swe94, Vu98, Pel91, SBGM92]. **Parallelization** [KNR99]. **Parallelizing** [ESH93]. **Parameter** [Bai97, LWT99, Roe97a, SAS94, Ram92a, Ram92b]. **Parameterized** [CW92a, CW92b]. **Parameters** [DGN97, GNH96, MSV98, YWS96]. **Parametric** [CAA93, Hag94, JBA96, Vu96, Vu98, VBD99, WEMH99, DMZ91]. **Parasitic** [AHH94]. **Paraxial** [Col97]. **Part** [Lil97, HL92a, HL92b, Ara97, ESH93, EH93, Fey98a, Fey98b, FP92, HLD96]. **Partial** [BK97a, CD98, HRR94, KS94, MQS97, OD99, QW93, RIP96, Tei99, VPS95, VP96, WD97, CH90a, FVZ90, HGH90, HGH91, HLD92b, HLD92a, ISW92a, ISW92b, MS90b, MS91c, Wat92b, Wat92a]. **Partially** [DL93, KNR99, AN90]. **participating** [Dra90]. **Particle** [AB97, ACT95, AE95, ADS97, Azm99, Bal94a, BMGM95, BH98, Boa97, Bör97, CSN93, CM99b, CW93, Cot96, DH96, DGD90, DL93, DL94b, EA97, Eyr95, FBM93, Fog92b, Fog92a, FD93, FQ96, GH95, GH97, GR97, GS97b, HMD93, Her93, Hum96b, JLSM97, KP97a, LLR94, LSRS99, LDB98, LPR96, Man93b, MRC93, Mau99, MH93, MMW96, MJPC99, OBL93, PL93, Pop95, RH99, RW96a, RW96b, RSW98, RHT96, Ruy93, Smo98, SHA95b, TS98, TM93, UL98, VAVB93, VB95, Vu96, VBD99, WTH+96, WP97, Wes94, WVHS98, WL93, AN90, Ano91n, Bal95, Bra90, Bra91, BSB92, Cot90, DMZ91, EH93, FPRB90, Fri90, FPRB91, HCC91, KMB+92b, KMB+92a, KDL+92, LG90, LG91, Löh90, LA90, LRJ+99, LL92a, LL92b, MK90, OsKB+92, Poi91, PC92b, PC92a, Rus90, VAVB92]. **particle** [VG92b, VG92a, Zan92a, Zan92b]. **particle-electron** [LL92a, LL92b]. **Particle-Finite** [Her93]. **Particle-Grid** [OBL93, Cot90]. **Particle-in-Cell** [BH98, GH95, GH97, JLSM97, OBL93, RHT96, Vu96, VBD99, Wes94, Bra90, Bra91, BSB92, FPRB90, FPRB91, MK90, PC92b, PC92a]. **Particle-Mesh** [AE95]. **Particle-method** [Fog92b, Fog92a]. **Particles** [BDC97, CLD+96, DS97b, GSB+93, KC93, LB94, NY98, RSW98, SC96b, ZP95, CYD92, CPP93, KHM92a, KHM92b, Kos92, KC92, LDB96, Poi91, RH91, TMR92a, TMR92b]. **Particular** [BR99]. **Particulate** [CM99a, Poz99]. **Partition** [AFH94]. **parts** [Ano95u, Str94]. **Passive** [PL98, WJC93]. **Past** [HC93, MB96, NC93, ZP95, IT90]. **patch** [DZ91]. **Patches** [BPM98, But90a].

Path [DH96, HBF93]. **paths** [BG92, Bas92, MMS90a]. **Pattern** [Aoy95, Dar95, RMO99, Alm93]. **PDE** [BB97a, PMO+99, YMAC99]. **PDE-Based** [PMO+99]. **PDEs** [Ano99-30, BKV98, CHR99, FS97, Hol96a, LP97, PZ98, VP97, YG94]. **PDF** [Bri95, MJPC99, WP97, Wel98, XP99]. **PDF/Monte** [XP99]. **PDF/SPH** [Wel98]. **peak** [HS90]. **Pearls** [LPR96]. **Pebble** [JH97]. **Penalty** [TK99]. **pencils** [Nat92a]. **Penetrating** [Bör97]. **Penetrative** [TC98]. **Peptides** [AT99]. **Percolation** [JH97]. **Perfect** [FMO97]. **Perfectly** [AGH99, ARTAAA97, Ber96, Col97, Hes98, Hu96, PSL99, Pet98, QG98, TAC98, Ber94]. **Performance** [BBF+99, BL92, BL93, BS96, Bro95, Fig92, MO95, MB97, NP92, Tay94, TL98, WH98]. **Periodic** [APV98, BGP98, CRRR97, FH94, FK97, Ji94, MH93, Osb93, ST97, Vra95, Wir97, ZLP97, Zin94a, BM94, Bor91b, Bor92a, Bor92b, Boy91b, Boy92a, CPP93, HM95, LDB96, MBV93, Poy92, SMR91, VBB90]. **Periodicity** [CDF95]. **Permanent** [BS99d]. **Perspective** [Nac96]. **Perturbation** [Boy97b, CDT98, EVP97, Hof97, LB93, Rie94b, ZV97]. **Perturbational** [CGY93, CGY92]. **Perturbative** [Boy95b, SMM+90]. **Perturbed** [CMW95]. **petroleum** [BR92a, BR92b]. **Phase** [BDS+99, BBMB97, CE97, CM99a, CEG+97, CDT98, CJ95b, DA94, Dur93, FV97, HK93a, HRL99, Jac99, KS94, LL96, MO95, PMR97, Sai95, SSO94, SAB+99, TP97, TM93, UMS99, WS96, Wel95, ZHL96, CS91, CYD92, HK92, Kos92, LP90, RS90]. **Phase-Field** [BDS+99, FV97, Jac99]. **Phase-Fluid** [Sai95]. **Phase-Shift** [CJ95b]. **Phase-Transition** [HRL99]. **Phases** [MP96]. **Phenomena** [GS97a, GH95, RS94a, Tan93, Ano91n, KMB+92b, KMB+92a]. **Photoconductor** [dM97a]. **Photographs** [Hel95]. **Photonic** [AK99, Dob99, FG97]. **Phys** [CNG17, MKM04]. **Physical** [LLR94, PC96, BKP91, MW93, STAS91]. **Physics** [BF97, KP97a, Lan97, PM99, YMB+91]. **PIC** [FLD93, JLM+96, MLJ97, OS97, Par90, PSL99, SAB95]. **Piecewise** [DW94b, Hol96b, MM96, Sor95, Che91, Yor90]. **Piecewise-Quintic** [Hol96b]. **Pipe** [Kar97, PM98, Nic93]. **Pipes** [hYsY96]. **Planar** [Asl99, Hob93, Hum96a, JB95, LL93a, UL98, CS91, Hob92]. **Planar-Geometry** [UL98]. **Planck** [BCDL97, BC98, Epp94, GGZ93, Mik90, Mik91, PC92b, PC92a, SVG92, SVG93]. **Plane** [CP98a, CS97a, Dar95, EM95, oJ95, Oos97, Sie99, YP98, BM91a, BM91b, GKM96]. **Plane-Strain** [CS97a]. **Plane-Wave** [CP98a, YP98]. **Plasma** [BGB99, BF97, BO96, BL94, CSN93, CD93, CGKC93, CDW99a, CDW99b, CLD+96, FLD93, GSB+93, GRB+95, GH95, HK94, JLSM97, JSD95, KL93, KPC93, KM95, Kno98, KLB99, LB94, Mat94, MSF94, Nun93, PFRB93, PPBC93, Ram97b, RHT96, Sco96, SCG94, STS+97, Swi96, VD97a, VM96a, VAVB93, VS95, WCO94, Zan97, Ano91n, CGKC92, FPRB90, FPRB91, KMB+92b, KMB+92a, KDL+92, KPC92, KST90, KST91, LG90, LG91, LL92a, LL92b, MS91b, MS92b, MS92a, PPBC92, RD91, RLM90, TT90, TT91, TA91b, TAD92a, TAD92b, VAVB92, VNC92a, VNC92b].

Plasma-Neutral [BO96, VNC92a, VNC92b]. **Plasmas** [AHH94, DHS94, GGZ93, KGH+98, KRGv93, KC93, LMS98, LW94, MK97, PS93b, Tan93, TS98, WJC93, AN90, HCJ92a, HCJ92b, KC92, OsKB+92, PC92b, PC92a, RD92a, RD92b, Rob90b, Zan92a, Zan92b]. **plastic** [TP92a, TP92b]. **plate** [HPS92a, HPS92b]. **Platelet** [WF99]. **PLIM** [RS94a]. **Plume** [CR96]. **plus** [GS94]. **PML** [AG97, YP98]. **Poincaré** [BLL99]. **Point** [AC95, ART95a, ART95b, CMW95, Chr97, CF98, CF99, Eça96, FWWD94, Pen95, SP99, Zab97, Fig92, Jac90, MPG92a, MPG92b, PRMV90, QR90]. **Point-Matching** [ART95a, ART95b]. **Pointed** [Dar96]. **Points** [GS96a, Mas96, Vad97, Zan99, BG92, Bas92, VBB90]. **Poiseuille** [FJGP94]. **Poisson** [Tho97, AKW93, BK93, BR99, Bar91b, BIAV98, CMK90, CZS98, CKSB97, DVD93, DR90, Fab92, GL96, GKZ97b, Her93, JC98, LJT92a, LJT92b, MGM95, MBI+97, RCAM92a, RCAM92b, RLM90, She95, SFB91, Wan99, Win97, Zha98]. **Poisson-type** [Bar91b]. **Pol** [CAA93]. **Polar** [MM95b, SNU98, EHW90, EHW91]. **Polarized** [KKOF97]. **Pole** [HS93b]. **polyatomic** [tVB92a, tVB92b]. **Polygons** [MA93b, GSY92, Got92]. **Polyhedra** [Gra99, MA93b, GSY92, Got92]. **Polyhedral** [LV98]. **Polymer** [KWT+97, SVS90, SVS91]. **Polymeric** [SHF97]. **Polymerization** [GTD98]. **Polymers** [För96, MDA91]. **Polynomial** [Boy95a, Eve96, RH98, SRVK96, Dic90, TEKC92, Tas92, Yor90]. **Polynomials** [CS93b, JB95, LV98, Sen99, BE91, BE92a, BE92b, Chi91, Chi92a, Chi92b]. **Porous** [CE97, Dur93, GP98a, HT97, HW97, LLK98, Pap93, SW96, Bor91b, Bor92a, Bor92b, Pap92, RS90]. **Poroviscoelastic** [CH99]. **Portable** [DHSS94]. **Posed** [BST95, AGH99, HM95]. **posedness** [Glo92]. **Positive** [HKvV95, SG90]. **Positivity** [BS99a, FWBS94, GVM99, Lar91]. **possessing** [MSF+95]. **Post** [MQS97, SCA92b]. **post-interface** [SCA92b]. **Post-processing** [MQS97]. **Postshock** [AR97a]. **Potential** [DR96, EL97a, GS94, GM98, IH95, Jai97, KS94, Tan94, VD97a, VAVB93, ZZ98, dAT95, JB91, JBvK+91, KKD90, MGP91, May92b, May92a, Str91, Str92a, Str92b, VAVB92]. **Potentials** [BD94b, BK97b, EH93, FV97, FH94, Gou96a, GBS99, NC95, RN94, SHF97, Wit96a, Wit96b, Kob90, Kob91, KF91, LDB96, Str91, Str92a, Str92b, Tas92]. **Power** [Cra94, HKM96, VC90, VC91]. **power-law** [VC90, VC91]. **pp** [Ano99-30]. **Practical** [GA95]. **pre** [SCA92a]. **pre-bubble** [SCA92a]. **Precision** [EB94]. **Preconditioned** [ANL94, HB90a, HB91, JE90, LZS98, PG97, VSH96, VSM99, KH90, KH92]. **Preconditioner** [EVP97, CP90]. **Preconditioners** [Azm99, DS96]. **Preconditioning** [BL98, CN95, CM93, DS99, Lee98a, Lee98b, PBD94a, Tid97, DD90, DD91, Mor90]. **Prediction** [Can95, Ush96]. **Preface** [Roe97b, Shu97]. **Premixed** [QTL98]. **Preprocessor** [Tót97]. **Prescribed** [MM98]. **Presence** [BK99, KS92]. **Preservation** [CW98]. **preserve** [Lar91]. **Preserving** [Boy98, FWBS94, Mad95, MS99a, SH97, TW93]. **Pressure** [Abg96, BS99a, BS96, Dor99, Edw96b, EOS98, LM95, MSF94, PR93a, SI94,

SC97, Taf95, TZA96, WS93, BK91, BK92a, BK92b, RWC90]. **Pressure-Based** [BS96, SC97, TZA96, WS93]. **Pressures** [CS98a]. **Prevent** [Abg96]. **Primitive** [Kar94, LL96, UWH99, WH98, XS93, HWY90, HWY91, SA90b, SA91, SA92a, SA92b]. **Principal** [NM95, Lay90]. **Principle** [dAT95, Adh92a, Adh92b, BWJ90, MWJ91, Sal91, Ver91, dG92a, dG92b]. **Principles** [Osc94, SWS96]. **Priori** [MKM98]. **Probabilities** [WH97]. **Probes** [Hum96a]. **Probing** [HM99]. **Problem** [BS99d, BD97b, Boy95a, CS97b, Cra94, Dar95, FMM99, Gar98, GPWZ96, GM95b, GDP96, Had99, KS94, KT99, LWT99, LL96, Mal96a, Mar94a, OD99, SA95, SVV98, SMT99, Shu95, SDI98, SRA98, TWV97, TO98, Wan97, YZ98, ZCH96, Abr91a, Abr91b, BW90, BW91, FP91, FS91, FS92, FP92, Glo92, Hei92, KEHK90, KEHK91, LGC92, Mel91, MB92, PDC91, SKK90, SKK91, SH92]. **Problems** [AS96, AK98, BR99, BYMZY95, Bar94, BCM95a, Bel97, BD97a, BS99e, BMZ95, BBMB97, CLO93, CW98, CMW95, CC97, CMOS97, Cho97, CJM97, DR96, DA94, DS94, ES98, EL96c, FA97, FD93, FPQ93, GS95, GP98b, HOS93, HKNT98, HML99, HR96, HLOZ97, HW97, HHR99, HS93b, HS94, HSS97, IH95, Ji94, Ji96, nJ93, JT93, KP97a, KL94, LL99, LT93, LEI96, Liu96a, LO93, MW94, MB94, NO93, OBB98, Oos97, OGWW98, PFRB93, PK95, Pen95, Pri98, Puc97, RS95, Ram97a, RFL93, Rig94, SSR96, SS95, Shy98, ST97, SW96, TKT97, TS99, TH96b, TO96, VSH96, VSM99, Wir97, ZC94, ZW97, ZOI97, ZRR99, vGVO98, AM90, BDR91, CS92b, CS92c, Dar90c, Dar91b, DM91a, DM92a, DM92b, Dra90, Fer90a, Fer90b, For90, For92c, FMS92, HM95, Jac90]. **problems** [JLB90, Kar91, Kar92, KW92, Lay90, LHI90, LM90c, LE90, LE91, Mor90, Nat92a, Ods90a, Ods90b, OB95, Or94, QR90, Ram92a, Ram92b, SSF92a, SSF92b, SMM+90, SK92, SRSB93, TLES93, UWSB90, UWSB91, WMG+91a, WMG+91b, dFSS92]. **Procedure** [AT99, AK94b, BTW96, HOS96, LT93, LIH97, Liu96a, MBV93, MG97b, Nea94, SvD96, Sim93, TYS95, AM90, BS91a, For92c, FMS92, MDB91a, MDB91b, SA90a, Wei92]. **procedures** [CH90b, CH91, HHG91, HHG92, KL92b]. **Process** [LL95, RLT93, SKO94, dG96, SCA92a, SCA92b]. **Processes** [DFFG96, LNR99, SL96, SCT+99, SCC93b, BBC+90, BBC+91]. **Processing** [Shi93, MQS97, Pri90, Pri91, TZWH92b, TZWH92a]. **processor** [BBK91, Bru92, Bru93, JJK92, SBGM92]. **Processors** [ÖL96]. **Produced** [Gou96b]. **Product** [Gra95, Man93a, PR93b, Wit96a, Vre91a, Vre91b]. **product-formula** [Vre91a, Vre91b]. **Program** [LW96b]. **Programming** [ST95, Lav90]. **Progress** [HLD96, RS95]. **Projection** [ABC+98, BCM99a, CP99, CR99, Eyr94, FMO98, GQ97, KPP99, LS98, Min96b, Min96a, PAB+97, Tau94, XH98, ZS92a, ZS92b, Zhu95, BM92]. **Projections** [Pri94]. **Projective** [WL96]. **Propagating** [AS95c, ZHL96]. **Propagation** [AHH94, BD93, FHKZ97, HT95, HHR99, Iva93, KI99, LS96, LeV97, LeV98, Löt94, MMW96, Qi93, Ram97a, Ske98, WJTP96, Wri98, ZS97, AAP+95, LRB+90, LBC+91, TPL90, WMG+91a, WMG+91b]. **propagator** [BG92, Bas92, CK90a]. **propagators** [TEKC92]. **Proper** [LR98].

Properties
[BY94, CW98, För96, Hel95, JZQ+95, MS93, NMW+96, Rob90b, ZDG95].
Property [EG95, Fur99]. **Proposed** [TRL99]. **Protease** [DOOSM99].
Protection [LTE93]. **Protein** [JMDB99, SS99a]. **Proteins** [DOOSM99].
PS2M [AN90]. **Pseudo** [Ano94s, BCM95a, BGM95, LD93, Mar93, PM90, RG97, SSR96, Sun96, BKM90, BT92a, BT92b, Dom90, ND90].
Pseudo-Current [Mar93, ND90]. **Pseudo-Non-Time-Splitting** [Sun96].
Pseudo-Solid [SSR96]. **Pseudo-Spectral**
[BCM95a, BGM95, RG97, LD93, PM90, BKM90, BT92a, BT92b, Dom90].
Pseudo-Steady-State [Ano94s]. **Pseudocompressibility** [SC97].
pseudoparticle [Mak99]. **pseudoperiodic** [RS91]. **Pseudorandom** [MCPR95, ASTAS91]. **Pseudospectral** [Boy92d, Boy94, Boy96b, Boy97a, Boy97b, CBL95, DECB98, Don94, DF98, GS96a, Han93a, HS93b, HS94, Kab96, KTE93, Ku95, Mal96a, MR99, MQS97, NPC93, PBD94a, Pri95, RF96, TC98, YP98, For90, Jac90, MS90b, MS91c, Pel91].
Pseudospectral/Delves [Boy97b]. **Pulp** [SG98]. **pulsar** [LS92c, LS92d].
Pulse [FHKZ97, KKOF97, KL94]. **Pulses** [Luk99]. **Pumped** [LW94]. **Pure** [FA97, PA95a]. **Purpose** [BGGT90, DS90]. **pursued** [YHW90, YHW91].
Pushing [Smo98].

Quadrature
[CK96, CP98a, CZS98, CJ95b, LV98, NM95, NB98, Pri94, Str96, Yak96].
Quadrilateral [ABBM96, Gir98, MRS98, ST99]. **Quality** [MCPR95, Sun96].
Quantization [KLM95, LB93]. **Quantum**
[Abr91a, Abr91b, Bar94, CCGJ95, Cra94, Dru99, KKOF97, LW96b, LLLY99, LK94a, LK94b, MH94, Rei99, Wit96a, SMM+90, SFB91].
Quantum-Classical [Rei99]. **Quantum-Mechanical** [Bar94].
Quantum/Classical [Dru99]. **Quasi**
[Abg96, Ano94t, CC98, KO98, LBB94, LeV98, MC95, OG97, PCLC97, Pri93, SS99c, SMW99, TO98, Wir97, Dar90a, Dar91a, MPG92a, MPG92b, ZDG95].
Quasi- [KO98, SS99c]. **quasi-confirmal** [Dar90a]. **quasi-conformal** [Dar91a]. **Quasi-ENO** [OG97]. **quasi-fractional** [MPG92a, MPG92b].
Quasi-Geostrophic [SMW99, LBB94]. **Quasi-Isometric** [CC98].
Quasi-Monte [MC95]. **Quasi-Newton** [Ano94t, PCLC97]. **Quasi-Periodic** [Wir97]. **Quasi-Riemannian** [Pri93]. **quasi-static** [ZDG95]. **Quasi-Steady** [LeV98]. **Quasi-Two-Dimensional** [TO98]. **quasiconformal** [Dar93].
Quasilinear [Tho97, Win97]. **Quasineutral** [DHS94, JLSM97, Ram95].
Quasiparticles [Rom97]. **Quench** [Bot96]. **Question** [Sco98]. **quick** [HHG91, HHG92]. **Quintic** [Hol96b, CHW90]. **Quotient** [Fat99].

R [AAP+95]. **R-matrix** [AAP+95]. **RACAH** [RMSB96]. **Radau** [BN94].
Radial [GEK+97, CRS90, HSN90]. **Radially** [Nor98]. **Radiation** [BBF+99, Boy95b, Boy97b, DW98b, Gra95, MSF94, RKO99, RK99, SCA92a, SCA92b, TW94, TG96, Win95, dG96, Dra90, YM91, YM92b, YM92a].

Radiation-Hydrodynamics [BBF+99]. **Radiation-induced** [SCA92a, SCA92b]. **radiation-magnetohydrodynamics** [YM92b]. **Radiative** [AN98, Fra95, JFH+98, KI99, MWS96, BKP91, Sal91, SM92, Sto92, dG92a, dG92b]. **Raman** [BGB99, GB90, GBS+90, GBL+92, GSB+93]. **Random** [BBGL93, CV92a, CV92b, EM95, EHM97, HB95, KI99, Zan99, Zin94a, BES90, CG97c, HN95, HCP93, VC90, VC91]. **Randomly** [MD98, SV97]. **Range** [Lu99, NC95, Pli95, RS99b]. **Ranged** [RN94]. **Rankine** [JM98]. **Raphson** [SSR96]. **Rapid** [GM98, KL94, LH92, Rok90, SH99, HB90a, HB91, May92b, May92a]. **Rapidly** [KB99, BB91b, BBF92a, BBF92b]. **Rarefied** [APS97, FBM93, PC99a, YH95]. **Rate** [Boy94, Rom97, KH90, KH92]. **Ratio** [Kal97, SP98, VRD99]. **Rational** [LLT94]. **Ray** [ACT95, Ben96, FHKZ97, Rie99b]. **Ray-FDTD** [FHKZ97]. **Rayleigh** [Fat99, Gel99, HCZ99, KG92a, KG92b, LJG96]. **Rayleigh-Bénard** [Gel99]. **Re** [MH94]. **Re-formulation** [MH94]. **Reacting** [BS99e, Edw96a, GSB98, KNW99, LLD93, NWK98, Ton96, XP99, CYD92, IGABB90, IABBG91, LLD92, YTS92]. **Reaction** [CZ98, HO96, HGFH95, KD97, SL96, WEQ+99, WH97, BB90b, BB91c, CYD92, MMS90b, MMS91]. **Reaction-Convection-Diffusion** [HO96]. **Reaction-Diffusion** [CZ98, HGFH95, KD97, SL96, MMS91]. **Reactions** [RC95, WH97]. **Reactive** [BPT95, BS99f, CR96, MJPC99, PDHS94, SMJ98, Zho96, BAB90]. **Reactor** [EGS96]. **Real** [CP98b, LL93b, MML98, MS99b, MVZ97, SLL94, ZC94, LVS90, Shu90, SLV90, VM90]. **Real-Time** [MML98]. **Realistic** [BD94b, Pri94]. **Realization** [SCT+99]. **Receptor** [EA97]. **Recirculating** [LT93, BY90, BY91]. **Recombining** [Kno98]. **Reconnection** [AS94]. **Reconstruct** [TSW95]. **Reconstructing** [GBS99, RK98]. **Reconstruction** [CL98a, Mot98, OG97, Osc94, SSW98, YWS96, AP90, AP91b]. **Record** [Due93]. **Record-to-Record** [Due93]. **recoupling** [WS91, WS92a, WS92b]. **Recovery** [SR99]. **Rectangles** [Mar94a]. **Rectangular** [BS99e, Gel99, ZS97, Mar90, YMB+91]. **Recurrence** [CS93b]. **recursive** [JVR93]. **Rederived** [MJP93]. **Redistancing** [Str99a]. **Reduce** [MM97b, DÜ92a, DÜ92b]. **Reduced** [Gou96b, IR98, VBD99]. **Reduced-Description** [VBD99]. **Reduced-Order** [IR98]. **Reduction** [FBM93, RSW98, SE98]. **Reference** [TRL99]. **Refined** [CDW99b, DP93, Min96b, PV99, DP92a, YMB+91]. **Refinement** [BS99e, Coo99, FH98a, FGM97, GBCA99, HT97, JFH+98, Kho98, PGD99, vdVvdV98, FM92, Fra92]. **Reflected** [LM95]. **Reflecting** [Fer95, Giv90, Giv91]. **Reflection** [Ben95, HKW97, TPL90]. **Reflectionless** [PZC98]. **Reflections** [DM96]. **Reformulated** [Hei93]. **Refraction** [HKW97]. **Refrigerator** [WK96, WKK98]. **Region** [Gra99, MA98, PBD94b, BW90, BW91]. **Regions** [DE93, GM98, JMR94, PBC+95, Hor90, Hor91, Mar90, May92b, May92a]. **Regridding** [Löh96]. **Regular** [CC98, KCJ95, ZL93]. **regularised** [GG90]. **Regularization** [HOS96, PMR97, WKMH97, LKLE90, LLEK91].

Regularized [BLP98, She90, She91]. **Regularizing** [SBO93]. **Rejection** [KNR99]. **Rejection-Free** [KNR99]. **Related** [BD97a, EL96b]. **Relation** [Boy97b, TW93]. **Relations** [Gou96b]. **Relativistic** [Bal94b, Cra94, DW95b, DFaIM98, Man93b, MM96, YCTC97, BKP91, HTK90, SKR+93]. **Relaxation** [GGP97, HMD93, Jin95, JL96a, KKH+99, Kla99, LPBS96, LL95, Maz94, MS99b, PCLC97, ZB96, BG92, Bas92, GC90, Tay91, TfNW91, TNW92a, TNW92b, TNW92c, TNW92d]. **Relevant** [CGKC93, CGKC92]. **Reliable** [Pry94]. **Remapping** [Gra99]. **Remeshing** [SWS96, DT90a, DT90b, HW92a, HW92b, PPM92a, PPM92b]. **Reminiscences** [God99, Van99]. **Removal** [Cho93b, Jak93, Cho90a, Cho90b]. **Removes** [Rob99]. **Removing** [HLS94, HKS98, Kel94]. **Representation** [JBA96, MLJ97, VC90, VC91]. **Representations** [SH98a, PH94]. **Representer** [Lya99]. **Representing** [HK93b]. **Reproducible** [MCPR95]. **Reproducing** [HH98]. **Republication** [Shu97]. **repulsion** [LKB90]. **Requirements** [Rie99a]. **reservoir** [BR92a, BR92b, JE90]. **Reservoirs** [DGN97]. **Residual** [Ena93, SC97, TKT97, Dav91, Dav92a, Dav92b]. **Residuals** [LR94]. **Resistance** [SDI98]. **Resistive** [KGH+98, PBD94b, SS96b, CHL+90, HCJ92a, HCJ92b]. **Resolution** [AS96, AR97b, CWC99, CS97b, CEG+97, Dau92a, Dau92b, DDS97, ES94, Eka99, FCC97, GO96, GO98, Har97, JCA97, Lax97, LS96, LeV98, Mah98, PPBC93, SWT98, SRBG99, TRL99, Yee97, DM92c, Har92a, Har92b, HL92a, Lel92, Mul92b, Mul92a, PPBC92, SW92, WR91, YKM90, DQ95]. **Resolved** [Kal97, Bro95, LKLE90, LLEK91, MB97]. **Resolving** [LIH97]. **Resonance** [SS99b, SMSS98]. **Resonances** [Pry94]. **Resonant** [CCGJ95, HK98]. **Response** [HH98, LPC+93, SA95]. **Responses** [KL94]. **Restart** [WCSW99]. **Restriction** [KTE93]. **Resulting** [GH97]. **Results** [FJGP94, LLR94, ZDD99, Nat90, Nat91, Rus90]. **Reversible** [EA97]. **Review** [HGH90, HGH91, Giv90, TT90, TZWH92b, TZWH92a]. **Revised** [AN90]. **Revisited** [Dar96, Maz97, HN95]. **Revolution** [ARTAAA97]. **Reweighted** [nJ93]. **Reynolds** [BY92, Bra92, CPJ90, IT90, KL92b, MFZ97, RK93]. **Reynolds-averaged** [CPJ90]. **rezoned** [Hal90a, Hal90b]. **Rezoning** [Nor91a, Nor96, Nor91b]. **RF** [SG94]. **Rheology** [GS97b]. **Ridges** [RB95]. **Riemann** [Bai97, Bal94b, BHJU99, CS97b, DW94a, DW95a, FP92, Gla91, Gla95, JM98, LPvL93, MIM90, Mon97b, Roe97a, Sai95, SLL94, TWV97, Tou92, TK96]. **Riemannian** [Dvi90, Dvi91, Pri93]. **Rigid** [AKW93, BMJ+97, Xia99, Sal91, dG92a, dG92b]. **Rigidity** [JH97]. **Ring** [OS97]. **Rings** [LSB96, MKM99, MKM04, OsKB+92]. **rings-and-spokes** [OsKB+92]. **rise** [MD90]. **Rising** [Dar95]. **Rivulet** [RKJ97]. **Robbins** [PH95b]. **Robert** [Ano99-30]. **Robust** [DS99, DB97, ETRW95, KJ98, Löh95, MP97, SDP97, Wal94, WD97, YM95, Knu92]. **Robustness** [Mav95]. **Rocks** [PM99]. **Rods** [Kla96]. **Roe** [CG97a, Gla95, MVZ97, PV99, Sai95, Tou92, VM90]. **Roe-Type** [Sai95].

Rokhlin [HM95, SB98]. **Roll** [CS97a, CS99, SCR97]. **rollup** [KG90b, KG91, KG92a, KG92b]. **Root** [Loe93]. **roots** [Gre91, Gre92a, Gre92b]. **Rossby** [Duk95]. **Rotated** [TN98, LPvL93]. **Rotating** [BTW96, KB99, PBBS95, SS99c, YSMG97, IT90, MLB92, Zan92a, Zan92b]. **Rotational** [HI98]. **rotationally** [FP92]. **Rotations** [HP98]. **Rough** [APV98, BES94, PR93b, SS96c]. **Roundoff** [BCM95b]. **Rovibrational** [WKHS97]. **row** [Gla91]. **Rules** [Str96, Yak96]. **Runge** [AL97, AA90, AA91, CS98b, Gil97, HHM96, Jin95, MR99, SH98b, SH97, Vad97, Wei92, Zho96]. **Runs** [Bar90]. **Russell** [Ano99-30]. **Rys** [CP98a].

S [Van99]. **sampled** [RS91]. **Sampling** [AH99, BS99d]. **Sand** [RB95]. **Satisfying** [DÜ92a, DÜ92b]. **saving** [Par90]. **Scalability** [BS96, KSB+99]. **Scalable** [PDHS94]. **Scalar** [DB96, FEO95, LO96, Li97, GWI92, ZDG95, AK99]. **Scale** [GKDT96, Hal97, HB96, Kal97, KWT+97, SP96, Swi96, Waj93, vNZ94, FPRB90, FPRB91, PFRB93]. **Scaled** [SH98a]. **Scales** [EM94, EM95, Rei99, Sch92b, Sch92a]. **Scaling** [LLLY99, Val91a, Val91b]. **Scatter** [BES94]. **Scattered** [AK98, MD95]. **Scatterers** [AWY99, Rob99]. **Scattering** [AL97, ART95a, ART95b, ARTAAA97, AWY99, BPS95, BGB99, BMZ95, BGP98, CL93, CJ95b, Eyr94, GSB+93, GK96, HKNT98, Hof97, KI99, KS94, KL94, NY98, Osb93, PDHS94, Rom97, Sha96, UL98, VSH96, Win95, lX96, lX97, lX98, YGH97, YL98, dAT95, Abr91a, Abr91b, BKP91, BO92, GB90, GBS+90, GBL+92, HB90b, Mel91, Osb90, Osb91, PO90, PO91, Raw90, Raw91, Rok90]. **Scharfetter** [Kul95]. **Scheme** [AS96, AAL97, Ano97-29, ADS97, Bau97, BD93, BC98, CAA93, CD93, CA93, CJ94, CGY93, CD95a, CM95, CF98, CF99, CKE99, CCG95, DW96a, DW96b, DW97, DW98c, Epp94, FB94, FAH97, FM97, GO96, Göt99, HCZ99, Hir97, HWM96, Hol96b, HKvV95, Jac95, JcW99, Jin94, JSE97, Kla99, KNW99, Kno98, Leb99, LH95, LJG96, LS93b, MKM98, MWW96, Mei98, MWS96, MRS98, MP97, MVZ97, MA96, NWK98, NGN97, OK94, PK94, PV99, PRL+99, RC95, Sak96, SZ97, SA95, Sco96, SW99a, SWT98, Sjö95b, Smi99, SB96b, SXG99, SCT+99, Tan94, TH96a, TN98, TP97, Vad95, VO96, WTH+96, Weg97, WM94, Xu97, YCTC97, Yav97, dLMSS95, dNPT95, vL97c, vM95, Alv91, Alv92, AA90, AA91, Boy90, Boy91a, BJ90, BW90, BW91, CWG90, CWG91, CGY92, Dem92a, Dem92b, Fis90]. **scheme** [HHG91, HHG92, Kle95, LH90, LR90, LR91, MDHW92a, MDHW92b, MRS94, Nat92a, Or94, PL92a, YTS92]. **Schemes** [AD97, Abg94, Ano94s, AR97a, AE95, Bai97, BS98a, BKV98, Bih96, BS99f, BT97a, BT97b, BNW96, CGA93, CGA94, CJS99, CEG+97, DW95a, DM97b, DW95b, DL94b, ES94, EL96a, EL96b, EL97b, Eka99, Fat99, FMO98, FWBS94, Fri98, Fur99, GS97a, GMS+99, GO98, God99, GVM99, Hal97, HHF95, HP93, Har94, Har97, HEOC97, HOS93, HHM96, HS99b, Hub99, Hwa96, JS96, JL96a, JT93, Jun99, KH97, Lax97, LP97, Li97, LOC94, LO98, Mah98, MD95, Mar94a, Mar94b,

MS99b, MLVM98, MBP94, MR98, OG97, PC96, PLD97, PZC98, PC99b, RS95, Rig94, Roe97a, SMD98, Sco98, Sha99, Shu97, ST93, SH98b, SW99c, SH97, SRT98, TW93, Tei99, Thu96, TO96, Van99, VC99, VSG95, WK99b, XMP97, XH98, YYCH98, ZLOT98, Zho98, ZL93, BR92a, BR92b, BY90]. **schemes** [BY91, Car91, Dar92, Fig92, HP92, HT94, JLB90, KL97, Lay90, LRB+90, LBC+91, Lel92, MMS90b, MMS91, RM90, RM91, Rob90a, SG92a, SG92b, ST92a, SNL90, Sur94, ST92b, WR91, Wes92a, Wes92b, Yan90, YP92b, YKM90]. **schrödinger** [GCMR90, ARS91, BO92, Boy97b, BSPL96, BCR99, BCT98, CRS90, CW90, CJS99, CHW90, Cra94, EVP97, GS94, GEK+97, GKKR99, Gou96a, Jam99, KOS+96, Kou96, LRB+90, LBC+91, NC97, Osb93, PRS90, PM90, Pry94, RF90, RF91, RFH93, SB95, SY97, Sim93, Sim99, TEKC92, Tas92, TSS92]. **Schrödinger-like** [Cra94]. **Schrödinger-Type** [SY97]. **Schumann** [Wer98, KHW98, Wer95]. **Schur** [CD95b, Loe93]. **Schwarz** [DB98, Fis97]. **Schwinger** [Adh92a, Adh92b, GM95b, MP93]. **Scour** [Ush96]. **Screened** [BFO99]. **Sea** [GZ95]. **Search** [AB97, Löh95, MSV98]. **Search-Locate** [AB97]. **Searching** [Boy95a]. **seas** [LS92a]. **Second** [BHJU99, DW96b, DW97, GN96, GKZ97b, Hir97, Hof97, HL98, KPP99, MB94, RWTC95, Sco96, SNU98, STG+96, Tab96, TH96a, TS99, Tau94, TP97, Zhu95, BM92, Fri90, Hal90a, Hal90b, JW90]. **Second-** [GKZ97b]. **Second-Moment** [BHJU99]. **Second-Order** [DW96b, DW97, GN96, Hir97, Hof97, HL98, MB94, RWTC95, Sco96, SNU98, STG+96, Tab96, TH96a, TS99, Tau94, TP97, Zhu95, BM92, Fri90, Hal90a, JW90]. **Second-Order-Accurate** [KPP99]. **Section** [EOS98, hYsY96]. **Sectional** [Hel95]. **Seeking** [Abd94]. **segment** [AP90, AP91b]. **Segmented** [SR97]. **Seismic** [GM95b]. **Sekerka** [ZCH96]. **Selected** [FH97, NO93]. **Selection** [Dar95, RK99]. **Selective** [LB94]. **Self** [AK94b, AC93, BCR99, DHS91, LW94, PS93a, Sam97, YDT93, MM91b, YHW90, YHW91]. **Self-Adaptive** [AC93]. **Self-Consistent** [LW94, DHS91]. **Self-Correcting** [AK94b]. **Self-Gravitating** [YDT93]. **self-pursued** [YHW90, YHW91]. **Self-Similar** [BCR99, Sam97, MM91b]. **Self-Sustained** [PS93a]. **Semi** [Ano91n, Cas90, CW93, DS99, Ful93, HG94, Ji94, JR96, Kle95, KNW99, Kop96, NWK98, Oli94, SH94, SRBG99, Str99b, VRD99, WH98, Zho96, HWY90, HWY91, LL91, Mul92b, Mul92a]. **Semi-coarsening** [DS99, Mul92b, Mul92a]. **Semi-Implicit** [WH98, Zho96, Ano91n, Cas90, CW93, Ful93, Kle95, KNW99, NWK98, SH94, VRD99, LL91]. **Semi-infinite** [HG94]. **Semi-Lagrangian** [Oli94, SRBG99, Str99b]. **Semi-periodic** [Ji94]. **semi-spectral** [HWY90, HWY91]. **Semi-staggered** [JR96]. **Semi-Structured** [Kop96]. **semiclassical** [BG92, Bas92]. **Semiconductor** [FO93, Kul95, LWT99, MQS95, DGD90]. **Semiconductors** [BH95]. **Semispectral** [WH98]. **Sensitivity** [BB97a, GNH96, KTN+94, STG+96, DM92c]. **Separable** [EVP97, Bar94, CR91]. **Separation** [PH95a]. **Sequel** [Hir97, Lio96]. **sequence** [CV92a, CV92b]. **Sequences** [Eye96]. **Series** [GBS99, HKM96, Sho93, DD92a, LKLE90, LLEK91, RF90, RF91, VC90, VC91]. **Set**

[AS95c, AS95a, AS95b, AS97, AS99a, ABS96, BS98a, CHMO96, CMOS97, Cho93a, GGP97, HOS96, HRL99, JCHW95, LZG99, MBO94, PMO+99, Str99a, Str99b, SSO94, SAB+99, ZCMO96, ZMOW98, WDH+92a, WDH+92b, ZS92a, ZS92b]. **Set-down** [GGP97]. **Several** [BO98, FKM99, Fra95, Wit96b]. **Shadow** [Ano94t]. **Shadowing** [GE92]. **Shake** [Pal93]. **Shallow** [BD93, CN95, GNHP95, Göt99, HB97, JCHW95, Ma93a, NGN97, Pri93, STS98, SP99, TTI97, VC99, YM95, Cas90, LS92a, Nad95, Ste92b, Ste92a, TPL90, WDH+92a, WDH+92b]. **Shallow-Water** [BD93, STS98, YM95]. **Shape** [HP99, Hum96a, IS96, Ruy93, MD90]. **Shapes** [AD97]. **shared** [Nat90, Nat91]. **shared-memory** [Nat90, Nat91]. **Sharp** [FV97, GO96, GO98, PH95a, UI99, UMS99, CS91, HS90]. **Sharp-Interface** [FV97]. **SHASTA** [Zal97]. **Shaw** [BST95, HLOZ97, Whi90a, Whi90b, Whi94]. **shcemes** [YP92a]. **Shear** [CSN93, DE99, GT97, Gri94, RK95, Bue91, GG92b, KG90b, KG91, MNP90, MM91b]. **Sheared** [SCG94]. **Sheath** [PFRB93, PPBC93, SG94, PPBC92]. **Sheet** [Ber95, BLP98, EB94, NB98, PH95a]. **Sheets** [Bis95, FGM97]. **Shelf** [GZ95]. **Shell** [KB99]. **Shepard** [SRF93]. **Shift** [CJ95b, HK93a, HK92, KvdVPG95]. **shift-and-invert** [KvdVPG95]. **Ship** [SDI98, TS96, TSR92]. **Shock** [AS96, AR97a, ABS96, BL99, BKP96, CSW98, DW95b, Don94, DQ95, DM96, DFN+99, GMS+99, GO96, GO98, HHF95, HP93, Har94, LH95, Ods93, RWTC95, Shy98, SK93, Ton96, TPRC96, Yee97, YSD99, ZDD99, BM91a, BM91b, Boy91b, Boy92a, HP92, LGC92, kM90, kM91, Ods90a, Ods90b, Poy92, Rob90a, YP92a, YKM90]. **Shock-Adaptive** [LH95]. **Shock-Capturing** [BKP96, GMS+99, Shy98, Ton96, Yee97, YSD99, kM90, kM91, YP92a, YKM90]. **Shock-Cylinder** [DQ95]. **Shock-Turbulence** [AS96, HHF95]. **Shock/Turbulence** [DFN+99]. **shocked** [Lav90]. **Shocks** [IS96, JL96b, KC97, LM95, RK95, HL92b, VD90]. **shocl** [YP92b]. **shocl-capturing** [YP92b]. **Shooting** [Ji94, KEHK90, KEHK91, Or94]. **Short** [Pli95, RS99b]. **Short-Range** [Pli95]. **Sides** [OK94]. **sigma** [HWY90, HWY91]. **signals** [RS91]. **Similar** [BCR99, Lub91, MM91b, Sam97]. **Simple** [CMOS97, DW95a, DW98c, Tem96, PA95b, Ver91]. **Simplified** [GGZ93, KEHK90, KEHK91]. **Simulate** [PM99, Lub91]. **Simulated** [CDR99, RHB94, DS90]. **Simulating** [AQ98, Luk99, MA95, Mon94, SG98, SC96b, Vu96, Vu98, VBD99, ZDD99]. **Simulation** [ARV99, ALW94, Bal94a, BMGM95, BGB99, BD94a, BMJ+97, BF97, BN94, Bot96, CN95, CBL95, CF94, CCGJ95, CJR95, CB96, Chr97, CR96, Coo99, CLD+96, CS93c, COBA95, DB96, DL93, DQ95, DE99, DFN+99, DMW99, EA97, FBM93, FT96, Fis94, GBCA99, GMS+99, GSB98, GG97, GRB+95, GM95a, GH95, GKDT96, Gri94, GKL+96, GHS93b, GS97b, HMD93, HC97, HF98, Han93a, HCZ99, HK95, Hew97, HK94, HS99a, HZC+95, HC93, IR98, JZQ+95, Jor99, JLSM97, KPCJ97, KF94, KLB99, KWG94, KG92a, KG92b, KLM95, Kuh96, Kul95, Kup98, Lan97, Leb99, LL95, LPR96, MD98, Mal96b, MM91a, MPR99, MSF94, MPPZ96, MQS95,

MB96, Nun93, ÖLJ98, PFRB93, PPBC93, PVQ97, Pri95, RM93, RKJ97, RH99, RS99a, SB96a, Sal91, SKO94, SR98, SW99b]. **Simulation** [SL96, SXG99, STS+97, Swi96, SCC93b, Tan93, Tan94, Tem96, VD97a, VAVB93, WTH+96, Wel95, WK96, WKK98, WCO94, Yin96, Zab97, Zho98, ZDG95, dG92a, dG92b, dG96, vWBS+97, Ano91n, BLK90, BR92a, BR92b, BBK90, BBK91, Boy90, Boy91a, FPRB90, FPRB91, GB90, GBS+90, GBL+92, GG92b, JVR93, JE90, KMB+92b, KMB+92a, KG90b, KG91, KHM92a, KHM92b, Lif92, MD90, Nat92b, PPBC92, Poi91, Pri90, Pri91, Ram90a, Ram90b, RD91, RD92a, RD92b, RWC90, STAS91, SFB91, VAVB92, VY91, VY92, XPK90]. **Simulations** [AS95a, AS95b, ACLW97, APS97, ADS97, BS99a, BS99b, BS99c, BD96, BDS+99, BDC97, Boa97, BL94, Bro95, CD93, CD95a, Clé96, CL98b, DW98a, DW98b, DECB98, Dru99, DL94b, FBM93, Gho96, GR97, GBS99, HBF93, JVS97, Kho98, KMM96, KM97b, KMS99, KWT+97, KCV99, LB94, LIH97, LWS98, LRJ+99, MLJ97, Mat94, Mau99, Maz94, MB97, NY98, Pet94, Ram95, Ram97b, Rie99a, Ruy93, SS99b, SMSS98, Sch95b, SH98a, Sha96, SMW99, SK96, SDG94, TLW95, Wel98, Wha96, YGH97, YP98, BR92c, BR92d, But90b, CH90b, CH91, DGD90, DD92a, DMZ91, DM90, DM91b, KDL+92, LG90, LG91, MNR90, OsKB+92, PL92b, Poi92, RM90, RM91, Ros90, Sch90, Wes94]. **Simultaneous** [VD97a, VAVB92, VAVB93, YWS96, YG95, HLD92b, HLD92a]. **Sinc** [Boy92c, Kou96, Boy92b, JLB90]. **sinc-Galerkin** [JLB90]. **Sine** [AHS96, AHS97]. **Single** [AAK+93, ACT95, BES94, HK98]. **Singular** [Boy96a, CGKC93, FGM97, HS93b, Nak95, NMB94, Str96, CGKC92, JLB90, KF91]. **Singularities** [BST95, CLO93, FB94, LO93, Pri95, BM90b, BM91c, EHW90, EHW91, OB95, OGS90, OGS91]. **Singularity** [FC95, Jak93, ZP95]. **Singularly** [CMW95]. **Sinh** [Boy94]. **Sinh-Mapping** [Boy94]. **sintering** [VMK91, vdVMK92b, vdVMK92a]. **Sites** [YR93]. **Sivashinsky** [AAP97]. **Sixth** [CF99, For92a, For92b, CRS90]. **Sixth-Order** [CF99, For92a, For92b, CRS90]. **Size** [CLD+96, RK99, SGW94, WKMH97]. **Skeletons** [SW94]. **Skyrme** [CB94]. **Slabs** [SCM98]. **Slanted** [Poi91]. **Slater** [KU94, QF99]. **slender** [RIW90]. **Slip** [GHS93a, MB94, Wer95, HLB94, HL92a]. **Slip-line** [HL92a]. **Slope** [Hub99, Yan90]. **Sloping** [GGP97]. **slow** [TLES93]. **Slowly** [KC97, Rob90a, JL96b]. **Slug** [TM93]. **Small** [AF90, AF91, BCRR98, Eve96, HA93, Kel94, KLM95, LCM96, TMR92a, TMR92b]. **smooth** [Che91, HCC91]. **Smoothed** [CM99b, FQ96, GLN+99, GS97b, LSRS99, Man93b, PL93, SHA95b, WP97, Bal95]. **Smoother** [Oos97, AA90, AA91, Luc90, Luc91]. **Smoothers** [OGWW98]. **Smoothing** [AK98, Ena93, FD93, SC97, ST99]. **Smoothness** [HS93a]. **Smoothness-Enhancing** [HS93a]. **Snares** [Boy96b, Boy97a]. **sniffer** [BS92a, BS92b, BS91b]. **Solar** [LMS98]. **Solenoidal** [BS99b, BS99c]. **SOLGASMIX** [Web98]. **Solid** [Iva93, NC93, PM99, SSR96, TS99, UMS99, WDE98, GL95, Sch92c].

Solid-Liquid [UMS99]. **Solid-Water-Gas** [TS99]. **Solidification** [BDS+99, FA97, JT96, Kre98, PGD99, YZ98, Alm93, AT92, SKK90, SKK91, SH92, SS91, SS92]. **solids** [CKQ+93, TP92a, TP92b]. **Solitary** [Boy95b, Boy97b, GG90, GG92a, CWG90, CWG91, QS90, TPL90]. **Soliton** [CSZ97, HK93a, HK92]. **Solitons** [Boy96a]. **Solution** [AHS96, AHS97, AK94a, AC95, AK95, And94, AIV99, BK93, BB96, BR99, BR97a, BR97b, BK94, BTW96, BD97b, BK97a, BKV98, BFGG94, Can96, COS+98, CH99, CMW95, Cha95, CWC99, CZS98, CL93, CKSB97, Cod99, CDW99a, CDW99b, CSW95, DVD93, DNN93, DH95, EO98, ES98, Eyr95, FO93, FEO95, Fis97, För96, FS97, Fuj95, GP98a, GACN93, Gar98, GO96, GO98, GP98b, GM95b, GHKH93, HKM96, HIY95, HKNT98, HLD92b, HLD92a, HSS97, ID96, IGABB90, IABBG91, nJ93, JMR94, KT99, Kop94, KRGv93, Ku95, LPMS94, LL93b, LR94, MV99, Mik90, Mik91, MW94, MK97, MQS97, OD99, PHL93, PZC98, PBD94a, PRL+99, Pri93, Pri96, Pri98, QW93, QS98, RK93, RFH93, RIP96, SB95, SA95, STW97, SRF93, SI94, Sie99, SR97, Ste92b, Ste92a, TH96b]. **Solution** [Tho97, Tid97, TRL99, VD97a, VAVB93, VB95, VSH96, VSM99, Wer95, Win97, WLC96, YB98, YM95, YSMG97, Zha98, AM90, Adh92a, Adh92b, Ben90, BWJ90, BDR91, BL90a, BL90b, BY92, Bra92, BW90, BW91, CW92a, CW92b, CRS90, Che91, CH90a, CGSS90, CGSS91, Dar90c, Dar91b, DM91a, DM92a, DM92b, Dav91, Dav92a, Dav92b, Dur91, DEO92, FP91, Fog92b, Fog92a, GY91, Gro91, Gro92, GS93, HG91, HG92, HB90b, Kar91, Kar92, Kop90, Kop91, KS92, LGC92, LE90, LE91, MH90a, MH90b, MH91, MWJ91, MMS90b, MMS91, MB92, MS90b, MS91c, NSR92a, NSR92b, PRS90, PM90, PRMV90, QR90, Ram92a, Ram92b, Raw90, Raw91, RCAM92a, RCAM92b, RS90, Rok90, RKV90, RKV91, SKK90, SKK91, SVS90, SVS91, SSB90, SSB91, SA90a, SA92a]. **solution** [SA92b, SM92, Sto92, SK92, Tau92a, Tau92b, TKKB92, Tes92, UWSB90, UWSB91, VMK91, VAVB92, Whi90a, Whi90b, vdVMK92b, vdVMK92a]. **Solution-Adaptive** [PRL+99, SRF93]. **Solution-Based** [SR97]. **Solutions** [BKP96, BCM95a, Ben96, BGP98, BCR99, CPJ90, CM94, CM95, CK93b, ER96, Efr97, ETRW95, Fen99, GPWZ96, GS94, GMPGV96, HGFH95, JYH93, JCHW95, nJWP96, JT99, KB96, LCM96, LK94a, LK94b, LO93, NC97, NC93, Nor98, Nor95, SCM98, Sam97, SSO94, TW94, Ven95, XP94, BB91b, BBF92a, BBF92b, Boy91b, Boy92a, DD90, DD91, Gla92b, Gla92a, Gup90, Gup91, Hal90a, Hal90b, HGH90, HGH91, Kar91, Kar92, OB95, Poy92, SMM+90, SA90b, SA91, TMR92a, TMR92b, YSG91]. **Solvability** [Dar90c, Dar91b]. **Solve** [LS93a, Oos97, dFD+94, Dar93, LS92b, RLM90]. **solvent** [JB91, JBvK+91]. **Solver** [Ano97-29, AK98, Bal94b, BD99, BIAV98, BHJU99, Cle97, DW94a, DW95a, DP93, DB97, DE99, GTD98, Gla95, GKZ97a, JM98, KJ98, KPC93, KLB99, Lif96, LW94, LF96, MGM95, SP98, Sai95, She95, SM98b, SB96b, SCW94, TK96, WA95, Zha94, CMK90, DP92a, Gla91, GL96, KPC92, LPvL93, MDB91a, MDB91b, MIM90, Mul92b, Mul92a, Tou92]. **Solvers** [Bai97, BBF+99, GM96, GKZ97b, JMT97, LW96a, Mav98, Mon97b, Roe97a,

SLL94, SBGK99, STS98, VM93, Dom90]. **Solving** [Anc94, ADH+93, BL93, BBMB97, Boy95a, BPM98, CG93, CGA94, Cha95, CJS99, CWC99, CBS93, CC97, CMOS97, Cho97, DK96, Fey98a, Fra95, Gou96a, HML99, HS94, HLL99, Jam99, KOS+96, KM95, Kou96, LO96, LHI90, LMB94, LZ96, Mar94a, Mot98, MB94, MBP94, PA95a, Puc97, Sha95a, SS96c, SG94, Taf95, TZA96, VPS95, VP96, WD97, YG94, YMAC99, ZY94, ZWS98, BB91b, BBF92a, BBF92b, BL92, BJ90, CW90, Dra90, yGmC92, GC92, GMCH92, IM95, LK90, LM90c, LR90, LR91, LJT92a, LJT92b, Mar90, Mel91, RIW90]. **Some** [Dar95, FG97, GA95, HLD96, Mat97, NM95, Pet94, SWS96, SRT98, TO96, Whi94, Wit96a, BY90, BY91, CH90b, CH91, HGH90, HGH91]. **Sommerfeld** [AC95, Dvo91, DK92d, DK92a, DK92c, DK92b]. **Sonic** [AK97]. **Sound** [KCJ95]. **Source** [CC97, JM98, LeV98, PLD97, SB98, VC99, CW92a, CW92b, CGSS90, CGSS91, LY90a]. **sources** [KS92]. **Space** [BH95, BYMZY95, BD93, Cha95, CWC99, DÜ92a, HB95, Hum96b, KRGv93, PLD97, PC99a, PA95a, RFH93, SAS94, YB98, YWS96, ZRR99, dFD+94, BLMR92, Blu92, BW90, BW91, DÜ92b, HM95, HG91, HG92, Kos92, MF92, OsKB+92, Wei92, ZB92a, ZB92b]. **Space-Charge-Limited** [Hum96b]. **Space-Marching** [YB98]. **Spaces** [Mot98]. **spacing** [TA91a]. **Sparse** [DR96, KH97, MPPZ96]. **Sparse-Mode** [MPPZ96]. **Spatial** [CNG99, EM94, EM95, GS96b, KM93b, MWS96, SWS96, YL98, YG94, Ben92a, Ben92b, CNG17, DM92c]. **Spatially** [LL93a, LWS98, RM93, SZ97, Bue91, GG92b, HCP93]. **Spatially-Developing** [LWS98, Bue91]. **Special** [Ano99r, BGGT90, HMOS95]. **species** [LG90, LG91]. **Specific** [NMW+96]. **Specified** [OK94]. **Spectra** [AK99, FG97, MO95, Tak92a, Tak92b]. **Spectral** [ALW94, Ano94t, AQ99, BM94, BY94, BH96, BYMZY95, BCM95a, BGM95, BCM99a, Boy98, BCT98, CLO93, CS93a, CG96, CDF95, CMMH94, Cle97, CD95b, DBS94, DDD98, DB97, DL94a, EHW90, EHW91, EP96, EP99, FKM99, Fis97, FD99, FPQ93, FCC97, Gar98, GA96, GK94, Gir98, GDP96, Hei93, Hei98, HK95, HDL99, Hu95, ISW92a, ISW92b, JCHW95, KI99, KW93, Kop94, Kop98, LIH97, Lif96, LLT94, LQK98, LS98, Ma93a, Mah98, MM95b, MM97a, MPPZ96, NC93, Nic98, PK95, PR93a, PVQ97, Poz99, RK93, RG97, RS99a, SP98, SS96b, SSB90, SSB91, SK93, SRVK96, SMR91, Str95, SF99, Tay94, TTI97, TRL99, Ver97a, Ver97b, Wir97, YGH97, YS98a, ZY94, ZOI97, BKM90, BT92a, BT92b, BM91a, BM91b, BM90b, BM91c, CS92a]. **spectral** [CP90, CW92c, Dom90, FP91, Ful93, GCMR90, GMP92a, GMP92b, yGmC92, GC92, GMCH92, HWY90, HWY91, Hei92, KHM92a, KHM92b, Kop90, Kop91, LS92a, LD93, Lel92, MMB90, MLB92, PM90, RS91, Raw90, Raw91, Sol92, SK92, Sur94, TMR92a, TMR92b, WMG+91a, WMG+91b]. **Spectral-Boundary** [EP99]. **Spectral-Element** [Poz99]. **spectral-finite** [yGmC92, GC92]. **spectral-like** [Lel92]. **Spectral-Projection** [LS98]. **Spectral/hp** [LQK98]. **Spectral/Wavelet** [Gar98]. **Spectrally** [VM94]. **Spectrum** [GEK+97, PS93b, SPC93, SPC92, Tas92]. **Speed** [CP99, SXG99, Zho96, Tay91, TNW92a, TNW92b]. **Speeds**

[HAC97, Mar97, SCC93a]. **Spencer** [NSR92a, NSR92b]. **SPH** [CM97, CR99, LPC+93, Mon94, Mon97a, Mon97b, MFZ97, MM97b, Wel98]. **Sphere** [NC93, PNC94, RIP96, SP96, SP99, TTI97, WKMH97, Bar91b, BM90a]. **Spheres** [CKE99, Zin94a, Zin94b]. **Spherical** [DL94a, Gir97, Göt99, Jab94, JCA97, KB99, Man93b, NGN97, PDL93, RIP96, Ruy93, SNU98, SBKH92, WDH+92a, WDH+92b, YR98]. **Spherical-Gap** [DL94a]. **spherically** [CS91]. **Spin** [FHL97, RMSB96]. **Spin-Orbit** [RMSB96]. **Spine** [MA95]. **Spine-Flux** [MA95]. **Spinor** [PJ94]. **Splashing** [BMJ+97]. **Spline** [CZ98, Eyr94, Eyr95, FH94, FG90b, FG90a, Göt99, KOS+96, KMS99, Mal96b, Man93a, QF99, SM98a, UWSB90, UWSB91]. **Spline-Characteristic** [Mal96b]. **Spline-Galerkin** [Eyr95]. **Spline-Projection** [Eyr94]. **splines** [HB90b]. **Split** [DFaIM98, GCMR90, Hal97, Jac95, KNW99, YP98, GC90, Wei92]. **Split-Field** [YP98]. **split-matrix** [Wei92]. **Split-step** [GCMR90]. **Splitting** [Asl99, CB97, GVM99, HA93, HB96, HdS97, Hig99, HKR99, KF94, Lin95, LVS90, LS93b, LDB98, RK95, SS99b, Smi99, Sun96, WK99b, XMJ95, Xu99, Dem92a, Dem92b, Dic90, DD92b, IGABB90, IABBG91, KIO91, Rob90a, Shu92a, Shu90, SLV90, VM90]. **Splittings** [CD98]. **spokes** [OsKB+92]. **Sponge** [PZC98]. **spreading** [CS91]. **Spring** [CS97a]. **Spruce** [FT96]. **Spurious** [BM94, DDD98, nJWP96, LSRS99, PR93a, Vad95, Vad97, MMB90, YSG91]. **Square** [Rea97, RH98]. **Squares** [nJ93, OG97, PA95a, VSH96]. **St.** [Gla95]. **Stability** [AC95, BD93, BT97a, BBMB97, BK99, CGA93, CS99, DK98, Fab92, Gil97, GS95, GM92, HB96, KM93b, KL92b, LNR99, LLR94, LML99, Liu96a, MM95a, Mas96, Min96a, NMW+96, PC96, PVVS98, PBD94b, SMD98, Sco98, Sil92, Sil93, SC96a, SHA95b, Tay94, VSG95, WH98, WJC93, Bal95, Mal90, Nat92a, Ren92a, Ren92b]. **Stable** [AD97, AS94, BMZ95, CGA94, CNG99, CMMH94, GO96, GQ97, Hal97, HS93a, HLR99, LW96a, RFL93, ST97, Tei99, CNG17, HHG91, HHG92, Sim99, GO98]. **Stably** [PB98, YSMG97]. **Stack** [WK96, WKK98]. **stages** [SCA92a, SCA92b]. **Staggered** [AS99b, BS99b, BS99c, CH99, KK96, Kop96, Kop98, LO98, PZC98, Vel93, WSK99, vBvNW95, Ben92d, Ben92c, JR96, MH90a, SW92, ZSK94]. **Staggered-Grid** [KK96, Kop96, Kop98]. **Staging** [HBF93]. **stagnant** [MD90]. **standard** [BS91b, BS92a, BS92b, WDH+92a, WDH+92b]. **State** [Ano94s, BLG97, BBGL93, CL98a, Cra94, Ena93, Fen99, JT93, Lav93, Löt94, Shy99, Swe96, Ven95, WS96, YR93, dAT95, BB90a, BB91a, FG90b, FG90a, Kar91, Kar92, Sal91, YSG91, dG92a, dG92b]. **States** [Boy96a, CDR99, FK97, Rom97, SRVK96, Hoo90]. **Static** [SWS96, Shu95, ZDG95]. **Stationary** [DÜ92a, KKK95, vBKG97, DÜ92b, GL95]. **Statistical** [CB96, MNR90, DD92a, Val91a, Val91b]. **Steady** [Ano94s, BBGL93, CL98a, CK93a, DNN93, Ena93, ES93, Fen99, Fer95, HB97,

Hwa96, JT93, JV95, Lav93, LeV98, LL94, Löt94, RWW94, SDP97, TZA96, Ven95, YB98, Zha94, AB94, BB90a, BB91a, BJ90, CK92, Dic90, ES92, HLB94, HL92a, HL92b, IT90, JC92, Kar91, Kar92, Kor90, LH90, SKK90, SKK91, Sal91, SA90a, Tau92a, Tau92b, WR91, YSG91, dG92a, dG92b].
Steady-State
[Fen99, Lav93, BB90a, BB91a, Kar91, Kar92, Sal91, YSG91, dG92a, dG92b].
Steered [GBS99]. **Stefan** [CMOS97, SVV98]. **Stellar** [MIM90]. **Stellarator** [NMW+96, LH92]. **stellarators** [DHS91]. **stencil** [PL92a]. **stencils** [Dur91, DEO92]. **Step** [Abd95, AS99b, BS93, CM94, HL98, Jac95, JR96, KTE93, Lu99, Per93, Per95, RK99, Sha95a, Sim93, Smo98, ZSK94, Zhu95, GCMR90, KKD90, LM90a, LM91, RKV90, RKV91]. **Stepping** [CBS93, Hal97, SW99c, SH97]. **Steps** [Maz97, Ske98, Wri98]. **Stiff** [Ano94s, BPM98, Jin95, JL96a, SCW94, dM97a, LY90a, KNW99, NWK98]. **Stiffness** [HKS98, SW99c, HLS94]. **Stimulated** [GSB+93, GB90, GBS+90, GBL+92]. **Stochastic** [ACLW97, DGN97, KLM95, Pet94, Pop95, RW96a, RW96b, RSW98, SL96, WD97, BB90b, BB91c, DM90, DM91b]. **stochasticity** [FA90, FA91]. **Stokes** [ANL94, AM96, ABC+98, AB94, Arm94, AS99b, BB90a, BB91a, BR97a, BK94, BTW96, Bor91b, Bor92a, Bor92b, BLT96, BJ90, Cha95, CPJ90, CB97, CH90b, CH91, Cle97, Cod99, CJ95a, Cot90, CD95b, CMM93, DBS94, Dau92a, Dau92b, DF96, DD90, DD91, DH95, Dom90, DIV98, ETFS94, EP99, FP91, Fis97, Gar98, GTD98, GB97, Gil97, Glo92, GKM96, GHKH93, yGmC92, GC92, Gup90, Gup91, Hei92, Hei93, Hen94, HI98, Hwa94, ID96, IM95, Jac99, JB93, Joh93, JR99, KIO91, Kla99, Kop98, Kor90, KL92b, LM90a, LM91, LM97, Lee98b, LZ96, LS98, LDB98, LR90, LR91, Luc90, Luc91, MDB91a, MDB91b, MV99, MH90a, Mar94b, MH90b, MH91, MP97, NPC93, Nor96, Nor98, Nor95, NC99, Poz99, Pri95, PM98, RF95, RKV90, RKV91, RvR93, Rus93]. **Stokes** [SP98, SPC92, SPC93, SD93b, SSB90, SSB91, SNU98, STW97, She95, SS99c, SI94, Shu91, Shu92b, Shu92c, Sjö95a, SA90a, SMR91, Taf95, Tau92a, Tau92b, Tau94, TfNW91, TNW92c, TNW92d, Tid95, Tou97, Tou98, WNY93, WS93, XP94, YYCH98, ZSK94, Zha94, ZP95, ZWS98, vM95]. **Stokes/Euler** [MP97]. **Storage** [SH98b]. **Störmer** [Maz97]. **story** [Mil91]. **straight** [LH92]. **Strain** [CS97a, LCM96, LPC+93, MAS92]. **Strassen** [DHSS94]. **Strategies** [BH99, IH95, Mav98]. **Strategy** [CMW95, CBS93, ESH93, GO96, GO98, Han93a, JR96, KTN+94, MG97b, dFD+94, KvdVPG95]. **Stratified** [ALW94, BD94a, CMMH94, LW97, Pai97, PB98, SR98, Vie94, YSMG97, YWS96, Hig92a, Hig92b, WKK98]. **Stream** [AQ99, EP99, vGVO98, SC90]. **Stream-Function** [vGVO98]. **Streamfunction** [HC93, Hei92]. **Streamline** [CK93a, CKR93, Han93b, CK92]. **Streamline-Coordinate** [CKR93]. **Streamlined** [DHS94, HLD92b, HLD92a]. **Streptomyces** [DOOSM99]. **Stress** [GLN+99, Waj93, KL92b]. **Stresses** [Kal97]. **Stretched** [PG97]. **Stretching** [RF96]. **strings** [MMR90]. **Strip** [CL93]. **Strong** [BL99, BTW96, KKOF97, KB99, SW99b, Tan94, ZWS98, TP92a, TP92b, HL92b]. **Strongly** [CSW95, HSS97, LZ96, Sco96]. **Structural** [Ari97, SMW99].

Structure [Dob99, Fat99, Goe95, KB96, PDS99, RWTC95, SS99a, SK98, SBO93, WCSW99, RCAM92a, RCAM92b]. **Structured** [Kop96]. **Structures** [BH99, För96, JBA96, PGD99, DT90a, DT90b, DGD90]. **Studies** [KL93, OS97]. **Study** [AAP+95, Bry97, CGKC93, CDT98, DÜ92a, Die95, Don94, ES94, EGS96, Eye96, GBS+93, JZQ+95, KCJ95, KC93, LSLG97, LJG96, LZG99, LK98, LK99, LDB98, Qi93, RW96a, Sem97, SF96, hYsY96, YDT93, ZB96, CGKC92, CHW90, DÜ92b, Fau90, FP92, FVZ90, KG90a, KC92, LY90a, NSR92a, NSR92b, QS90, TSS92, YP92b, YP92a, YSG91]. **Sturm** [JLB90, Ji94, Kob90, Kob91]. **sub** [VD90]. **sub-subsonic** [VD90]. **subcell** [Har92a, Har92b]. **Subgrid** [Kal97]. **Submerged** [PM93]. **submergedj** [PM92]. **Subsonic** [Gri94, VD90]. **Subspace** [Mei98, VSH96]. **Substitution** [CG97b]. **Substrate** [BMJ+97]. **Subsurface** [BL98]. **Subzonal** [CS98a]. **Sufficiency** [Sco98]. **suggestions** [Bal95]. **Suitable** [PPBC93, PPBC92]. **Summation** [Ano95u, Str94]. **Sums** [JBA96, Str91, Str92a, Str92b]. **SUP** [She95]. **Supercomputer** [Swe94]. **Superconducting** [KK95]. **Superconductivity** [Pri96, Pri98, LY90b]. **Superconductor** [Rom97, ZV97]. **Superconductors** [GKL+96]. **Supercoolings** [WS96]. **superfluid** [Sch90]. **superheated** [SCA92a, SCA92b]. **superior** [DS90]. **superposition** [Cot90]. **Supersonic** [LL93b, LL94, YB98, HL92a, HL92b, LH90, YTS92]. **Support** [MRS98, SS95]. **Support-Operator** [SS95]. **Support-Operators** [MRS98]. **Suppress** [BL94]. **suppression** [AA90, AA91, SCMU92a, SCMU92b]. **Surface** [CS99, CPB96, CJR95, Clé96, CT98, Dru99, GLN+99, HML99, HS99a, KP97b, KM96, KB96, LSLG97, Löh96, Mad95, MPR99, MA95, Mon94, PDHS94, Pet96, RLT93, RS99a, SAS94, TWV97, TLW95, TM94, Vie94, ZYKC98, BKZ92, BR92c, BR92d, CYD92, CS92b, CS92c, Dol92a, Dol92b, GSY92, Got92, HLS94, Hui90, Hui91, PTM92, Ram90a, Ram90b, Rom92a, Rom92b, SE90, SR92b, SR92a]. **Surface-Induced** [KB96]. **surface-integral** [Dol92a, Dol92b]. **Surfaces** [BES94, Cho93a, CK93a, KP98, CK92, Dra90, HM90, RR90, RR91]. **SURFER** [LNS+94]. **Surgery** [LD93]. **Suspended** [Xia99]. **Suspension** [SC96b, Sul91, SB91]. **Sustained** [PS93a]. **SW** [CZ98]. **Sweeping** [ZB96]. **Swimming** [LK99]. **Swirl** [LSB96, MG97a]. **Switch** [MM97b]. **Symbolic** [Fra95, LNR99, LP90, PJ94, VSG95, SMM+90]. **Symbolic-Numerical** [VSG95]. **Symmetric** [AS94, DÜ92a, DA94, KOS+96, LV98, Nor98, SLMS98, YS98a, CS91, DÜ92b, NB98, OS90, Sch95a]. **symmetrical** [OGBSK90]. **Symmetrically** [SG94]. **Symmetries** [FWWD94]. **Symmetry** [AAP97, CW98, MS99a, SE98, hYsY96, YR93, BLK90]. **Symmetry-Breaking** [hYsY96]. **Symmetry-Preserving** [MS99a]. **Symplectic** [CD93, HA93, LS94, Oku95, VM97, CR91, MMS90b, MMS91]. **Synchronous** [SS96a]. **Synopsis** [Rie94b]. **System** [BD94b, CM95, DW98a, HD97, HLL99, HC93, MR98, SH94, SCW94, Tan94, CGSS90, CGSS91, FP92, LT91, LT92, LH92, SH92, SV91, SFB91]. **Systematic** [CG97a, FK90, Rob90b]. **Systems**

[AS94, Anc94, Ano94s, AKW93, BFW98, BMGM95, BL98, Bru93, BCT98, CG97a, CGA94, CA93, CSZ97, CS98b, CDT98, DW95a, DW96b, ER96, Ena93, Eve96, FMO98, FHL97, GKDT96, GTA99, HGFH95, JDC94, KOS+96, LeV97, LS94, LLT94, MBP94, Noe94, PQ94, SO95, Str95, Tan94, TS99, WDE98, Wit96a, YDT93, Zha94, ZWS98, AF90, AF91, BB91b, BBF92a, BBF92b, BBK90, BBK91, Bru92, CK90a, Har92a, Har92b, Hoo90, Kob90, Kob91, LO91a, LO91b, Lub91, MMS90b, MMS91, MF92, PL92a, RKV90, RKV91, Row91, SKK90, SKK91, SW92, STAS91, Shu92a, Tho90, tVB92a, tVB92b]. **Systolic** [Bru92, Bru93, BF91].

T3D [WKHS97]. **Tables** [KU94, Swe96]. **Tamm** [MP93]. **Tan** [Boy91b, Boy92a]. **Tangent** [Poy92]. **tangential** [RLM90]. **tangle** [But90b, Sch90]. **Target** [SB98]. **Tau** [DDD98, MMB90, Wer95]. **Taylor** [AQ98, ABLD94, Bar91a, Dar95, Dar96, HCZ99, KG92a, KG92b, Kup98, LJG96, MD95, MD90, Mot98, SO95, Sch95b, SK90]. **Taylor-Expansion** [Sch95b]. **Taylor-vortex** [SK90]. **Tcherenkov** [ADS97]. **Tearing** [CGKC93, CGKC92]. **Technical** [Bar94]. **Technique** [AH99, ART95a, ART95b, ARTAAA97, CB96, Dur93, HP99, JR96, JLSM97, KL93, LW96b, Nun93, PJ94, Rea97, RG97, SSR96, SBO93, Wit96a, YL98, ZWS98, AAP+95, Cha90, Dau92a, Dau92b, DK92a, DK92b, HG91, HG92, HL90, HL91, Kan92, KL92a, Val91a, Val91b]. **Techniques** [AS94, APS97, BH96, CN95, CO95, ID96, Tid97, WVHS98, BLMR92, Blu92, DeV91, HGH90, HGH91, SK92, ZS92a, ZS92b]. **Telescoping** [LRW95]. **Temperature** [BLL99, CJ95b, Gag98]. **Temporal** [AM96, CRRR97, RS99b]. **temporally** [Bar91a]. **Tension** [Pet96, BKZ92, HLS94, SE90]. **Tensor** [Man93a, Waj93, dAT95, MAS92, OGBSK90]. **Term** [Ara97, KLBD93, Lil97, CGSS90, CGSS91]. **Termination** [Pet98]. **Terms** [CSW95, Efr97, HI98, JM98, Jin95, JL96a, LeV98, MWW96, PLD97, VC99, CHW90, LT91, LT92, LY90a]. **Terrain** [PR93b]. **tessellation** [Zan91]. **Test** [JCHW95, BS91b, BS92a, BS92b, WDH+92a, WDH+92b]. **Testing** [BFGG94, MDA91]. **Tests** [LSRS99, MKM98, PO90, PO91]. **Tetrahedral** [Gil97, PK94, SK96]. **Their** [Boy97b]. **Theories** [KB96, lX98]. **Theory** [AFH94, Boy97b, CMK90, EVP97, Eyr94, GM98, Hof95, Hof97, LB93, MBI+97, NY98, PC99b, PX93, UL98, VSG95, XP94, lX96, lX97, Xu99, LGC92, May92b, May92a, RNSV91, Rok90, Rus90, Str91, Str92a, Str92b]. **Theory-Based** [Xu99]. **There** [KHW98, Wer98]. **Thermal** [HMD93, HCD98, KRGv93, LEI96, Zin94b, CW92a, CW92b]. **Thermally** [FMO97, MLB92]. **Thermo** [PVVS98]. **Thermo-Lattice** [PVVS98]. **Thermoacoustic** [WK96, WKK98]. **Thermocapillary** [LSLG97]. **Thermodynamically** [Swe96]. **Thermodynamics** [LPP99, WCO94]. **Thermomechanical** [BMJ+97]. **Thick** [WCSW99]. **Thick-Restart** [WCSW99]. **Thickness** [BCM99b]. **Thin** [BCM99b, Bis95, Hel96, LNR99, Pri98, Sch95a, LY90b]. **Third** [Boy97b, MS93, TL98]. **Third-** [TL98]. **Third-Derivative** [MS93].

Third-Order [Boy97b]. **Thomas** [Gro91, Gro92, Hof95]. **Threaded** [Kho98]. **Three** [AS95b, AR93, ABC94, AS99b, ADH+93, BY94, Ber96, BO96, BM90a, BLP98, BS98b, CS99, CE97, CF98, CF99, DW97, DR96, DW93, DIV98, DL94a, EO98, ES93, EGS96, Fis94, Gel99, GG97, GB97, GM98, GLN+99, KT99, KG90b, KG91, KKOF97, LJG96, LPC+93, LL94, MD95, MLBW97, OK94, PDHS94, RKJ97, RHT96, SH99, Sch96, SLMS98, SBC99, ST93, Tan93, Tan94, VO96, Vu98, WSK99, WL93, WWW95, XMP97, YYCH98, YTS92, ZLOT98, ZB96, Zha98, ZYKC98, Bar91b, Bil90, Bue91, CPJ90, CGR99, ESM98, ES92, FVZ90, Gre91, Gre92a, Gre92b, HSN90, HB90b, KG90a, LS92a, PPM92a, PPM92b, RCAM92a, RCAM92b, RG90, RIW90, ST92a, SA92a, SA92b]. **three-body** [HB90b]. **Three-Center** [SH99]. **Three-Dimensional** [AS95b, AR93, ADH+93, BY94, Ber96, BO96, BS98b, CS99, DW97, DR96, DW93, DIV98, DL94a, EO98, ES93, EGS96, Fis94, Gel99, GG97, GB97, GM98, GLN+99, KKOF97, LJG96, LPC+93, LL94, MD95, MLBW97, PDHS94, RKJ97, RHT96, SLMS98, SBC99, ST93, Tan94, VO96, Vu98, WSK99, WL93, WWW95, YYCH98, ZLOT98, ZB96, ZYKC98, BM90a, KG90b, KG91, XMP97, YTS92, Bar91b, Bil90, Bue91, CPJ90, ESM98, ES92, Gre91, Gre92a, Gre92b, HSN90, KG90a, LS92a, PPM92a, PPM92b, RCAM92a, RCAM92b, RG90, RIW90, ST92a, SA92a, SA92b]. **Three-Phase** [CE97]. **Three-Point** [CF98, CF99]. **Threshold** [DS90]. **Thruster** [RHT96]. **Tidal** [Lya99, YS98a]. **Tide** [KD97]. **Tides** [Boy96b, Boy97a, LG94]. **Tikhonov** [WKMH97]. **Time** [AN98, AS94, Ano97-29, AIV99, Ben96, BKV98, BS93, Bis95, BGP98, CBL95, CGA94, CDF95, CBS93, CM94, CM95, Clé96, Cod99, DZ96, EOS98, GA95, GG97, GP98b, Gre94, GK96, GBS99, Hal97, HG94, HT95, HPS92b, HDL99, HdS97, Hig99, HK94, HL98, JT93, KTE93, LP97, LZ96, MML98, Mar94b, Maz97, NC97, OP97, ÖLJ98, RD92a, RD92b, Rei99, RK99, Rob99, Rom97, SB95, SNU98, Sha95a, Sha96, Sha99, Sho93, Ske98, Smo98, SB96b, SW99c, SWD95, Sun96, SH97, TCS97, Tho90, VM97, Wri98, XMP97, ZLOT98, ZSK94, AF90, AF91, BYMZY95, Cha95, CWC99, CH90b, CH91, CM91, DÜ92a, DÜ92b, DD92a, Dra90, HT94, ISW92a, ISW92b, LKLE90, LLEK91, LM90b, LHI90, LRB+90, LBC+91, PA95a, RD91, SM92, Sto92, TEKC92, VC91, Wat92b, Wat92a]. **time** [YSG91, Zan91, ZRR99, dFSS92]. **Time-** [AN98]. **Time-Dependent** [AIV99, CBL95, GP98b, GK96, HG94, HK94, LP97, NC97, OP97, Rom97, SB95, SNU98, Sha99, SWD95, TCS97, ZSK94, Tho90, XMP97, CH90b, Dra90, LHI90, LRB+90, TEKC92, Wat92b, Wat92a]. **Time-Domain** [Bis95, Clé96, DZ96, EOS98, HDL99, ÖLJ98, Rob99, Sha95a, Sha96]. **Time-Harmonic** [HT95]. **Time-implicit** [RD92a, RD92b, RD91]. **Time-Marching** [LZ96]. **Time-Periodic** [BGP98]. **time-resolved** [LKLE90, LLEK91]. **Time-Stable** [CGA94]. **Time-Step** [HL98, Smo98]. **Time-Stepping** [SW99c]. **Time-Symmetric** [AS94]. **times** [LKLE90, LLEK91, VC90]. **timestep** [AF90, AF91]. **Timestepping** [RH91]. **Title** [Ano95t, Ano96w, Ano97-28, Ano98-27, Ano99-28]. **Today** [Sch99].

tokamak [HG92, KPC92, KC92, TT90, TT91, Zan92a, Zan92b, HG91, KL93, KPC93, KM95, KC93, TS98, WJC93, Zan97]. **Tokamaks** [BK99, TA91b, GLM+90, TAD92a, TAD92b]. **Tomography** [HP99, Yor90]. **Tool** [LNR99]. **Topography** [SH94, UWH99]. **Topography-Following** [SH94, UWH99]. **Topology** [Mat97, MG97b]. **Toroidal** [CGKC93, ESH93, EH93, KPCJ97, PBD94b, SS96b, VM96a, CLJ+90, CHL+90, CGKC92, HCJ92a, HCJ92b]. **Total** [CBSW98, Cod99, TO96]. **totalistic** [BRR92]. **Tracer** [OP97, Löh90, LA90]. **Tracing** [Ben96, Rie99b]. **Track** [BST95]. **Tracking** [ALTP98, BW95, DL94b, FB94, GT97, GLN+99, JT96, LS96, PAB+97, QTL98, RK98, Wel95, KHM92a, KHM92b, RT92, UT91, UT92b, UT92a]. **Traditional** [MW97]. **Trajectories** [Bal94a, GSB+93]. **Transfer** [AN98, BL99, BR99, DW98a, Fra95, KI99, MWS96, PNC94, Sie99, Wel95, dG96, BKP91, Sal91, SM92, Sto92, dG92a, dG92b]. **Transform** [BCT98, JCHW95, Osb93, UL98, BO92, Osb90, Osb91, PO90, PO91, Boy92d, Tak92a, Tak92b]. **Transformation** [SPC93, SPC92]. **Transformations** [SH99, Spe95, GE92, HS90]. **Transforms** [Gue94, PDL93, vNZ94, SBKH92, SBKH92, Sor95]. **Transient** [NC93, PNC94, ESM98]. **transistor** [RCAM92a, RCAM92b]. **Transition** [BJ95, HRL99, LL95, PV93, RM93, ZDD99, Zho98]. **Transitional** [PM98]. **transitions** [Bar91a]. **Translation** [lX98, ESM98]. **Transmembrane** [DMW99]. **Transmission** [ZLP97]. **Transonic** [WLC96]. **Transparent** [AE98, SY97]. **Transpiration** [YG95]. **Transport** [ACT95, AMP+98, Azm99, BH95, BB97b, EG95, FO93, Fey98a, FWBS94, FD93, GP98a, GMM99, JFH+98, KL93, KRGv93, Kuh96, Kul95, KST90, KST91, LW95, LNR99, Li97, LSRS99, MH94, MKM98, PFS98, SZ97, SS94, SS96a, STW97, SCT+99, STS+97, Tol94, TO96, UL98, YWS96, Zal97, ZWS98, Bor91a, BLA92a, BLA92b, CYD92, DeV91, DHS91, Dra90, Fig92, Gra90, KG92a, KG92b, KS92, Lay90, Nic93, RS90, SG90, Val90, Zan92a, Zan92b, ZDG95]. **transport-element** [KG92a, KG92b]. **transputer** [BF91]. **Trapped** [GSB+93]. **Traps** [Boy96b, Boy97a]. **Travel** [Ben96, Due93]. **Traveling** [Nic98]. **traversals** [Her90]. **Treat** [ADS97]. **Treating** [NC95, OGS90, OGS91]. **Treatment** [CNG99, Dor99, FC95, FJ98, LM95, kM93a, MLS99, PR93a, RF90, RF91, VC99, BM91a, BM91b, BM90b, BM91c, CNG17, Kal91, Kal92, LBC+93, kM90, kM91, Mao92b, Mao92a, SE90]. **Treatments** [CGA93, LW96a]. **Tree** [Bar90, CDM98, Kho98, Str99a, Str99c, Her90, Mak90a]. **Tree-Based** [Str99a]. **Tree-Code** [CDM98]. **Treecode** [SW94, Mak90b]. **Trefftz** [BR99]. **Trends** [FH97]. **Trial** [BK94]. **Triangle** [Dur91, DEO92, Dur93, Tho97, Win97]. **Triangular** [DS97a, Hei98, HS99b, Hum96b, JV95, LWC93, MK90, PV99, RWW94, Wan97, YMAC99, ZL93]. **Triangular-mesh** [MK90]. **Triangulated** [BS98a, Hui90, Hui91, RS94b]. **Triangulation** [KP98, Mav95, Reb93, Mav90]. **Triangulations** [Löh96]. **Trigonometric** [JBA96]. **Trinucleon** [BD94b]. **TRIPIC** [MK90]. **Truly**

[Oli94]. **Truncating** [YL98]. **Truncation** [HI98, JC92, LT91, LT92]. **Tube** [EOS98, ÖLJ98]. **Tubes** [Bal94a, MD90, VD90]. **tunnel** [XPK90]. **Tunneling** [CCGJ95]. **Turbulence** [AS96, DFN+99, Gho96, HHF95, LZ96, Mal96b, RM93, Sco96, SCG94, Tem96, Wal94, KL92b, Sch90]. **Turbulent** [ARB96, BLG97, CM94, CR96, DW93, DS97b, DE99, EM94, Fis94, GM95a, Gri94, HK95, HS99a, KMM96, KM97b, KMS99, LWS98, MD98, MPPZ96, MJPC99, PVQ97, Pop95, Pri95, PM98, RHB94, SR98, SC96b, Ush96, WP97, Wel98, XP99, DM92c, KHM92a, KHM92b, RM90, RM91, TMR92a, TMR92b]. **Turkel** [NGN97]. **TVD** [AD93, AR97b, HHF95, JP95, JT93, LJG96, Tan94]. **TVD-like** [AD93]. **TVD/AC** [LJG96]. **Twinning** [HRL99]. **Twisted** [Kla96]. **Two**
[AC95, AS95a, ACLW97, Ara97, AD93, BM94, BGB99, BBMB97, Boy98, Bro95, CS93a, CZ98, CMW95, CA93, CM99a, Clé96, Cle97, CEG+97, CDT98, CRRR97, Cra94, DW97, Die95, Dri97, DE99, DA94, Dur93, Eyr94, FAH97, FKM99, FJGP94, FCC97, Gel99, GB97, HBF93, HOS93, HKNT98, Her93, HK94, HSZ+97, HB97, HLL99, IH95, IS96, JH97, Jac99, KKK95, KPC93, LO96, LBB94, LS96, LL96, Lil97, LMB94, MBV93, kM93a, MPG92a, MPG92b, MB97, NMB94, NGN97, Nor98, Pai97, PB98, PBBS95, Pen95, PMR97, PL98, RCA93, RL97, RS90, SH99, Sai95, SH92, SVV98, SBGM92, SM98a, SW96, SSO94, SAB+99, TSW95, TN98, TP97, TO98, TK96, TM93, UWH99, VD97a, Ver97a, Ver97b, VS95, VG92b, VG92a, Wel95, Wel98, Wha96, YWS96, ZHR97]. **Two** [ZZ98, dAT95, AS90, AS91, BRR92, Bar91b, BKM90, Bor91a, BLA92a, BLA92b, But90a, CS92a, Cas90, CKQ+93, DZ91, DP91, DP92b, DP92c, Fig92, Fog92b, Fog92a, yGmC92, GC92, GMCH92, Hor90, Hor91, HL90, HL91, Jac90, KPC92, LHI90, LPvL93, Mak90a, Mao92b, MMS90a, MF92, QR90, RCA92, RH91, Rok90, SC90, SKK90, SKK91, SMR91, VMK91, vdVMK92b, vdVMK92a]. **Two-** [DW97, Gel99, GB97, Bar91b]. **Two-Body** [Cra94]. **Two-Dimensional** [AS95a, ACLW97, Ara97, AD93, BGB99, Bro95, CS93a, CZ98, CA93, Eyr94, FAH97, FKM99, FJGP94, FCC97, HOS93, HKNT98, HK94, HB97, HLL99, IH95, IS96, JH97, KKK95, KPC93, LS96, Lil97, LMB94, kM93a, MB97, NMB94, NGN97, Pai97, PB98, PBBS95, RCA93, SVV98, SM98a, TSW95, TN98, VD97a, Ver97a, Ver97b, VS95, Wel98, Wha96, ZZ98, SH92, SBGM92, AS90, AS91, BRR92, BKM90, Bor91a, BLA92a, BLA92b, CS92a, Cas90, CKQ+93, Fig92, Fog92b, Fog92a, yGmC92, GC92, GMCH92, Hor90, Hor91, HL90, HL91, KPC92, LHI90, LPvL93, Mao92b, RCA92, SC90, VMK91, vdVMK92b, vdVMK92a]. **Two-Fluid** [DE99, TK96]. **Two-group** [VG92b, VG92a]. **Two-Layer** [CRRR97, Die95]. **Two-Level** [PL98]. **Two-Nucleon** [dAT95]. **Two-Phase** [BBMB97, CM99a, CEG+97, CDT98, DA94, Jac99, LL96, PMR97, SSO94, SAB+99, TP97, TM93, Wel95, RS90]. **Two-Point** [AC95, CMW95, Pen95, MPG92a, MPG92b, Jac90, QR90]. **Two-Way** [CM99a]. **Type**
[BT97b, BL93, BO98, BCT98, CS98a, GC95, Gou96a, GKL+96, GS97b, Hub99, KK95, MBF94, MR98, Pri98, Rom97, Sai95, SY97, Shy99, XH98,

Bar91b, BL92, GM92, Kla99, Kle95, KH97, Mar90, Shu92a, Wei92, EMRS91].
Type-II [GKL+96, KK95, Pri98].

Uhlenbeck [FK90]. **Ultimate** [Hir97, vL97c]. **Ultra** [CJ95b, SKR+93]. **Ultra-Low** [CJ95b]. **Ultra-relativistic** [SKR+93]. **Ultrarelativistic** [CM97]. **Unbounded** [HPG98, MM97a, RL97, CW92c, LM90c]. **Uncertain** [DGN97]. **Unconditionally** [GQ97, HLR99, RFL93]. **Unconstrained** [BCM99b, PDS99]. **Unconventional** [KL97]. **Under-resolved** [Bro95, MB97]. **Underwater** [AE98]. **undetermined** [Ram92a, Ram92b]. **Undulatory** [LK99]. **Unfactored** [ZB96]. **Unfolding** [WKMH97]. **Unforced** [PV93]. **Uniaxial** [YP98]. **Unified** [AS95a, AS95b, AS97, BW98, Fuj95, HLL99]. **Uniform** [CS92a, CS93a, JCA97, SB96a, SCM98, BK93, MS91b, MS92b, MS92a, RCA92, RCA93, vBvNW95]. **Uniformly** [HEOC97, HOS93, Shu97]. **Unipolar** [Fen99]. **Unit** [Rea97]. **Unknown** [LL99, Nor95]. **Unlimited** [OG97]. **Unnested** [LS93a, LS92b]. **unpwind** [Tay91]. **Unsplit** [DW97, PLD97, Sal94]. **Unstable** [KO98]. **Unsteady** [AR97a, AR97b, CJM97, DF96, EL96a, EOS98, FH98b, HC97, HF98, JB93, JR96, LEI96, LZS98, MW97, Mar94b, MW94, PBC+95, PH95a, Rig94, SCM98, SK98, Taf95, VM96b, WL93, Xia99, CKQ+93, Dol92a, Dol92b, yGmC92, GC92, GMCH92, HPS92a, HPS92b, MGP91, Ram90a, Ram90b, RKV90, RKV91, SH92, She90, She91, WK96]. **Unstructured** [Abg94, ABLD94, And94, ARB96, CKE99, Fri98, Gil97, Gir98, HK95, Hub99, KJ98, KPP99, LS93a, Löh95, LQK98, LBL98, Mad95, Mav98, Mei98, OS98, OG97, Reb93, SLMS98, Tan94, TPRC96, VM93, Ven95, VM96b, LS92b, Löh90, LA90, SAB95]. **update** [RWC90]. **updated** [KvdVPG95]. **upon** [Ano99-30, CHR99]. **Upper/Approximate** [BNW96]. **Upwind** [CL98a, CEG+97, FO93, FMO98, Li97, LWC93, MRS94, OGWW98, PRL+99, Rav97, Sal94, SMD98, Shu91, Shu92b, Shu92c, SM92, Sto92, TfNW91, TNW92c, TNW92d, Tol94, TL98, VC99, Weg97, ZB96, BY90, BY91, Col90, NSR92a, NSR92b, ST92b, TNW92a, TNW92b]. **Upwind-Biased** [Li97]. **Upwind-Relaxation** [ZB96]. **Upwinding** [Fey98a, Fey98b, GNHP95, HL98, HB97, LP97, LR98, Noe94]. **Use** [BL99, GMS+99, Gou96b, KS94, LPvL93, Mit92, PSL99, PC98, Swi96, Waj93, BS91a, Gre90, HCP93, KKD90, SAB95]. **Useful** [KP97a]. **Using** [ART95a, ART95b, AR93, AMP+98, AIV99, BS99b, BS99c, BH96, BCM95b, BKP91, Ben96, BCM99b, Bru93, CN95, COS+98, CS93b, CM99b, CDW99b, Coo99, CEG+97, CV97, DNN93, DÜ92a, DFFG96, DK98, DE99, GBCA99, GPWZ96, GÖAY95, Han93a, HOS96, Her93, Jac99, oJ95, JR96, KD97, KB96, Knu95, KW93, KLM95, LCM96, LEI96, LW96b, LK94a, LL96, LRW95, Mad95, MD95, MKM99, MS99a, Mat97, MQS95, MS99b, MFZ97, MLBW97, MQS97, MA96, PM93, PGD99, QS98, Rav97, RS99a, RT94, SH99, SK98, SH98a, SCR97, SHF97, SH94, SG98, TLW95, TRL99, WP97, XMP97, YH95, YSD99, ZC94, ZB96, ZMOW98, ZWS98, Bey91, Bey92, BE91, BE92a, BE92b,

BF91, Bru92, BS91b, BS92a, BS92b, DD90, DD91, DÜ92b, ESM98, HWY90, HWY91, HLB94, HHG91]. **using**
[HHG92, HLD92b, HLD92a, HS90, KG92a, KG92b, KL92b, MKM04, Mav90, MW93, PM92, RM90, RM91, SH92, SCMU92a, SCMU92b, Ste92b, Ste92a, SK92, TfNW91, TNW92c, TNW92d, YTS92]. **Utilizing** [CBSW98].

V [Hir97, CS98b]. **vacancy** [MH92]. **Vacuum** [TH96a, Hor90, Hor91]. **Vaguelette** [FS97]. **Validation** [JT99, VY91, VY92]. **validity** [Sch90]. **Value**
[AC95, CLO93, CMW95, DS94, NM95, Pen95, ST97, TKT97, BDR91, For90, Jac90, Or94, QR90, Ram92a, Ram92b, UWSB90, UWSB91, YHW90, YHW91]. **Valued** [PZ98]. **Values** [Fri98, BRL91]. **Vapor** [EGS96]. **Variable** [ABC+98, AIV99, CLD+96, HKM96, KL93, OS98, PAB+97, RFH93, Sak96, SBGK99, Sim93, SR99, XS93, BM92, Ben90, Dar90b, HCP93, KKD90, MH90b, MH91, SV91, SA90b, SA91, SA92a, SA92b]. **variable-density** [BM92]. **Variable-Size** [CLD+96]. **Variable-Step** [Sim93, KKD90]. **Variables** [Dor99, Han93b, LL96, HN95, RP90, RP91]. **Variant** [DHSS94, PQ94]. **Variation** [TO96, Adh92a, Ver91]. **Variational** [Alm93, BD94a, CI97, GLM+90, Lya99, Pri96, SR92b, SR92a, WDE98, ZCMO96, ZMOW98, dAT95, Adh92b, GL95, TLES93]. **Variations** [AS99b]. **Various** [BD93, CE97]. **Varying** [HB95, Ske98, Wri98]. **Vector** [CB97, EL97a, Eye96, GVM99, Knu95, LDB98, RK95, SSW98, Shi93, WONM96, XMJ95, lX98, DLMN91, DLMN92b, DLMN92a, MGP91, Par90, Pri90, Pri91, VM90]. **vector-efficient** [Par90]. **Vectorising** [HCC91]. **Vectorization** [Boy90, Boy91a, Her90, Mak90b]. **Vectorized** [Löh95, Löh90, LA90]. **Vectors** [Bai97, Roe97a, YR93]. **Velocities** [AS99a]. **Velocity** [CJR95, Cle97, DH95, EL97b, EM95, ES93, GN96, GHKH93, Hwa94, JR99, Kla99, MD95, MG96, MM98, NP94, OP97, Pal93, SH98a, ST93, SW99b, TK99, WWW95, Ben90, Dau92a, Dau92b, ES92, GS93, MD90, Nad95, OsKB+92, SV91, ST92a]. **Velocity-Impulse** [EL97b]. **Velocity-Scaled** [SH98a]. **velocity-space** [OsKB+92]. **Velocity-Vorticity** [Cle97, DH95, GHKH93, Dau92a, Dau92b]. **Venant** [Gla95]. **Verlet** [Gre94, Pal93, SW99b]. **Version** [CLO93, RPB99, Sch92b, Sch92a]. **Vertex** [CMM93, KW92, MRS94]. **Vertex-centered** [KW92]. **vertical** [HWY90, HWY91, MD90]. **Very** [LM95, SW96]. **via** [AAP+95, ARV99, ABLD94, Azm99, BH98, BS99d, CG97b, Cho93a, EVP97, GACN93, Gla92b, Gla92a, GNH96, JB95, Kan92, KL92a, Kou96, OP97, SK90, SBKH92, STG+96, YG95]. **vibrational** [GC90]. **Victor** [NP92]. **View** [Dra90]. **View-factor** [Dra90]. **Virtual** [SB96a, ZC94]. **Viscoelastic** [Bot98, HC93, Kup98]. **Viscoplastic** [Sil93, Sil92]. **Viscosities** [AD93, JL96b]. **Viscosity** [ALW94, BL99, Ben96, Bih96, Boy98, CSW98, Cot96, Efr97, Kab96, MM97b, ZWS98, GG92b, MW93]. **Viscous** [AC93, BH96, BLG97, BS96, CM93, Cho97, DNN93, EL96a, EL97a, Edw96a, GG97, GNH96, GQ97, Han93a, HW96, Jac95, JV95, Kop94, KLP94, LQK98,

LKK99, MB99, MG97a, Mav98, Mei98, MB94, Puc97, RG97, RWW94, RH99, SDP97, TZA96, TPL90, Tsy95, VRD99, WK99a, WWW95, Xia99, YMUS99, YG95, BP90, Fis90, GHS93b, HLB94, Har92a, Har92b, Kal91, Kal92, LGC92, MGP91, MM91b, Mav90, Nat92b, PL92b, Poi92, Ram90a, Ram90b, RIW90, Sch92c, SBGM92, SA92a, SA92b, Tay91, TNW92a, TNW92b, UT91, UT92b, UT92a, VMK91, YKM90, vdVMK92b, vdVMK92a]. **Viscous-Inviscid** [YG95]. **Viscous/Inviscid** [AC93]. **Visualization** [Shi93]. **Vlasov** [GRB+95, BGB99, GB90, GBS+90, GBL+92, GBS+93, Her93, Hol96a, KDL+92, KF94, MSF+95, Nun93, SH98a, SRBG99]. **Voiding** [LZG99]. **Voltage** [MQS95, XPK90]. **Volume** [AL97, Ano93m, Ano93n, Ano93p, Ano93q, Ano93r, Ano94m, Ano94n, Ano94o, Ano94q, Ano95p, Ano95q, Ano95s, Ano96p, Ano96q, Ano96r, Ano96s, Ano96t, Ano96u, Ano96v, Ano97s, Ano97t, Ano97u, Ano97v, Ano97w, Ano97x, Ano97y, Ano97z, Ano97-27, Ano98s, Ano98t, Ano98u, Ano98v, Ano98w, Ano98x, Ano98y, Ano98z, Ano99s, Ano99t, Ano99u, Ano99v, Ano99w, Ano99x, Ano99y, Ano99z, Ano99-27, BS99c, BGH+99, CA93, Dur93, FT96, GS97a, GLN+99, Her93, Hub99, KPP99, Kob99, Leb99, LWC93, MW97, Mat97, Mei98, MW94, MG97b, PK94, PS93a, PP93, RK98, Sai95, SLMS98, SBGK99, SC96b, Tan94, WK99b, XMJ95, lX97, ZRR99, vL97b, Ano90i, Ano90j, Ano90k, Ano90l, Ano90m, Ano90n, Ano91h, Ano91g, Ano91i, Ano91j]. **volume** [Ano91k, Ano91l, Ano92e, Ano92f, Ano92g, Ano92h, Ano92i, Ano92j, Ano93o, Ano94p, Ano95r, HHG91, HHG92, HM90, JC92, May92b, May92a, Tay91, TNW92a, TNW92b, Ano99-30, GKG95]. **Volume-of-Fluid** [GLN+99]. **Volume/Newton** [LL96]. **Volume/Particle** [MJPC99]. **Voronoi** [MA93b, Zan91]. **Voronoĭ** [Her93]. **Vortex** [ABC94, Ber95, BLP98, But90b, Cho93b, Cot96, DD95, EB94, GG97, GKL+96, HOS96, KK95, KCJ95, KLP94, Kou97, LSB96, MKM99, MH93, NB98, Nor96, PH95a, Qi93, Rus93, SvD96, Str96, Str97, SP96, WL93, BP90, BLK90, But90a, But91, Cho90a, Cho90b, DZ91, Fis90, HM95, KG90a, KG90b, KG91, LR90, LR91, MKM04, Nor91a, Nor91b, RS94b, SK90, Sch90]. **vortex-tangle** [Sch90]. **Vortical** [RL97, HPS92a, HPS92b]. **Vortices** [Chr97, Zab97, Bar91a]. **Vorticity** [AQ99, CPB96, CM99a, Cle97, DH95, Duk91, DM92d, DM92e, EL96b, EL97a, EP99, ES92, ES93, FC95, GN96, GHKH93, MKM98, MG96, MG97a, MM98, NPC93, TK99, WWW95, But90a, Dau92a, Dau92b, GS93, GMCH92]. **Vorticity-Stream** [EP99]. **Vorticity-Vector** [EL97a]. **Vorticity-Velocity** [ES93, GN96, TK99, WWW95, ES92, GS93]. **Vries** [Boy96a, CK90a, HKR99, KL97, Osb90, Osb91, PO90, PO91, Sch92b, Sch92a].

Waals [Shy99, WKHS97]. **WAF** [BT97b]. **WAF-Type** [BT97b]. **Wakes** [TS96, TSR92]. **Walk** [HB95, Zan99, HCP93]. **Wall** [KMM96, CBL95, MB99]. **Wall-Bounded** [KMM96]. **walls** [AN90]. **Warming** [Cha90]. **Water** [AQ98, BD93, CN95, CLNT98, DZ96, GNHP95, Göt99, HB97, JCHW95,

Luk99, Ma93a, NGN97, Nic98, ÖM95, Pri93, STS98, SP99, TH96a, TS99, TTI97, VC99, YM95, Cas90, Nad95, Ste92b, Ste92a, WDH+92a, WDH+92b]. **Watson** [Reb93]. **Wave** [AHH94, Asl99, BES94, CSW98, CH99, CP98a, CL93, Don94, ETRW95, FEO95, FKM99, FD99, FCC97, GS97a, GSB+93, GP98b, HT95, HPG98, HHR99, KI99, LNR99, LS96, LeV97, LeV98, Leh99, Löt94, Lya99, Nic99, Osc94, Qi93, Ram97a, RF96, SCG94, SK93, Ske98, SDI98, TS96, TS99, WJTP96, Wri98, YGH97, YP98, ZZ98, ZS97, Ben90, BR92c, BR92d, CLJ+90, ESM98, FM92, Fra92, GG90, GG92a, Glo92, Ods90a, Ods90b, WMG+91a, WMG+91b, dFSS92]. **Wave-Current** [FCC97]. **Wave-like** [Leh99]. **Wave-Propagation** [LeV98]. **Wave-Scattering** [CL93]. **Wavecodes** [Sil93, Sil92]. **Waveforms** [BGH+97, BGH+99]. **Waveguides** [Lu99]. **Wavelet** [BK97a, CZ98, EM94, EHM97, FS97, Gar98, GPWZ96, HJ98, RL95, VPS95, VP96, VP97, WA95]. **Wavelet-Galerkin** [RL95]. **Wavelet-Vaguelette** [FS97]. **Wavelets** [EM95, LAE98, PC98, QW93, ZLP97]. **Wavenumber** [Li97]. **Wavenumber-Extended** [Li97]. **Waves** [AQ98, ALW94, BD93, BDC97, Ber96, Boy95b, Boy97b, CLNT98, Clé96, CS93c, DZ96, Duk95, EM95, GRB+95, LML99, Luk99, MML98, Nic98, ÖM95, SD93a, Ber94, BM91a, BM91b, CWG90, CWG91, CKQ+93, Dol92a, Dol92b, GG90, GG92a, Hig92a, Hig92b, QS90, Rob90a, Rom92a, Rom92b, TPL90]. **Wavy** [MB99, SK90]. **Way** [CM99a, Lu99]. **Weak** [Gla95, KB99, ZWS98, Tou92]. **Weakly** [Boy95b, Boy96a, Boy97b, DA94, JSD95, Nak95]. **Weideman** [Boy94]. **weight** [Chi91, Chi92a, Chi92b]. **Weighted** [Fri98, HS99b, JS96, LOC94, NY98, RW96a, RW96b, RSW98, YYCH98, ZB92a, ZB92b]. **Weights** [Yak96]. **Weiming** [Ano99-30]. **Weizhang** [Ano99-30]. **Well** [AGH99, AR97b, BST95, LTE93, Wit96b, Glo92]. **Well-Behaved** [AR97b]. **Well-Posed** [BST95, AGH99]. **well-posedness** [Glo92]. **Wells** [LK94a, LK94b]. **Wendroff** [Oli94]. **WENO** [JcW99, MS99b]. **Weyl** [Noe94]. **Which** [Lub93, FVZ90]. **White** [BK97b]. **Whole** [LL95]. **Whose** [Gou96a]. **Wide** [AE98]. **Width** [GA96, GG92a]. **Wigner** [MH94]. **Wind** [GGP97, SMW99]. **Wind-Driven** [SMW99]. **Window** [FHKZ97]. **Winograd** [DHSS94]. **Winslow** [CI97]. **within** [Bar94, BM91a, BM91b, CP90, MBI+97]. **without** [LO98, Mak99, MG97a, PPBC92, PPBC93, Smo98]. **Works** [Zal97]. **Workstations** [MML98]. **World** [Bry97, Sem97]. **Wormlike** [JVS97]. **Wormlike-Chain** [JVS97]. **Wright** [Ske98].

X [Par90]. **X-MP** [Par90].

Yukawa [BFO99].

Z [AFH94]. **Zag** [CSZ97]. **Zakharov** [CJ94, Gla92b, Gla92a]. **ZD** [TAD92b]. **Zernike** [LPMS94]. **Zero** [SBGK99, KDL+92, RG90]. **Zig** [CSZ97]. **Zig-Zag**

[CSZ97]. **Zonal** [Fuj95, KMM96, KMS99]. **zone** [RY94]. **Zones** [TH96a]. **Zwas** [NGN97].

References

Aoyagi:1990:RKS

[AA90] Akira Aoyagi and Kanji Abe. Runge–Kutta smoother for suppression of computational-mode instability of leap frog scheme. *Journal of Computational Physics*, 89(1):254–255, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090139R`.

Aoyagi:1991:RKS

[AA91] Akira Aoyagi and Kanji Abe. Runge–Kutta smoother for suppression of computational-mode instability of leapfrog scheme. *Journal of Computational Physics*, 93(2):287–296, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190183L`.

Adams:1993:CCM

[AAK+93] E. Adams, W. F. Ames, W. Kühn, W. Rufeger, and H. Spreuer. Computational chaos may be due to a single local error. *Journal of Computational Physics*, 104(1):241–250, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710235`.

Anistratov:1997:ANC

[AAL97] Dmitriy Y. Anistratov, Marvin L. Adams, and Edward W. Larsen. Acceleration of the nonlinear corner-balance scheme by the averaged flux method. *Journal of Computational Physics*, 135(1):66–75, July 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957351`.

Abdolsalami:1995:SEM

[AAP+95] Farzan Abdolsalami, Mehran Abdolsalami, Lennard Perez, Pedro Gomez, and Mark Silva. Study of electron-molecule collision via finite-element method and R-matrix propagation technique: Exact exchange. *Journal of Computational Physics*, 121(2):314–323, October 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print),

1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999195901531.

Amdjadi:1997:SBH

[AAP97] F. Amdjadi, P. J. Aston, and P. Plechác. Symmetry breaking Hopf bifurcations in equations with O(2) symmetry with application to the Kuramoto–Sivashinsky equation. *Journal of Computational Physics*, 131(1):181–192, February 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196955990.

Altas:1994:HAD

[AB94] Irfan Altas and Kevin Burrage. A high accuracy defect-correction multigrid method for the steady incompressible Navier–Stokes equations. *Journal of Computational Physics*, 114(2):227–233, October 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711624.

Allievi:1997:GPS

[AB97] Alejandro Allievi and Rodolfo Bermejo. A generalized particle search-locate algorithm for arbitrary grids. *Journal of Computational Physics*, 132(2):157–166, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196956041.

Aavatsmark:1996:DNO

[ABBM96] I. Aavatsmark, T. Barkve, Ø. Bøe, and T. Mannseth. Discretization on non-orthogonal, quadrilateral grids for inhomogeneous, anisotropic media. *Journal of Computational Physics*, 127(1):2–14, August 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901540.

Almgren:1994:FAV

[ABC94] Ann S. Almgren, Thomas Buttke, and Phillip Colella. A fast adaptive vortex method in three dimensions. *Journal of Computational Physics*, 113(2):177–200, August 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711296.

Almgren:1998:CAP

[ABC+98] Ann S. Almgren, John B. Bell, Phillip Colella, Louis H. Howell, and Michael L. Welcome. A conservative adaptive projection method for the variable density incompressible Navier–Stokes equations. *Journal of Computational Physics*, 142(1):1–46, May 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198958909`.

Abdullah:1994:SGM

[Abd94] Wan Ahmad Tajuddin Wan Abdullah. Seeking global minima. *Journal of Computational Physics*, 110(2):320–326, February 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710291`.

Abdallah:1995:CFS

[Abd95] Shaaban Abdallah. Comments on the fractional step method. *Journal of Computational Physics*, 117(1):179–180, March 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710558`.

Abe:1997:DLB

[Abe97] Takashi Abe. Derivation of the lattice Boltzmann method by means of the discrete ordinate method for the Boltzmann equation. *Journal of Computational Physics*, 131(1):241–246, February 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955953`.

Abgrall:1994:ENO

[Abg94] R. Abgrall. On essentially non-oscillatory schemes on unstructured meshes: Analysis and implementation. *Journal of Computational Physics*, 114(1):45–58, September 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918471148X`.

Abgrall:1996:HPP

[Abg96] Rémi Abgrall. How to prevent pressure oscillations in multicomponent flow calculations: a quasi conservative approach. *Jour-*

nal of Computational Physics, 125(1):150–160, April 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900856`.

Ambrosiano:1994:ETG

[ABLD94] John J. Ambrosiano, Scott T. Brandon, Rainald Löhner, and C. Richard DeVore. Electromagnetics via the Taylor–Galerkin finite element method on unstructured grids. *Journal of Computational Physics*, 110(2):310–319, February 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918471028X`.

Abramov:1991:QISa

[Abr91a] D. I. Abramov. Quantum inverse scattering problem as a Cauchy problem. *Journal of Computational Physics*, 94(1):250, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190145B`.

Abramov:1991:QISb

[Abr91b] D. I. Abramov. Quantum inverse scattering problem as a Cauchy problem. *Journal of Computational Physics*, 97(2):516–534, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191900119`.

Aslam:1996:LSM

[ABS96] Tariq D. Aslam, John B. Bdzil, and D. Scott Stewart. Level set methods applied to modeling detonation shock dynamics. *Journal of Computational Physics*, 126(2):390–409, July 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919690145X`.

Allievi:1992:ABG

[AC92] Alejandro Allievi and Sander M. Calisal. Application of Bubnov–Galerkin formulation to orthogonal grid generation. *Journal of Computational Physics*, 98(1):163–173, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290181W`.

Arina:1993:SAD

[AC93] Renzo Arina and Claudio Canuto. A self-adaptive domain decomposition for the viscous/inviscid coupling. I. Burgers equation. *Journal of Computational Physics*, 105(2):290–300, April 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710752`.

Ache:1995:NTP

[AC95] Gerardo A. Ache and Debora Cores. Note on the two-point boundary value numerical solution of the Orr–Sommerfeld stability equation. *Journal of Computational Physics*, 116(1):180–183, January 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710169`.

Albrecht:1997:SST

[ACLW97] A. Albrecht, S. K. Cheung, K. S. Leung, and C. K. Wong. Stochastic simulations of two-dimensional composite packings. *Journal of Computational Physics*, 136(2):559–579, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957818`.

Apruzese:1995:SRA

[ACT95] J. P. Apruzese, R. W. Clark, and J. W. Thornhill. A single ray approximation for α particle transport. *Journal of Computational Physics*, 119(1):156–163, June 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711242`.

Arminjon:1993:CTL

[AD93] Paul Arminjon and Alain Dervieux. Construction of TVD-like artificial viscosities on two-dimensional arbitrary FEM grids. *Journal of Computational Physics*, 106(1):176–198, May 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711010`.

Abarbanel:1997:ASF

[AD97] Saul Abarbanel and Adi Ditkowski. Asymptotically stable fourth-order accurate schemes for the diffusion equation on complex

shapes. *Journal of Computational Physics*, 133(2):279–288, May 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956539`.

Adhikari:1992:CKVa

[Adh92a] Sadhan K. Adhikari. Complex Kohn variation principle for the solution of Lippmann–Schwinger equations. *Journal of Computational Physics*, 101(2):452, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290023R`.

Adhikari:1992:CKVb

[Adh92b] Sadhan K. Adhikari. Complex Kohn variational principle for the solution of Lippmann–Schwinger equations. *Journal of Computational Physics*, 103(2):415–421, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290412R`.

Assous:1993:FEM

[ADH+93] F. Assous, P. Degond, E. Heintze, P. A. Raviart, and J. Segre. On a finite-element method for solving the three-dimensional Maxwell equations. *Journal of Computational Physics*, 109(2):222–237, December 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183712143`.

Adler:1997:I

[Adl97] Berni J. Adler. Introduction. *Journal of Computational Physics*, 135(2):100, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957582`.

Assous:1996:NAM

[ADS96] F. Assous, P. Degond, and J. Segré. Numerical approximation of the Maxwell equations in inhomogeneous media by a P^1 conforming finite element method. *Journal of Computational Physics*, 128(2):363–380, October 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919690217X`.

Assous:1997:NST

[ADS97] F. Assous, P. Degond, and J. Segré. A new scheme to treat the numerical Tcherenkov instability for electromagnetic particle simulations. *Journal of Computational Physics*, 138(1):171–192, November 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958186`.

Arter:1995:PMS

[AE95] Wayne Arter and James W. Eastwood. Particle-mesh schemes for advection dominated flows. *Journal of Computational Physics*, 117(2):194–204, March 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710583`.

Arnold:1998:DTB

[AE98] Anton Arnold and Matthias Ehrhardt. Discrete transparent boundary conditions for wide angle parabolic equations in underwater acoustics. *Journal of Computational Physics*, 145(2):611–638, September 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960430`.

Auerbach:1990:LTB

[AF90] Steven P. Auerbach and Alex Friedman. Long-time behavior of numerically computed orbits: Small and intermediate timestep analysis of one-dimensional systems. *Journal of Computational Physics*, 89(1):253–254, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090136O`.

Auerbach:1991:LTB

[AF91] Steven P. Auerbach and Alex Friedman. Long-time behaviour of numerically computed orbits: Small and intermediate timestep analysis of one-dimensional systems. *Journal of Computational Physics*, 93(1):189–223, March 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190079Z`.

Arisue:1994:ACP

[AFH94] Hiroaki Arisue, Toshiaki Fujiwara, and Yumi S. Hirata. Algorithm to calculate the partition function for Z(2) lattice gauge theory in four dimensions. *Journal of Computational Physics*, 111(1):156–164, March 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710515`.

Abarbanel:1997:MAP

[AG97] Saul Abarbanel and David Gottlieb. A mathematical analysis of the PML method. *Journal of Computational Physics*, 134(2):357–363, July 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919795717X`.

Abarbanel:1999:WPP

[AGH99] S. Abarbanel, D. Gottlieb, and J. S. Hesthaven. Well-posed perfectly matched layers for advective acoustics. *Journal of Computational Physics*, 154(2):266–283, September 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963131`.

Abraham:1999:NTS

[AH99] K. J. Abraham and L. M. Haines. A new technique for sampling multi-modal distributions. *Journal of Computational Physics*, 155(2):380–386, November 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919996343X`.

Alava:1994:OPM

[AHH94] Mikko J. Alava, Jukka A. Heikkinen, and Torbjörn Hellsten. On the origin of parasitic modes in numerical modelling of wave propagation in plasmas. *Journal of Computational Physics*, 114(1):85–99, September 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918471151X`.

Ablowitz:1996:NSS

[AHS96] M. J. Ablowitz, B. M. Herbst, and Constance Schober. On the numerical solution of the Sine–Gordon equation: I. In-

tegrable discretizations and homoclinic manifolds. *Journal of Computational Physics*, 126(2):299–314, July 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901394`.

Ablowitz:1997:NSS

[AHS97] M. J. Ablowitz, B. M. Herbst, and C. M. Schober. On the numerical solution of the Sine–Gordon equation. *Journal of Computational Physics*, 131(2):354–367, March 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956065`.

Averbuch:1999:STD

[AIV99] A. Averbuch, M. Israeli, and L. Vozovoi. Solution of time-dependent diffusion equations with variable coefficients using multiwavelets. *Journal of Computational Physics*, 150(2):394–424, April 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199961855`.

Abrahamsson:1994:NSC

[AK94a] Leif Abrahamsson and Heinz-Otto Kreiss. Numerical solution of the coupled mode equations in duct acoustics. *Journal of Computational Physics*, 111(1):1–14, March 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710382`.

Araseki:1994:SCP

[AK94b] Hideo Araseki and Shoji Kotake. A self-correcting procedure for computational liquid metal magnetohydrodynamics. *Journal of Computational Physics*, 110(2):301–309, February 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710278`.

Amini:1995:SHE

[AK95] S. Amini and S. M. Kirkup. Solution of Helmholtz equation in the exterior domain by elementary boundary integral methods. *Journal of Computational Physics*, 118(2):208–221, May 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999185710935.

Aslan:1997:DNF

[AK97] Necdet Aslan and Terry Kammash. Developing numerical fluxes with new sonic fix for MHD equations. *Journal of Computational Physics*, 133(1):43–55, May 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197956448.

Arge:1998:EAS

[AK98] Erlend Arge and Angela Kunoth. An efficient ADI-solver for scattered data problems with global smoothing. *Journal of Computational Physics*, 139(2):343–358, January 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197958745.

Axmann:1999:EFE

[AK99] Waldemar Axmann and Peter Kuchment. An efficient finite element method for computing spectra of photonic and acoustic band-gap materials: I. Scalar case. *Journal of Computational Physics*, 150(2):468–481, April 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199961880.

Austin:1993:API

[AKW93] Mark A. Austin, P. S. Krishnaprasad, and Li-Sheng Wang. Almost Poisson integration of rigid body systems. *Journal of Computational Physics*, 107(1):105–117, July 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183711289.

Ahuja:1997:PFV

[AL97] Vineet Ahuja and Lyle N. Long. A parallel finite-volume Runge–Kutta algorithm for electromagnetic scattering. *Journal of Computational Physics*, 137(2):299–320, November 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197958022.

Almgren:1993:VAP

[Alm93] Robert Almgren. Variational algorithms and pattern formation in dendritic solidification. *Journal of Computational Physics*, 106(2):337–354, June 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711125`.

Agresar:1998:ACF

[ALTP98] G. Agresar, J. J. Linderman, G. Tryggvason, and K. G. Powell. An adaptive, Cartesian, front-tracking method for the motion, deformation and adhesion of circulating cells. *Journal of Computational Physics*, 143(2):346–380, July 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959678`.

Alvarez:1991:LCN

[Alv91] A. Alvarez. Linearized Crank–Nicholson scheme for nonlinear Dirac equations. *Journal of Computational Physics*, 97(2):585, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190034I`.

Alvarez:1992:LCN

[Alv92] A. Alvarez. Linearized Crank–Nicholson scheme for nonlinear Dirac equations. *Journal of Computational Physics*, 99(2):348–350, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290214J`.

Andreassen:1994:SVM

[ALW94] Øyvind Andreassen, Ivar Lie, and Carl Erik Wasberg. The spectral viscosity method applied to simulation of waves in a stratified atmosphere. *Journal of Computational Physics*, 110(2):257–273, February 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710230`.

Acharya:1990:AGS

[AM90] S. Acharya and F. H. Moukalled. An adaptive grid solution procedure for convection-diffusion problems. *Journal of Computational Physics*, 91(1):32–54, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/002199919090003J.

Akselvoll:1996:EMT

[AM96] Knut Akselvoll and Parviz Moin. An efficient method for temporal integration of the Navier–Stokes equations in confined axisymmetric geometries. *Journal of Computational Physics*, 125(2): 454–463, May 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901072.

Arthurs:1998:MAF

[AMP+98] Kayne M. Arthurs, Leon C. Moore, Charles S. Peskin, E. Bruce Pitman, and H. E. Layton. Modeling arteriolar flow and mass transport using the immersed boundary method. *Journal of Computational Physics*, 147(2):402–440, December 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960971.

Abe:1990:CCF

[AN90] Hirotada Abe and Sadanojyo Nakajima. A courant condition-free modified partially implicit method. Revised electromagnetic particle code PS2M for bounded plasmas with conducting walls. *Journal of Computational Physics*, 86(2):259–269, February 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190901016.

Adams:1998:AAC

[AN98] Marvin L. Adams and Paul F. Nowak. Asymptotic analysis of a computational method for time- and frequency-dependent radiative transfer. *Journal of Computational Physics*, 146(1):366–403, October 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960636.

Ancona:1994:FLL

[Anc94] M. G. Ancona. Fully-Lagrangian and lattice-Boltzmann methods for solving systems of conservation equations. *Journal of Computational Physics*, 115(1):107–120, November 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711818.

Anderson:1994:GGF

[And94] W. Kyle Anderson. A grid generation and flow solution method for the Euler equations on unstructured grids. *Journal of Computational Physics*, 110(1):23–38, January 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710035`.

Ajmani:1994:PCG

[ANL94] Kumud Ajmani, Wing-Fai Ng, and Meng-Sing Liou. Preconditioned conjugate gradient methods for the Navier–Stokes equations. *Journal of Computational Physics*, 110(1):68–81, January 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710060`.

Anonymous:1990:APAd

[Ano90a] Anonymous. Abstracts of papers to appear in future issue. *Journal of Computational Physics*, 88(1):251–254, May 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090252V`.

Anonymous:1990:APAe

[Ano90b] Anonymous. Abstracts of papers to appear in future issue. *Journal of Computational Physics*, 88(2):499–503, June 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190901946`.

Anonymous:1990:APAa

[Ano90c] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 86(1):256–258, January 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090100F`.

Anonymous:1990:APAb

[Ano90d] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 86(2):496–499, February 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090112E`.

Anonymous:1990:APAc

[Ano90e] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 87(1):245–247, March 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090238V`.

Anonymous:1990:APAf

[Ano90f] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 90(2):506–509, October 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190901784`.

Anonymous:1990:Aa

[Ano90g] Anonymous. Announcement. *Journal of Computational Physics*, 88(1):250, May 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090251U`.

Anonymous:1990:Ab

[Ano90h] Anonymous. Announcements. *Journal of Computational Physics*, 91(1):247–248, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090015S`.

Anonymous:1990:AIVa

[Ano90i] Anonymous. Author index for volume 86. *Journal of Computational Physics*, 86(2):500, February 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090113F`.

Anonymous:1990:AIVb

[Ano90j] Anonymous. Author index for volume 87. *Journal of Computational Physics*, 87(2):497, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190902767`.

Anonymous:1990:AIVc

[Ano90k] Anonymous. Author index for volume 88. *Journal of Computational Physics*, 88(2):504, June 1990. CODEN

JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190901957.

Anonymous:1990:AIVd

[Ano90l] Anonymous. Author index for volume 89. *Journal of Computational Physics*, 89(2):492, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090166X.

Anonymous:1990:AIVe

[Ano90m] Anonymous. Author index for volume 90. *Journal of Computational Physics*, 90(2):510, October 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190901795.

Anonymous:1990:AIVf

[Ano90n] Anonymous. Author index for volume 91. *Journal of Computational Physics*, 91(2):498, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190900626.

Anonymous:1990:C

[Ano90o] Anonymous. Corrigendum. *Journal of Computational Physics*, 91(1):246, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090014R.

Anonymous:1990:NAa

[Ano90p] Anonymous. Notes to appear. *Journal of Computational Physics*, 87(2):496, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190902756.

Anonymous:1990:NAb

[Ano90q] Anonymous. Notes to appear. *Journal of Computational Physics*, 91(2):497, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190900615.

Anonymous:1991:APAa

[Ano91a] Anonymous. Abstract of papers to appear in future issues. *Journal of Computational Physics*, 92(1):257–259, January 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190300A`.

Anonymous:1991:APAc

[Ano91b] Anonymous. Abstract of papers to appear in future issues. *Journal of Computational Physics*, 94(2):494–497, June 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190233B`.

Anonymous:1991:APAf

[Ano91c] Anonymous. Abstract of papers to appear in future issues. *Journal of Computational Physics*, 96(1):237–239, September 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190275P`.

Anonymous:1991:APAb

[Ano91d] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 92(2):508–510, February 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190220F`.

Anonymous:1991:APAd

[Ano91e] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 95(1):246–249, July 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190262J`.

Anonymous:1991:APAe

[Ano91f] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 95(2):511–513, August 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190289W`.

Anonymous:1991:AIVb

[Ano91g] Anonymous. Author index for volume 3. *Journal of Computational Physics*, 93(2):489, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191902094`.

Anonymous:1991:AIVa

[Ano91h] Anonymous. Author index for volume 92. *Journal of Computational Physics*, 92(2):511, February 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191902216`.

Anonymous:1991:AIVc

[Ano91i] Anonymous. Author index for volume 94. *Journal of Computational Physics*, 94(2):498, June 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190234C`.

Anonymous:1991:AIVd

[Ano91j] Anonymous. Author index for volume 95. *Journal of Computational Physics*, 95(2):514, August 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191902902`.

Anonymous:1991:AIVe

[Ano91k] Anonymous. Author index for volume 96. *Journal of Computational Physics*, 96(2):494, October 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190249K`.

Anonymous:1991:AIVf

[Ano91l] Anonymous. Author index for volume 97. *Journal of Computational Physics*, 97(2):586, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190035J`.

Anonymous:1991:M

[Ano91m] Anonymous. In memoriam. *Journal of Computational Physics*, 95(2):251–253, August 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190276Q`.

Anonymous:1991:NSI

[Ano91n] Anonymous. Note: Semi-implicit particle simulation of kinetic plasma phenomena. *Journal of Computational Physics*, 97(1):224–234, November 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190045M`.

Anonymous:1991:NAb

[Ano91o] Anonymous. Note to appear. *Journal of Computational Physics*, 93(2):488, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191902083`.

Anonymous:1991:NAc

[Ano91p] Anonymous. Note to appear. *Journal of Computational Physics*, 94(1):254, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190159I`.

Anonymous:1991:NAa

[Ano91q] Anonymous. Notes to appear. *Journal of Computational Physics*, 93(1):253, March 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191900908`.

Anonymous:1992:APAa

[Ano92a] Anonymous. Abstract of papers to appear in future issues. *Journal of Computational Physics*, 100(1):205–207, May 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290322P`.

Anonymous:1992:APAc

[Ano92b] Anonymous. Abstract of papers to appear in future issues. *Journal of Computational Physics*, 103(2):478–479, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716

(electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290418X.

Anonymous:1992:APAb

[Ano92c] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 102(1):225–226, September 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999105800178.

Anonymous:1992:A

[Ano92d] Anonymous. Announcement. *Journal of Computational Physics*, 102(2):423, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290384B.

Anonymous:1992:AIVa

[Ano92e] Anonymous. Author index for volume 100. *Journal of Computational Physics*, 100(2):436, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192902695.

Anonymous:1992:AIVb

[Ano92f] Anonymous. Author index for volume 101. *Journal of Computational Physics*, 101(2):455, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290037Y.

Anonymous:1992:AIVc

[Ano92g] Anonymous. Author index for volume 102. *Journal of Computational Physics*, 102(2):426, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290395F.

Anonymous:1992:AIVd

[Ano92h] Anonymous. Author index for volume 103. *Journal of Computational Physics*, 103(2):480, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290419Y.

Anonymous:1992:AIVe

[Ano92i] Anonymous. Author index for volume 98. *Journal of Computational Physics*, 98(2):350, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290167W`.

Anonymous:1992:AIVf

[Ano92j] Anonymous. Author index for volume 99. *Journal of Computational Physics*, 99(2):353, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290228Q`.

Anonymous:1992:NA

[Ano92k] Anonymous. Note to appear. *Journal of Computational Physics*, 103(1):187, November 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192903392`.

Anonymous:1993:APAa

[Ano93a] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 104(1):285–286, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710302`.

Anonymous:1993:APAb

[Ano93b] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 104(2):473, February 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710466`.

Anonymous:1993:APAc

[Ano93c] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 105(1):186, March 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710661`.

Anonymous:1993:APAd

[Ano93d] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 105(2):371, April 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710843`.

Anonymous:1993:APAe

[Ano93e] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 106(1):199, May 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711022`.

Anonymous:1993:APAf

[Ano93f] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 106(2):400, June 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711186`.

Anonymous:1993:APAg

[Ano93g] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 107(1):199, July 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711368`.

Anonymous:1993:APAh

[Ano93h] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 107(2):406, August 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711551`.

Anonymous:1993:APAi

[Ano93i] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 108(1):197, September 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711745`.

Anonymous:1993:APAj

[Ano93j] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 108(2):377, October 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711927`.

Anonymous:1993:APAk

[Ano93k] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 109(1):153, November 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183712076`.

Anonymous:1993:APAl

[Ano93l] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 109(2):341, December 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183712222`.

Anonymous:1993:AIVa

[Ano93m] Anonymous. Author index for volume 104. *Journal of Computational Physics*, 104(2):474, February 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710478`.

Anonymous:1993:AIVb

[Ano93n] Anonymous. Author index for volume 105. *Journal of Computational Physics*, 105(2):372, April 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710855`.

Anonymous:1993:AIVc

[Ano93o] Anonymous. Author index for volume 106. *Journal of Computational Physics*, 106(2):401, June 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711198`.

Anonymous:1993:AIVd

[Ano93p] Anonymous. Author index for volume 107. *Journal of Computational Physics*, 107(2):407, August 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711563`.

Anonymous:1993:AIVe

[Ano93q] Anonymous. Author index for volume 108. *Journal of Computational Physics*, 108(2):378, October 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711939`.

Anonymous:1993:AIVf

[Ano93r] Anonymous. Author index for volume 109. *Journal of Computational Physics*, 109(2):342, December 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183712234`.

Anonymous:1994:APAa

[Ano94a] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 110(1):200, January 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710175`.

Anonymous:1994:APAb

[Ano94b] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 110(2):420, February 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710370`.

Anonymous:1994:APAc

[Ano94c] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 111(1):204, March 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710552`.

Anonymous:1994:APAd

[Ano94d] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 111(2):414–415, April 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710758`.

Anonymous:1994:APAe

[Ano94e] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 112(1):210, May 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710928`.

Anonymous:1994:APAf

[Ano94f] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 112(2):404, June 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711107`.

Anonymous:1994:APAg

[Ano94g] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 113(1):154, July 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711260`.

Anonymous:1994:APAh

[Ano94h] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 113(2):353, August 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711429`.

Anonymous:1994:APAi

[Ano94i] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 114(1):160, September 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711569`.

Anonymous:1994:APAj

[Ano94j] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 114(2):350, October 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711727`.

Anonymous:1994:APAk

[Ano94k] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 115(1):248, November 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184712204`.

Anonymous:1994:APAl

[Ano94l] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 115(2):553, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184712174`.

Anonymous:1994:AIVa

[Ano94m] Anonymous. Author index for volume 111. *Journal of Computational Physics*, 111(2):416, April 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918471076X`.

Anonymous:1994:AIVb

[Ano94n] Anonymous. Author index for volume 112. *Journal of Computational Physics*, 112(2):405, June 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711119`.

Anonymous:1994:AIVc

[Ano94o] Anonymous. Author index for volume 113. *Journal of Computational Physics*, 113(2):354, August 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711430`.

Anonymous:1994:AIVd

[Ano94p] Anonymous. Author index for volume 114. *Journal of Computational Physics*, 114(2):351, October 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184712198`.

Anonymous:1994:AIVe

[Ano94q] Anonymous. Author index for volume 115. *Journal of Computational Physics*, 115(2):554, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184712186`.

Anonymous:1994:E

[Ano94r] Anonymous. Erratum. *Journal of Computational Physics*, 110(2): 419, February 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710369`.

Anonymous:1994:NEE

[Ano94s] Anonymous. Note: An evaluation of explicit pseudo-steady-state approximation schemes for stiff ODE systems from chemical kinetics. *Journal of Computational Physics*, 113(2):347–352, August 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711417`.

Anonymous:1994:NDS

[Ano94t] Anonymous. Note: "diagonal shadow" — a quasi-Newton iteration in spectral domain. *Journal of Computational Physics*, 111(2):410–413, April 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710746`.

Anonymous:1995:APAa

[Ano95a] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 116(1):193, January 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710200`.

Anonymous:1995:APAb

[Ano95b] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 116(2):388, February 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710388`.

Anonymous:1995:APAc

[Ano95c] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 117(1):181, March 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918571056X`.

Anonymous:1995:APAd

[Ano95d] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 117(2):368, March 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918571073X`.

Anonymous:1995:APAe

[Ano95e] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 118(1):189, April 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918571090X`.

Anonymous:1995:APAf

[Ano95f] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 118(2):401, May 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711114`.

Anonymous:1995:APAg

[Ano95g] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 119(1):209–210, June 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711291`.

Anonymous:1995:APAh

[Ano95h] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 119(2):390, July 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711448`.

Anonymous:1995:APAi

[Ano95i] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 120(1):156, August 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711552`.

Anonymous:1995:APAj

[Ano95j] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 120(2):383, September 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711746`.

Anonymous:1995:APAk

[Ano95k] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 121(1):192, October 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711904`.

Anonymous:1995:APAl

[Ano95l] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 121(2):383, October 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999195902554`.

Anonymous:1995:APAm

[Ano95m] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 122(1):184, November 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185712065`.

Anonymous:1995:APAn

[Ano95n] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 122(2):387, December 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185712259`.

Anonymous:1995:A

[Ano95o] Anonymous. Acknowledgment. *Journal of Computational Physics*, 122(2):384–386, December 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185712247`.

Anonymous:1995:AIVa

[Ano95p] Anonymous. Author index for volume 117. *Journal of Computational Physics*, 117(2):369, March 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710741`.

Anonymous:1995:AIVb

[Ano95q] Anonymous. Author index for volume 120. *Journal of Computational Physics*, 120(2):384, September 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711758`.

Anonymous:1995:AIVc

[Ano95r] Anonymous. Author index for volume 121. *Journal of Computational Physics*, 121(2):384, October 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999195902724`.

Anonymous:1995:AIVd

[Ano95s] Anonymous. Author index for volume 122. *Journal of Computational Physics*, 122(2):388, December 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185712260`.

Anonymous:1995:CAT

[Ano95t] Anonymous. Cumulative author–title index 1990–1995. *Journal of Computational Physics*, 122(2):389–410, December 1995. CO-

DEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185712272.

Anonymous:1995:E

[Ano95u] Anonymous. Erratum: "Summation by parts for finite difference approximations for d/dx". *Journal of Computational Physics*, 116(1):192, January 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185710194. See [Str94].

Anonymous:1996:APAh

[Ano96a] Anonymous. Abstracts of papers to appear in future. *Journal of Computational Physics*, 126(2):479, July 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901515.

Anonymous:1996:APAa

[Ano96b] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 123(1):233, January 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900200.

Anonymous:1996:APAb

[Ano96c] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 123(2):495, February 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919690039X.

Anonymous:1996:APAc

[Ano96d] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 124(1):242, March 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919690056X.

Anonymous:1996:APAd

[Ano96e] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 124(2):465, March 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S002199919690073X.

Anonymous:1996:APAe

[Ano96f] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 125(1):277–278, April 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900935.

Anonymous:1996:APAf

[Ano96g] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 125(2):526–527, May 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901138.

Anonymous:1996:APAg

[Ano96h] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 126(1):240–241, June 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901333.

Anonymous:1996:APAi

[Ano96i] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 127(1):226, August 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901710.

Anonymous:1996:APAj

[Ano96j] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 127(2):482–483, September 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901898.

Anonymous:1996:APAk

[Ano96k] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 128(1):259, October 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196902089.

Anonymous:1996:APAl

[Ano96l] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 128(2):498–499, October 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902272`.

Anonymous:1996:APAm

[Ano96m] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 129(1):243–244, November 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902478`.

Anonymous:1996:APAn

[Ano96n] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 129(2):435, December 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902594`.

Anonymous:1996:A

[Ano96o] Anonymous. Acknowledgment. *Journal of Computational Physics*, 129(2):431–434, December 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902612`.

Anonymous:1996:AIVa

[Ano96p] Anonymous. Author index for volume 123. *Journal of Computational Physics*, 123(2):496, February 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900406`.

Anonymous:1996:AIVb

[Ano96q] Anonymous. Author index for volume 124. *Journal of Computational Physics*, 124(2):466, March 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900741`.

Anonymous:1996:AIVc

[Ano96r] Anonymous. Author index for volume 125. *Journal of Computational Physics*, 125(2):528, May 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919690114X`.

Anonymous:1996:AIVd

[Ano96s] Anonymous. Author index for volume 126. *Journal of Computational Physics*, 126(2):480, July 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901527`.

Anonymous:1996:AIVe

[Ano96t] Anonymous. Author index for volume 127. *Journal of Computational Physics*, 127(2):484, September 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901904`.

Anonymous:1996:AIVf

[Ano96u] Anonymous. Author index for volume 128. *Journal of Computational Physics*, 128(2):500, October 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902284`.

Anonymous:1996:AIVg

[Ano96v] Anonymous. Author index for volume 129. *Journal of Computational Physics*, 129(2):436, December 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902600`.

Anonymous:1996:CAT

[Ano96w] Anonymous. Cumulative author–title index 1991–1996. *Journal of Computational Physics*, 129(2):437–460, December 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902624`.

Anonymous:1997:APAa

[Ano97a] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 130(1):160, January 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956247`.

Anonymous:1997:APAb

[Ano97b] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 130(2):283, January 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919695634X`.

Anonymous:1997:APAc

[Ano97c] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 131(1):251, February 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956424`.

Anonymous:1997:APAd

[Ano97d] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 131(2):378, March 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956540`.

Anonymous:1997:APAe

[Ano97e] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 132(1):156, March 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956643`.

Anonymous:1997:APAf

[Ano97f] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 132(2):414–415, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956850`.

Anonymous:1997:APAg

[Ano97g] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 133(1):192, May 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919799999X`.

Anonymous:1997:APAh

[Ano97h] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 133(2):365–366, May 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957156`.

Anonymous:1997:APAi

[Ano97i] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 134(1):201, June 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957247`.

Anonymous:1997:APAj

[Ano97j] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 134(2):389, July 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957612`.

Anonymous:1997:APAk

[Ano97k] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 135(1):97, July 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957703`.

Anonymous:1997:APAl

[Ano97l] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 135(2):293, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957892`.

Anonymous:1997:APAm

[Ano97m] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 136(1):229, September 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958010`.

Anonymous:1997:APAn

[Ano97n] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 136(2):660–661, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958113`.

Anonymous:1997:APAo

[Ano97o] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 137(1):245–246, October 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958320`.

Anonymous:1997:APAp

[Ano97p] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 137(2):406–407, November 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958514`.

Anonymous:1997:APAq

[Ano97q] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 138(1):248–249, November 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958605`.

Anonymous:1997:APAr

[Ano97r] Anonymous. Abstracts of papers to appear in future issues. *Journal of Computational Physics*, 138(2):991–992, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958940`.

Anonymous:1997:AIVa

[Ano97s] Anonymous. Author index for volume 130. *Journal of Computational Physics*, 130(2):284, January 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956357`.

Anonymous:1997:AIVb

[Ano97t] Anonymous. Author index for volume 131. *Journal of Computational Physics*, 131(2):379, March 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956552`.

Anonymous:1997:AIVc

[Ano97u] Anonymous. Author index for volume 132. *Journal of Computational Physics*, 132(2):416, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956849`.

Anonymous:1997:AIVd

[Ano97v] Anonymous. Author index for volume 133. *Journal of Computational Physics*, 133(2):367, May 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957144`.

Anonymous:1997:AIVe

[Ano97w] Anonymous. Author index for volume 134. *Journal of Computational Physics*, 134(2):390, July 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957600`.

Anonymous:1997:AIVf

[Ano97x] Anonymous. Author index for volume 135. *Journal of Computational Physics*, 135(2):294, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957909`.

Anonymous:1997:AIVg

[Ano97y] Anonymous. Author index for volume 136. *Journal of Computational Physics*, 136(2):662, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958125`.

Anonymous:1997:AIVh

[Ano97z] Anonymous. Author index for volume 137. *Journal of Computational Physics*, 137(2):408, November 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958526`.

Anonymous:1997:AIVi

[Ano97-27] Anonymous. Author index for volume 138. *Journal of Computational Physics*, 138(2):993, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958952`.

Anonymous:1997:CAT

[Ano97-28] Anonymous. Cumulative author–title index 1992–1997. *Journal of Computational Physics*, 138(2):994–1033, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958964`.

Anonymous:1997:EFT

[Ano97-29] Anonymous. Erratum: "A Forward-in-Time Advection Scheme and Adaptive Multilevel Flow Solver for Nearly Incompressible Atmospheric Flow". *Journal of Computational Physics*, 132(2): 412–413, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956667`. See [SB96b].

Anonymous:1998:APAa

[Ano98a] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 139(2):444–445, January 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197959118`.

Anonymous:1998:APAb

[Ano98b] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 140(1):202–203, February 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959186`.

Anonymous:1998:APAc

[Ano98c] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 140(2):481–482, March 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959411`.

Anonymous:1998:APAd

[Ano98d] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 141(1):90–91, March 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959484`.

Anonymous:1998:APAe

[Ano98e] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 141(2):225–226, April 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959630`.

Anonymous:1998:APAf

[Ano98f] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 142(1):269–270, May 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959800`.

Anonymous:1998:APAg

[Ano98g] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 142(2):615–616, May 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960041`.

Anonymous:1998:APAh

[Ano98h] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 143(1):289–290, June 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919896020X`.

Anonymous:1998:APAi

[Ano98i] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 143(2):682–683, July 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919896034X`.

Anonymous:1998:APAj

[Ano98j] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 144(1):235–236, July 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960454`.

Anonymous:1998:APAk

[Ano98k] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 144(2):749–750, August 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960545`.

Anonymous:1998:APAl

[Ano98l] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 145(1):469–470, September 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960685`.

Anonymous:1998:APAm

[Ano98m] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 145(2):760–761, September 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960831`.

Anonymous:1998:APAn

[Ano98n] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 146(1):488–489, October 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960983`.

Anonymous:1998:APAo

[Ano98o] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 146(2):775–776, November 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961095`.

Anonymous:1998:APAp

[Ano98p] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 147(1):236–237, November 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961241`.

Anonymous:1998:APAq

[Ano98q] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 147(2):610–611, December 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961435`.

Anonymous:1998:AI

[Ano98r] Anonymous. Author index. *Journal of Computational Physics*, 139(2):446, January 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197999988`.

Anonymous:1998:AIVa

[Ano98s] Anonymous. Author index for volume 140. *Journal of Computational Physics*, 140(2):483, March 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198958193`.

Anonymous:1998:AIVb

[Ano98t] Anonymous. Author index for volume 141. *Journal of Computational Physics*, 141(2):227, April 10, 1998. CODEN

JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959642.

Anonymous:1998:AIVc

[Ano98u] Anonymous. Author index for volume 142. *Journal of Computational Physics*, 142(2):617, May 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960053.

Anonymous:1998:AIVd

[Ano98v] Anonymous. Author index for volume 143. *Journal of Computational Physics*, 143(2):684, July 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960351.

Anonymous:1998:AIVe

[Ano98w] Anonymous. Author index for volume 144. *Journal of Computational Physics*, 144(2):751, August 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960557.

Anonymous:1998:AIVf

[Ano98x] Anonymous. Author index for volume 145. *Journal of Computational Physics*, 145(2):762, September 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960843.

Anonymous:1998:AIVg

[Ano98y] Anonymous. Author index for volume 146. *Journal of Computational Physics*, 146(2):777–778, November 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198961101.

Anonymous:1998:AIVh

[Ano98z] Anonymous. Author index for volume 147. *Journal of Computational Physics*, 147(2):612, December 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198961447.

Anonymous:1998:CAT

[Ano98-27] Anonymous. Cumulative author–title index 1993–1998. *Journal of Computational Physics*, 147(2):613–646, December 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961459`.

Anonymous:1999:APAa

[Ano99a] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 148(1):302–303, January 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961587`.

Anonymous:1999:APAb

[Ano99b] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 148(2):675–676, January 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961745`.

Anonymous:1999:APAc

[Ano99c] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 149(1):198–199, February 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199961892`.

Anonymous:1999:APAd

[Ano99d] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 149(2):423–424, March 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962083`.

Anonymous:1999:APAe

[Ano99e] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 150(1):299–300, March 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962307`.

Anonymous:1999:APAg

[Ano99f] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 151(1):422–423, May 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962678`.

Anonymous:1999:APAh

[Ano99g] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 151(2):1008–1009, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962770`.

Anonymous:1999:APAi

[Ano99h] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 152(1):420–421, June 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962885`.

Anonymous:1999:APAj

[Ano99i] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 152(2):796–797, July 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919996309X`.

Anonymous:1999:APAk

[Ano99j] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 153(1):223–224, July 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963179`.

Anonymous:1999:APAl

[Ano99k] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 153(2):672–673, August 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963258`.

Anonymous:1999:APAm

[Ano99l] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 154(1):242–243, September 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963428`.

Anonymous:1999:APAn

[Ano99m] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 154(2):528–529, September 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963520`.

Anonymous:1999:APAo

[Ano99n] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 155(1):221–222, October 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963672`.

Anonymous:1999:APAp

[Ano99o] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 155(2):499–500, November 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963805`.

Anonymous:1999:APAq

[Ano99p] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 156(1):207–208, November 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963908`.

Anonymous:1999:APAr

[Ano99q] Anonymous. Abstracts of papers to appear. *Journal of Computational Physics*, 156(2):399–400, December 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963994`.

Anonymous:1999:APAf

[Ano99r] Anonymous. Abstracts of papers to appear in special issue on computational molecular biophysics. *Journal of Computational Physics*, 150(2):595–596, April 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962538`.

Anonymous:1999:AIVa

[Ano99s] Anonymous. Author index for volume 148. *Journal of Computational Physics*, 148(2):677, January 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961757`.

Anonymous:1999:AIVb

[Ano99t] Anonymous. Author index for volume 149. *Journal of Computational Physics*, 149(2):425, March 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962095`.

Anonymous:1999:AIVc

[Ano99u] Anonymous. Author index for volume 150. *Journal of Computational Physics*, 150(2):597, April 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919996254X`.

Anonymous:1999:AIVd

[Ano99v] Anonymous. Author index for volume 151. *Journal of Computational Physics*, 151(2):1010, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962782`.

Anonymous:1999:AIVe

[Ano99w] Anonymous. Author index for volume 152. *Journal of Computational Physics*, 152(2):798, July 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963106`.

Anonymous:1999:AIVf

[Ano99x] Anonymous. Author index for volume 153. *Journal of Computational Physics*, 153(2):674, August 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919996326X`.

Anonymous:1999:AIVg

[Ano99y] Anonymous. Author index for volume 154. *Journal of Computational Physics*, 154(2):530, September 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963532`.

Anonymous:1999:AIVh

[Ano99z] Anonymous. Author index for volume 155. *Journal of Computational Physics*, 155(2):501, November 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963817`.

Anonymous:1999:AIVi

[Ano99-27] Anonymous. Author index for volume 156. *Journal of Computational Physics*, 156(2):401, December 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199964021`.

Anonymous:1999:CAT

[Ano99-28] Anonymous. Cumulative author–title index 1994–1999. *Journal of Computational Physics*, 156(2):402–436, December 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199964033`.

Anonymous:1999:E

[Ano99-29] Anonymous. Editorial. *Journal of Computational Physics*, 148(1):1, January 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961472`.

Anonymous:1999:EVN

[Ano99-30] Anonymous. Erratum: Volume **149**, number 2 (1999), in Article ID jcph.1998.6151, "An r-Adaptive Finite Element Method

Based upon Moving Mesh PDEs," by Weiming Cao, Weizhang Huang, and Robert D. Russell, pp. 221–244. *Journal of Computational Physics*, 156(1):206, November 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919996391X`. See erratum [CHR99].

Aoyagi:1995:NLI

[Aoy95] Akira Aoyagi. Nonlinear leapfrog instability for Fornberg's pattern. *Journal of Computational Physics*, 120(2):316–322, September 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711679`.

Ashgriz:1990:FFL

[AP90] N. Ashgriz and J. Y. Poo. Flair: Flux line-segment model for advection and interface reconstruction. *Journal of Computational Physics*, 89(1):251–252, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090129O`.

Asencor:1991:FDO

[AP91a] F. J. Asencor and M. Panizo. Finite-difference operators in anisotropic inhomogeneous dielectrics: General case. *Journal of Computational Physics*, 95(2):387–399, August 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190282P`.

Ashgriz:1991:FFL

[AP91b] N. Ashgriz and J. Y. Poo. FLAIR: Flux line-segment model for advection and interface reconstruction. *Journal of Computational Physics*, 93(2):449–468, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190194P`.

Antonov:1997:ALB

[APS97] S. Antonov, F.-J. Pfreundt, and J. Struckmeier. Adaptive load balance techniques in parallel rarefied gas simulations. *Journal of Computational Physics*, 138(2):400–418, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999197958253.

Achdou:1998:EBC

[APV98] Yves Achdou, O. Pironneau, and F. Valentin. Effective boundary conditions for laminar flows over periodic rough boundaries. *Journal of Computational Physics*, 147(1):187–218, November 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960880.

Ambrosi:1998:TGM

[AQ98] D. Ambrosi and L. Quartapelle. A Taylor–Galerkin method for simulating nonlinear dispersive water waves. *Journal of Computational Physics*, 146(2):546–569, November 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960272.

Auteri:1999:GSM

[AQ99] F. Auteri and L. Quartapelle. Galerkin spectral method for the vorticity and stream function equations. *Journal of Computational Physics*, 149(2):306–332, March 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198961551.

Albanese:1993:ATD

[AR93] R. Albanese and G. Rubinacci. Analysis of three-dimensional electromagnetic fields using edge elements. *Journal of Computational Physics*, 108(2):236–245, October 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183711794.

Anderson:1996:HOE

[AR96] Christopher R. Anderson and Marc B. Reider. A high order explicit method for the computation of flow about a circular cylinder. *Journal of Computational Physics*, 125(1):207–224, April 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900893.

Arora:1997:POD

[AR97a] Mohit Arora and Philip L. Roe. On postshock oscillations due to shock capturing schemes in unsteady flows. *Journal of Computational Physics*, 130(1):25–40, January 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955345`.

Arora:1997:WBT

[AR97b] Mohit Arora and Philip L. Roe. A well-behaved TVD limiter for high-resolution calculations of unsteady flow. *Journal of Computational Physics*, 132(1):3–11, March 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919695514X`.

Arakawa:1997:CDL

[Ara97] Akio Arakawa. Computational design for long-term numerical integration of the equations of fluid motion: Two-dimensional incompressible flow. Part I. *Journal of Computational Physics*, 135(2):103–114, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956977`.

Anderson:1996:IMA

[ARB96] W. Kyle Anderson, Russ D. Rausch, and Daryl L. Bonhaus. Implicit/multigrid algorithms for incompressible turbulent flows on unstructured grids. *Journal of Computational Physics*, 128(2):391–408, October 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902193`.

Arian:1997:CAS

[Ari97] Eyal Arian. On the coupling of aerodynamic and structural design. *Journal of Computational Physics*, 135(1):83–96, July 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957417`.

Armfield:1994:EAC

[Arm94] S. W. Armfield. Ellipticity, accuracy, and convergence of the discrete Navier–Stokes equations. *Journal of Compu-*

tational Physics, 114(2):176–184, October 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711582`.

Allison:1991:EOF

[ARS91] A. C. Allison, A. D. Raptis, and T. E. Simos. An eighth-order formula for the numerical integration of the one-dimensional Schrödinger equation. *Journal of Computational Physics*, 97(1):240–248, November 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190047O`.

Al-Rizzo:1995:ESDa

[ART95a] H. M. Al-Rizzo and J. M. Tranquilla. Electromagnetic scattering from dielectrically coated axisymmetric objects using the generalized point-matching technique. *Journal of Computational Physics*, 119(2):342–355, July 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711394`.

Al-Rizzo:1995:ESDb

[ART95b] H. M. Al-Rizzo and J. M. Tranquilla. Electromagnetic scattering from dielectrically coated axisymmetric objects using the Generalized Point-Matching Technique (GPMT). *Journal of Computational Physics*, 119(2):356–373, July 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711400`.

Al-Rizzo:1997:AGM

[ARTAAA97] H. M. Al-Rizzo, J. M. Tranquilla, S. M. Al-Amri, and H. T. Alhafid. Application of the generalized multipole technique (GMT) to high-frequency electromagnetic scattering from perfectly conducting and dielectric bodies of revolution. *Journal of Computational Physics*, 136(1):1–18, September 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956181`.

Albanese:1999:ICM

[ARV99] Raffaele Albanese, Guglielmo Rubinacci, and Fabio Villone. An integral computational model for crack simulation and detection

via eddy currents. *Journal of Computational Physics*, 152(2):736–755, July 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962617`.

Altas:1990:TDA

[AS90] Irfan Altas and John W. Stephenson. A two-dimensional adaptive mesh generation method. *Journal of Computational Physics*, 90(1):268, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090212J`.

Altas:1991:TDA

[AS91] Irfan Altas and John W. Stephenson. A two-dimensional adaptive mesh generation method. *Journal of Computational Physics*, 94(1):201–224, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191901439`.

Alcubierre:1994:TSA

[AS94] M. Alcubierre and Bernard F. Schutz. Time-symmetric ADI and causal reconnection: Stable numerical techniques for hyperbolic systems on moving grids. *Journal of Computational Physics*, 112 (1):44–77, May 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710813`.

Adalsteinsson:1995:LSAa

[AS95a] D. Adalsteinsson and J. A. Sethian. A level set approach to a unified model for etching, deposition, and lithography I: Algorithms and two-dimensional simulations. *Journal of Computational Physics*, 120(1):128–144, August 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711539`.

Adalsteinsson:1995:LSAb

[AS95b] D. Adalsteinsson and J. A. Sethian. A level set approach to a unified model for etching, deposition, and lithography II: Three-dimensional simulations. *Journal of Computational Physics*, 122(2):348–366, December 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185712211`.

Adalsteinsson:1995:FLS

[AS95c] David Adalsteinsson and James A. Sethian. A fast level set method for propagating interfaces. *Journal of Computational Physics*, 118(2):269–277, May 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710984`.

Adams:1996:HRH

[AS96] N. A. Adams and K. Shariff. A high-resolution hybrid compact-ENO scheme for shock-turbulence interaction problems. *Journal of Computational Physics*, 127(1):27–51, August 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901564`.

Adalsteinsson:1997:LSA

[AS97] D. Adalsteinsson and J. A. Sethian. A level set approach to a unified model for etching, deposition, and lithography. *Journal of Computational Physics*, 138(1):193–223, November 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958174`.

Adalsteinsson:1999:FCE

[AS99a] D. Adalsteinsson and J. A. Sethian. The fast construction of extension velocities in level set methods. *Journal of Computational Physics*, 148(1):2–22, January 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960909`.

Armfield:1999:FSM

[AS99b] S. Armfield and R. Street. The fractional-step method for the Navier–Stokes equations on staggered grids: The accuracy of three variations. *Journal of Computational Physics*, 153(2):660–665, August 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962757`.

Aslan:1999:MFS

[Asl99] Necdet Aslan. MHD–A: a fluctuation splitting wave model for planar magnetohydrodynamics. *Journal of Computational Physics*, 153(2):437–466, August 10, 1999. CODEN

JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919996285X.

Akopov:1991:MGP

[ASTAS91] N. Z. Akopov, G. K. Savvidy, and N. G. Ter-Arutyunyan-Savvidy. Matrix generator of pseudorandom numbers. *Journal of Computational Physics*, 97(2):573–579, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190016E.

Asethian:1992:CGD

[AT92] James Asethian and John Train. Crystal growth and dendritic solidification. *Journal of Computational Physics*, 98(1):178–179, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192901874.

Abagyan:1999:IFP

[AT99] Ruben A. Abagyan and Maxim Totrov. Ab initio folding of peptides by the optimal-bias Monte Carlo minimization procedure. *Journal of Computational Physics*, 151(1):402–421, May 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199962332.

Alvarez:1999:NAM

[AWY99] Alberto Alvarez, Cheng-Ching Wang, and Zhen Ye. A numerical algorithm of the multiple scattering from an ensemble of arbitrary scatterers. *Journal of Computational Physics*, 154(1):231–236, September 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199963076.

Azmy:1999:ICA

[Azm99] Y. Y. Azmy. Iterative convergence acceleration of neutral particle transport methods via adjacent-cell preconditioners. *Journal of Computational Physics*, 152(1):359–384, June 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199962514.

Ben-Artzi:1990:CRD

[BAB90] Matania Ben-Artzi and Amnon Birman. Computation of reactive duct flows in external fields. *Journal of Computational Physics*, 86(1):225–255, January 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090099M`.

Baines:1997:IAR

[Bai97] M. J. Baines. Introduction to "Approximate Riemann Solvers, Parameter Vectors, and Difference Schemes". *Journal of Computational Physics*, 135(2):249, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957284`.

Balashazy:1994:SPT

[Bal94a] Imre Balásházy. Simulation of particle trajectories in bifurcating tubes. *Journal of Computational Physics*, 110(1):11–22, January 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710023`.

Balsara:1994:RSR

[Bal94b] Dinshaw S. Balsara. Riemann solver for relativistic hydrodynamics. *Journal of Computational Physics*, 114(2):284–297, October 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711673`.

Balsara:1995:NSA

[Bal95] Dinshaw S. Balsara. von Neumann stability analysis of smoothed particle hydrodynamics-suggestions for optimal algorithms. *Journal of Computational Physics*, 121(2):357–372, October 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919590221X`.

Barnes:1990:MTC

[Bar90] Joshua E. Barnes. A modified tree code: Don't laugh; it runs. *Journal of Computational Physics*, 87(1):161–170, March 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716

(electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090232P.

Barenghi:1991:CTT

[Bar91a] Carlo F. Barenghi. Computations of transitions and Taylor vortices in temporally modulated Taylor–Couette flow. *Journal of Computational Physics*, 95(1):175–194, July 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190258M.

Barros:1991:MMT

[Bar91b] Saulo R. M. Barros. Multigrid methods for two- and three-dimensional Poisson-type equations on the sphere. *Journal of Computational Physics*, 92(2):313–348, February 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999191902135.

Barcza:1994:CNS

[Bar94] S. Barcza. On a class of non-separable quantum-mechanical eigenvalue problems: Analytical and technical considerations within the frame of a Born expansion method. *Journal of Computational Physics*, 110(2):242–256, February 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184710229.

Basile:1992:RACb

[Bas92] A. G. Basile. A relaxation algorithm for classical paths as a function of ende points: Application to the semiclassical propagator for far-from-caustic and near-caustic coditions. *Journal of Computational Physics*, 99(2):352, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290224M.

Bauer:1997:HAE

[Bau97] Robert Bruce Bauer. A hybrid adaptive ENO scheme. *Journal of Computational Physics*, 136(1):180–196, September 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197957661.

Bailey:1990:NMA

[BB90a] Harry E. Bailey and Richard M. Beam. Newton's method applied to finite-difference approximations for the steady-state compressible Navier–Stokes equations. *Journal of Computational Physics*, 89(1):251, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090126L`.

Brieger:1990:SCA

[BB90b] Leesa M. Brieger and Ernesto Bonomi. A stochastic cellular automation model of non-linear diffusion and diffusion with reaction. *Journal of Computational Physics*, 90(1):269, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090215M`.

Bailey:1991:NMA

[BB91a] Harry E. Bailey and Richard M. Beam. Newton's method applied to finite-difference approximations for the steady-state compressible Navier–Stokes equations. *Journal of Computational Physics*, 93(1):108–127, March 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190075V`.

Bernstein:1991:NMS

[BB91b] Ira B. Bernstein and Leigh Brookshaw. A numerical method for solving systems of linear ordinary differential equations with rapidly oscillating solutions. *Journal of Computational Physics*, 94(1):251, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190148E`.

Brieger:1991:SCA

[BB91c] Leesa M. Brieger and Ernesto Bonomi. A stochastic cellular automaton model of non-linear diffusion and diffusion with reaction. *Journal of Computational Physics*, 94(2):467–486, June 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191902319`.

Bakhoum:1996:GSL

[BB96] Ezzat G. Bakhoum and John A. Board, Jr. The geometric solution of Laplace's equation. *Journal of Computational Physics*, 123(2):274–295, February 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900248`.

Borggaard:1997:PSE

[BB97a] Jeff Borggaard and John Burns. A PDE sensitivity equation method for optimal aerodynamic design. *Journal of Computational Physics*, 136(2):366–384, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957430`.

Boris:1997:FCT

[BB97b] Jay P. Boris and David L. Book. Flux-corrected transport. *Journal of Computational Physics*, 135(2):172–186, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957004`.

Besson:1990:NME

[BBC+90] O. Besson, J. Bourgeois, P.-A Chevalier, J. Rappaz, and R. Touzani. Numerical modeling of electromagnetic casting processes. *Journal of Computational Physics*, 89(1):253, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090133L`.

Besson:1991:NME

[BBC+91] O. Besson, J. Bourgeois, P.-A Chevalier, J. Rappaz, and R. Touzani. Numerical modelling of electromagnetic casting processes. *Journal of Computational Physics*, 92(2):482–507, February 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190219B`.

Bernstein:1992:NMSa

[BBF92a] Ira B. Bernstein, Leigh Brookshaw, and Peter A. Fox. A numerical method for solving systems of linear ordinary differential equations with rapidly oscillating solutions. *Jour-*

nal of Computational Physics, 98(1):179, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290191Z`.

Bernstein:1992:NMSb

[BBF92b] Ira B. Bernstein, Leigh Brookshaw, and Peter A. Fox. A numerical method for solving systems of linear ordinary differential equations with rapidly oscillating solutions. *Journal of Computational Physics*, 98(2):269–284, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290142L`.

Baldwin:1999:ILS

[BBF+99] Chuck Baldwin, Peter N. Brown, Robert Falgout, Frank Graziani, and Jim Jones. Iterative linear solvers in a 2D radiation-hydrodynamics code: Methods and performance. *Journal of Computational Physics*, 154(1):1–40, September 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962903`.

Braess:1993:MGM

[BBGL93] Dietrich Braess, Michael Biebighäuser, Peter Grassberger, and Ricardo Leuverink. Multi-grid methods for steady state diffusion in random media. *Journal of Computational Physics*, 107(1): 118–123, July 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711290`.

Boillat:1990:DLB

[BBK90] J. E. Boillat, F. Bruge, and P. G. Kropf. A dynamic load balancing algorithm for molecular dynamics simulation on multiprocessor systems. *Journal of Computational Physics*, 91(1):253, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090029Z`.

Boillat:1991:DLB

[BBK91] J. E. Boillat, F. Brugé, and P. G. Kropf. A dynamic load-balancing algorithm for molecular dynamics simulation on multiprocessor systems. *Journal of Computational Physics*, 96(1):1–14, September 1991. CODEN JCTPAH. ISSN 0021-9991 (print),

1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190263K.

Boomkamp:1997:CCM

[BBMB97] P. A. M. Boomkamp, B. J. Boersma, R. H. M. Miesen, and G. V. Beijnon. A Chebyshev collocation method for solving two-phase flow stability problems. *Journal of Computational Physics*, 132(2):191–200, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196955710.

Buet:1998:CED

[BC98] C. Buet and S. Cordier. Conservative and entropy decaying numerical scheme for the isotropic Fokker–Planck–Landau equation. *Journal of Computational Physics*, 145(1):228–245, September 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960156.

Bennett:1999:OBC

[BC99] A. F. Bennett and B. S. Chua. Open boundary conditions for Lagrangian geophysical fluid dynamics. *Journal of Computational Physics*, 153(2):418–436, August 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199962848.

Buet:1997:FAN

[BCDL97] C. Buet, S. Cordier, P. Degond, and M. Lemou. Fast algorithms for numerical, conservative, and entropy approximations of the Fokker–Planck–Landau equation. *Journal of Computational Physics*, 133(2):310–322, May 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197956692.

Bayliss:1995:AAS

[BCM95a] Alvin Bayliss, Andreas Class, and Bernard J. Matkowsky. Adaptive approximation of solutions to problems with multiple layers by Chebyshev pseudo-spectral methods. *Journal of Computational Physics*, 116(1):160–172, January 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999185710145.

Bayliss:1995:REC

[BCM95b] Alvin Bayliss, Andreas Class, and Bernard J. Matkowsky. Roundoff error in computing derivatives using the Chebyshev differentiation matrix. *Journal of Computational Physics*, 116(2):380–383, February 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185710364.

Beylkin:1999:FSP

[BCM99a] Gregory Beylkin, Nicholas Coult, and Martin J. Mohlenkamp. Fast spectral projection algorithms for density-matrix computations. *Journal of Computational Physics*, 152(1):32–54, June 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199962150.

Birgin:1999:EOC

[BCM99b] Ernesto G. Birgin, Ivan Chambouleyron, and José Mario Martínez. Estimation of the optical constants and the thickness of thin films using unconstrained optimization. *Journal of Computational Physics*, 151(2):862–880, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199962241.

Budd:1999:NSS

[BCR99] Chris J. Budd, Shaohua Chen, and Robert D. Russell. New self-similar solutions of the nonlinear Schrödinger equation with moving mesh computations. *Journal of Computational Physics*, 152(2):756–789, July 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199962629.

Baglama:1998:CFS

[BCRR98] J. Baglama, D. Calvetti, L. Reichel, and A. Ruttan. Computation of a few small eigenvalues of a large matrix with application to liquid crystal modeling. *Journal of Computational Physics*, 146(1):203–226, October 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999198960648.

Burtsev:1998:NAD

[BCT98] S. Burtsev, R. Camassa, and I. Timofeyev. Numerical algorithms for the direct spectral transform with applications to nonlinear Schrödinger type systems. *Journal of Computational Physics*, 147(1):166–186, November 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960879.

Beckers:1993:SFS

[BD93] Jean-Marie Beckers and Eric Deleersnijder. Stability of a FBTCS scheme applied to the propagation of shallow-water inertia-gravity waves on various space grids. *Journal of Computational Physics*, 108(1):95–104, September 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183711666.

Berghezan:1994:NSS

[BD94a] D. Berghezan and F. Dupret. Numerical simulation of stratified coating flow by a variational method. *Journal of Computational Physics*, 111(1):165–182, March 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184710527.

Bhattacharyya:1994:ENA

[BD94b] Satadal Bhattacharyya and Tapan Kumar Das. An efficient numerical algorithm for calculation of matrix elements of trinucleon system with realistic potentials. *Journal of Computational Physics*, 114(2):308–311, October 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711697.

Banas:1996:ECA

[BD96] K. Banaś and L. Demkowicz. Entropy controlled adaptive finite element simulations for compressible gas flow. *Journal of Computational Physics*, 126(1):181–201, June 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901291.

Benamou:1997:DDM

[BD97a] Jean-David Benamou and Bruno Desprès. A domain decomposition method for the Helmholtz equation and related optimal control problems. *Journal of Computational Physics*, 136(1):68–82, September 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957429`.

Bertagnolio:1997:SDC

[BD97b] F. Bertagnolio and O. Daube. Solution of the div-curl problem in generalized curvilinear coordinates. *Journal of Computational Physics*, 138(1):121–152, November 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958009`.

Bezard:1999:ESI

[BD99] Fabienne Bezard and Bruno Després. An entropic solver for ideal Lagrangian magnetohydrodynamics. *Journal of Computational Physics*, 154(1):65–89, September 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963003`.

Belova:1997:HSE

[BDC97] E. V. Belova, R. E. Denton, and A. A. Chan. Hybrid simulations of the effects of energetic particles on low-frequency MHD waves. *Journal of Computational Physics*, 136(2):324–336, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957387`.

Byers:1994:NIG

[BDML94] J. A. Byers, A. M. Dimits, Y. Matsuda, and A. B. Langdon. Numerical instability in a 2D gyrokinetic code caused by divergent $E \times B$ flow. *Journal of Computational Physics*, 115(2):352–365, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184712010`.

Bramley:1991:NSE

[BDR91] S. Bramley, L. Dieci, and R. D. Russell. Numerical solution of eigenvalue problems for linear boundary value ODEs. *Jour-*

nal of Computational Physics, 94(2):382–402, June 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190226B`.

Beckermann:1999:MMC

[BDS+99] C. Beckermann, H.-J Diepers, I. Steinbach, A. Karma, and X. Tong. Modeling melt convection in phase-field simulations of solidification. *Journal of Computational Physics*, 154(2):468–496, September 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963234`.

Breuer:1991:EIC

[BE91] Kenneth S. Breuer and Richard M. Everson. On the errors incurred calculating derivatives using Chebyshev polynomials. *Journal of Computational Physics*, 94(1):250–251, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190147D`.

Breuer:1992:EICa

[BE92a] Kenneth S. Breuer and Richard M. Everson. On the errors incurred calculating derivatives using Chebyshev polynomials. *Journal of Computational Physics*, 98(2):347, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290149S`.

Breuer:1992:EICb

[BE92b] Kenneth S. Breuer and Richard M. Everson. On the errors incurred calculating derivatives using Chebyshev polynomials. *Journal of Computational Physics*, 99(1):56–67, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192902743`.

Beckers:1994:DIF

[Bec94] Jean-Marie Beckers. On destabilizing implicit factors in discrete advection-diffusion equations. *Journal of Computational Physics*, 111(2):260–265, April 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710618`.

Bellan:1997:ENM

[Bel97] P. M. Bellan. An effective numerical method for linear mode conversion problems. *Journal of Computational Physics*, 136(2):654–659, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957922`.

Benson:1990:EFD

[Ben90] Alvin K. Benson. An explicit finite-difference solution to the wave equation with variable velocity. *Journal of Computational Physics*, 87(1):47–60, March 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190902240`.

Benson:1992:ASAa

[Ben92a] Alvin K. Benson. An anti-spatial-aliasing filter for explicit modeling and imaging in inhomogeneous media. *Journal of Computational Physics*, 98(2):348, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290157T`.

Benson:1992:ASAb

[Ben92b] Alvin K. Benson. An anti-spatial-aliasing filter for explicit modeling and imaging in inhomogeneous media. *Journal of Computational Physics*, 99(2):183–189, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192901999`.

Benson:1992:MASb

[Ben92c] David J. Benson. Momentum advection on a staggered mesh. *Journal of Computational Physics*, 99(1):181, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290299E`.

Benson:1992:MASa

[Ben92d] David J. Benson. Momentum advection on a staggered mesh. *Journal of Computational Physics*, 100(1):143–162, May 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290316Q`.

Benson:1995:DIE

[Ben95] Alvin K. Benson. Decomposition and inversion of elastic reflection data: First-order angular dependence and applications. *Journal of Computational Physics*, 121(1):102–114, October 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711825`.

Benamou:1996:BRT

[Ben96] Jean-David Benamou. Big ray tracing: Multivalued travel time field computation using viscosity solutions of the eikonal equation. *Journal of Computational Physics*, 128(2):463–474, October 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902247`.

Berenger:1994:PML

[Ber94] Jean-Pierre Berenger. A perfectly matched layer for the absorption of electromagnetic waves. *Journal of Computational Physics*, 114(2):185–200, October 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711594`.

Bernard:1995:DVS

[Ber95] Peter S. Bernard. A deterministic vortex sheet method for boundary layer flow. *Journal of Computational Physics*, 117(1):132–145, March 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710510`.

Berenger:1996:TDP

[Ber96] Jean-Pierre Berenger. Three-dimensional perfectly matched layer for the absorption of electromagnetic waves. *Journal of Computational Physics*, 127(2):363–379, September 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901813`.

Bralic:1990:AGR

[BES90] N. Bralić, R. Espinosa, and C. Saavedra. An algorithm for the generation of random numbers with density $C \exp(-\lambda|x|^{\nu})$. *Journal of Computational Physics*, 88(2):484–489, June 1990. CO-

DEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190901913.

Bahar:1994:FWS

[BES94] E. Bahar and M. El-Shenawee. Full wave single and double scatter from rough surfaces. *Journal of Computational Physics*, 115(2):390–398, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184712046.

Beyer:1991:CMC

[Bey91] Richard P. Beyer, Jr. A computational model of the cochlea using the immersed boundary method. *Journal of Computational Physics*, 94(1):251–252, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190150J.

Beyer:1992:CMC

[Bey92] Richard P. Beyer, Jr. A computational model of the cochlea using the immersed boundary method. *Journal of Computational Physics*, 98(1):145–162, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192901807.

Bruge:1991:SCA

[BF91] Filippo Brugé and Sandro L. Fornili. On the systolic calculation of all-pairs interactions using transputer arrays. *Journal of Computational Physics*, 96(1):224–228, September 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190273N.

Birdsall:1997:CCC

[BF97] Charles K. Birdsall and Dieter Fuss. Clouds-in-clouds, clouds-in-cells physics for many-body plasma simulation. *Journal of Computational Physics*, 135(2):141–148, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197957235.

Bruno:1994:FNS

[BFGG94] E. Bruno, G. M. Florio, B. Ginatempo, and E. S. Giuliano. Fast numerical solution of KKR–CPA equations: Testing new algorithms. *Journal of Computational Physics*, 111(2):248–255, April 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918471059X`.

Boschitsch:1999:FAM

[BFO99] Alexander H. Boschitsch, Marcia O. Fenley, and Wilma K. Olson. A fast adaptive multipole algorithm for calculating screened Coulomb (Yukawa) interactions. *Journal of Computational Physics*, 151(1):212–241, May 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961769`.

Backhaus:1998:ACD

[BFW98] E. Yu Backhaus, J. Fajans, and J. S. Wurtele. Application of contour dynamics to systems with cylindrical boundaries. *Journal of Computational Physics*, 145(1):462–468, September 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960247`.

Basile:1992:RACa

[BG92] A. G. Basile and C. G. Gray. A relaxation algorithm for classical paths as a function of end points: Application to the semiclassical propagator for far-from-caustic and near-caustic conditions. *Journal of Computational Physics*, 101(1):80–93, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290044Y`.

Begue:1999:TDV

[BGB99] M. L. Bégué, A. Ghizzo, and P. Bertrand. Two-dimensional Vlasov simulation of Raman scattering and plasma beat-wave acceleration on parallel computers. *Journal of Computational Physics*, 151(2):458–478, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199961934`.

Bakker:1990:SPC

[BGGT90] A. F. Bakker, G. H. Gilmer, M. H. Grabow, and K. Thompson. A special purpose computer for molecular dynamics calculations. *Journal of Computational Physics*, 90(2):313–335, October 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190901692`.

Bishop:1997:CCE

[BGH+97] Nigel T. Bishop, Roberto Gómez, Paulo R. Holvorcem, Richard A. Matzner, Philippos Papadopoulos, and Jeffrey Winicour. Cauchy-characteristic evolution and waveforms. *Journal of Computational Physics*, 136(1):140–167, September 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957545`.

Bishop:1999:CCE

[BGH+99] Nigel T. Bishop, Roberto Gómez, Paulo R. Holvorcem, Richard A. Matzner, Philippos Papadopoulos, and Jeffrey Winicour. Cauchy-characteristic evolution and waveforms: Volume 136, no. 1 (1997), pages 140–167. *Journal of Computational Physics*, 148(1):299–301, January 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961393`.

Brower:1991:AMC

[BGM91] R. C. Brower, N. A. Gross, and K. J. M. Moriarty. Accelerated Monte Carlo by embedded cluster dynamics. *Journal of Computational Physics*, 95(1):167–174, July 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190257L`.

Bayliss:1995:APS

[BGM95] Alvin Bayliss, Marc Garbey, and Bernard J. Matkowsky. Adaptive pseudo-spectral domain decomposition and the approximation of multiple layers. *Journal of Computational Physics*, 119(1):132–141, June 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711217`.

Bristeau:1998:CMC

[BGP98] M. O. Bristeau, R. Glowinski, and J. Périaux. Controllability methods for the computation of time-periodic solutions: Application to scattering. *Journal of Computational Physics*, 147(2):265–292, December 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960442`.

Bailey:1995:DSM

[BH95] D. W. Bailey and J. M. Higman. A discretized k-space method for charge transport in semiconductors. *Journal of Computational Physics*, 120(1):117–127, August 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711527`.

Bao:1996:NAB

[BH96] Weizhu Bao and Houde Han. Nonlocal artificial boundary conditions for the incompressible viscous flow in a channel using spectral techniques. *Journal of Computational Physics*, 126(1): 52–63, June 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901199`.

Bateson:1998:GPH

[BH98] William B. Bateson and Dennis W. Hewett. Grid and particle hydrodynamics:: Beyond hydrodynamics via fluid element particle-in-cell. *Journal of Computational Physics*, 144(2):358–378, August 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958241`.

Broyde:1999:ECS

[BH99] S. Broyde and B. E. Hingerty. Effective computational strategies for determining structures of carcinogen-damaged DNA. *Journal of Computational Physics*, 151(1):313–332, May 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961721`.

Brun:1999:ARS

[BHJU99] G. Brun, J.-M Hérard, D. Jeandel, and M. Uhlmann. An approximate Riemann solver for second-moment closures. *Journal of Computational Physics*, 151(2):990–996, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199961909`.

Braverman:1998:FPS

[BIAV98] E. Braverman, M. Israeli, A. Averbuch, and L. Vozovoi. A fast 3D Poisson solver of arbitrary order accuracy. *Journal of Computational Physics*, 144(1):109–136, July 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960016`.

Bihari:1996:MSC

[Bih96] Barna L. Bihari. Multiresolution schemes for conservation laws with viscosity. *Journal of Computational Physics*, 123(1):207–225, January 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900170`.

Bilbao:1990:TDL

[Bil90] L. Bilbao. A three-dimensional Lagrangian method for fluid dynamics. *Journal of Computational Physics*, 91(2):361–380, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090042Y`.

Bishop:1995:MBL

[Bis95] David G. Bishop. Material-based limiters for the time-domain Maxwell equations with thin conducting sheets. *Journal of Computational Physics*, 121(1):115–128, October 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711837`.

Bruneau:1990:ESS

[BJ90] Charles-Henri Bruneau and Claude Jouron. An efficient scheme for solving steady incompressible Navier–Stokes equations. *Journal of Computational Physics*, 89(2):389–413, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/002199919090149U.

Bertolotti:1995:EFF

[BJ95] Fabio P. Bertolotti and Ronald D. Joslin. Effect of far-field boundary conditions on boundary-layer transition. *Journal of Computational Physics*, 118(2):392–395, May 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185711096.

Bernard:1991:HDP

[BK91] Robert S. Bernard and Hartmut Kapitza. How to discretize the pressure gradient for curvilinear MAC grids. *Journal of Computational Physics*, 97(2):582, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190023E.

Bernard:1992:HDPa

[BK92a] Robert S. Bernard and Hartmut Kapitza. How to discretize the pressure gradient for curvilinear MAC grids. *Journal of Computational Physics*, 99(1):179–180, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290290F.

Bernard:1992:HDPb

[BK92b] Robert S. Bernard and Hartmut Kapitza. How to discretize the pressure gradient for curvilinear MAC grids. *Journal of Computational Physics*, 99(2):288–298, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290208G.

Babu:1993:DSP

[BK93] V. Babu and Seppo A. Korpela. On the direct solution of Poisson's equation on a non-uniform grid. *Journal of Computational Physics*, 104(1):93–98, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183710119.

Batcho:1994:GSE

[BK94] Paul F. Batcho and George Em Karniadakis. Generalized Stokes eigenfunctions: a new trial basis for the solution of incompressible Navier–Stokes equations. *Journal of Computational Physics*, 115(1):121–146, November 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918471182X`.

Beylkin:1997:ANS

[BK97a] Gregory Beylkin and James M. Keiser. On the adaptive numerical solution of nonlinear partial differential equations in wavelet bases. *Journal of Computational Physics*, 132(2):233–259, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919695562X`.

Bylander:1997:WBF

[BK97b] D. M. Bylander and Leonard Kleinman. White and Bird's formulation of gradient-corrected exchange-correlation potentials applied to atoms. *Journal of Computational Physics*, 136 (2):599–602, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957843`.

Borba:1999:CKS

[BK99] Duarte Borba and Wolfgang Kerner. CASTOR–K: Stability analysis of Alfvén eigenmodes in the presence of energetic ions in tokamaks. *Journal of Computational Physics*, 153(1):101–138, July 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962642`.

Bayliss:1990:TDA

[BKM90] A. Bayliss, R. Kuske, and B. J. Matkowsky. A two-dimensional adaptive pseudo-spectral method. *Journal of Computational Physics*, 91(1):174–196, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090010X`.

Beason:1991:UPI

[BKP91] J. Douglas Beason, David S. Kershaw, and Manoj K. Prasad. Using physical insight: The relativistic Compton scattering kernel for radiative transfer. *Journal of Computational Physics*, 95(2):497–504, August 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190287U`.

Barmin:1996:SCA

[BKP96] A. A. Barmin, A. G. Kulikovskiy, and N. V. Pogorelov. Shock-capturing approach and nonevolutionary solutions in magnetohydrodynamics. *Journal of Computational Physics*, 126(1):77–90, June 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901217`.

Beylkin:1998:NCT

[BKV98] Gregory Beylkin, James M. Keiser, and Lev Vozovoi. A new class of time discretization schemes for the solution of nonlinear PDEs. *Journal of Computational Physics*, 147(2):362–387, December 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960934`.

Brackbill:1992:CMM

[BKZ92] J. U. Brackbill, D. B. Kothe, and C. Zemach. A continuum method for modeling surface tension. *Journal of Computational Physics*, 100(2):335–354, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290240Y`.

Brandt:1990:MMMa

[BL90a] A. Brandt and A. A. Lubrecht. Multilevel matrix multiplication and fast solution of integral equations. *Journal of Computational Physics*, 87(2):494, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190902642`.

Brandt:1990:MMMb

[BL90b] A. Brandt and A. A. Lubrecht. Multilevel matrix multiplication and fast solution of integral equations. *Journal of*

Computational Physics, 90(2):348–370, October 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090171V`.

Blayo:1992:PCM

[BL92] E. Blayo and C. Le Provost. Performance of the capacitance matrix method for solving Helmholtz type equations in ocean modelling. *Journal of Computational Physics*, 102(2):424, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290388F`.

Blayo:1993:PCM

[BL93] E. Blayo and C. LeProvost. Performance of the capacitance matrix method for solving Helmhotz-type equations in ocean modelling. *Journal of Computational Physics*, 104(2):347–360, February 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710363`.

Brackbill:1994:MSF

[BL94] J. W. Brackbill and Giovanni Lapenta. A method to suppress the finite-grid instability in plasma simulations. *Journal of Computational Physics*, 114(1):77–84, September 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711508`.

Brieger:1998:PMP

[BL98] Leesa Brieger and Giuditta Lecca. Parallel multigrid preconditioning of the conjugate gradient method for systems of subsurface hydrology. *Journal of Computational Physics*, 142(1):148–162, May 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959162`.

Bae:1999:UNF

[BL99] Song-Hyo Bae and Richard T. Lahey, Jr. On the use of nonlinear filtering, artificial viscosity, and artificial heat transfer for strong shock computations. *Journal of Computational Physics*, 153(2):575–595, August 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999199962964.

Borgers:1992:ADLa

[BLA92a] Christoph Borgers, Edward W. Larsen, and Marvin L. Adams. The asymptotic diffusion limit of a linear discontinuous discretization of a two-dimensional linear transport equation. *Journal of Computational Physics*, 98(1):179, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192901922.

Borgers:1992:ADLb

[BLA92b] Christoph Börgers, Edward W. Larsen, and Marvin L. Adams. The asymptotic diffusion limit of a linear discontinuous discretization of a two-dimensional linear transport equation. *Journal of Computational Physics*, 98(2):285–300, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290143M.

Blackbill:1995:E

[Bla95] Jerry Blackbill. Editorial. *Journal of Computational Physics*, 116(1):1–2, January 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185710017.

Batten:1997:ASJ

[BLG97] P. Batten, M. A. Leschziner, and U. C. Goldberg. Average-state Jacobians and implicit methods for compressible viscous and turbulent flows. *Journal of Computational Physics*, 137(1): 38–78, October 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197957934.

Barten:1990:CBM

[BLK90] W. Barten, M. Lücke, and M. Kamps. Conservation and breaking of mirror symmetry in a numerical simulation of vortex flow. *Journal of Computational Physics*, 91(2):486–489, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090050B.

Bond:1999:NPM

[BLL99] Stephen D. Bond, Benedict J. Leimkuhler, and Brian B. Laird. The Nosé–Poincaré method for constant temperature molecular dynamics. *Journal of Computational Physics*, 151(1):114–134, May 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919896171X`.

Blum:1992:CCSa

[BLMR92] V. Blum, G. Lauritsch, J. A. Maruhn, and P.-G Reinhard. Comparison of coordinate-space techniques in nuclear mean-field calculations. *Journal of Computational Physics*, 100(2):364–376, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290242Q`.

Brady:1998:RVS

[BLP98] M. Brady, A. Leonard, and D. I. Pullin. Regularized vortex sheet evolution in three dimensions. *Journal of Computational Physics*, 146(2):520–545, November 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959988`.

Bourgat:1996:CBN

[BLT96] Jean-François Bourgat, Patrick Le Tallec, and Moulay Tidriri. Coupling Boltzmann and Navier–Stokes equations by friction. *Journal of Computational Physics*, 127(2):227–245, September 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901722`.

Blum:1992:CCSb

[Blu92] V. Blum. Comparison of coordinated-space techniques in nuclear mean-field calculations. *Journal of Computational Physics*, 99 (2):351, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290218N`.

Bonazzola:1990:TDG

[BM90a] Silvano Bonazzola and Jean-Alain Marck. Three-dimensional gas dynamics in a sphere. *Journal of Computational Physics*,

87(1):201–230, March 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090234R.

Bouaoudia:1990:FAS

[BM90b] S. Bouaoudia and P. S. Marcus. Fast and accurate spectral treatment of coordinate singularities. *Journal of Computational Physics*, 91(1):254, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090034X.

Bonazzola:1991:ETSa

[BM91a] Silvano Bonazzola and Jean-Alain Marck. A 1D exact treatment of shock waves within spectral methods in plane geometry. *Journal of Computational Physics*, 93(2):486, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190199U.

Bonazzola:1991:ETSb

[BM91b] Silvano Bonazzola and Jean-Alain Marck. A 1D exact treatment of shock waves within spectral methods in plane geometry. *Journal of Computational Physics*, 97(2):535–552, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190012A.

Bouaoudia:1991:FAS

[BM91c] S. Bouaoudia and P. S. Marcus. Fast and accurate spectral treatment of coordinate singularities. *Journal of Computational Physics*, 96(1):217–223, September 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190272M.

Bell:1992:SOP

[BM92] John B. Bell and Daniel L. Marcus. A second-order projection method for variable-density flows. *Journal of Computational Physics*, 101(2):334–348, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290011M.

Balachandar:1994:SMS

[BM94] S. Balachandar and Ravi K. Madabhushi. Spurious modes in spectral collocation methods with two non-periodic directions. *Journal of Computational Physics*, 113(1):151–153, July 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711259`.

Baras:1995:PSC

[BMGM95] F. Baras, M. Malek Mansour, A. L. Garcia, and M. Mareschal. Particle simulation of complex flows in dilute systems. *Journal of Computational Physics*, 119(1):94–104, June 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711187`.

Bertagnolli:1997:TSS

[BMJ+97] Mauro Bertagnolli, Maurizio Marchese, Gianni Jacucci, Ioannis St. Doltsinis, and Swen Noelting. Thermomechanical simulation of the splashing of ceramic droplets on a rigid substrate. *Journal of Computational Physics*, 133(2):205–221, May 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196954686`.

Bielak:1995:SCM

[BMZ95] Jacobo Bielak, Richard C. Maccamy, and Xiaogang Zeng. Stable coupling method for interface scattering problems by combined integral equations and finite elements. *Journal of Computational Physics*, 119(2):374–384, July 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711412`.

Bolton:1994:EGR

[BN94] Kim Bolton and Sture Nordholm. An evaluation of the Gauss–Radau algorithm for the simulation of chemical dynamics. *Journal of Computational Physics*, 113(2):320–335, August 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711399`.

Briley:1996:ILU

[BNW96] W. Roger Briley, Shyam S. Neerarambam, and David L. Whitfield. Implicit lower-upper/approximate-factorization schemes for incompressible flows. *Journal of Computational Physics*, 128(1):32–42, October 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901941`.

Boffetta:1992:CDS

[BO92] G. Boffetta and A. R. Osborne. Computation of the direct scattering transform for the nonlinear Schrödinger equation. *Journal of Computational Physics*, 102(2):252–264, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290370E`.

Birk:1996:TDP

[BO96] G. T. Birk and A. Otto. A three-dimensional plasma-neutral gas-fluid code. *Journal of Computational Physics*, 125(2):513–525, May 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901126`.

Borges:1998:PDT

[BO98] Leonardo Borges and Suely Oliveira. A parallel Davidson-type algorithm for several eigenvalues. *Journal of Computational Physics*, 144(2):727–748, August 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919896003X`.

Board:1997:IFA

[Boa97] John A. Board, Jr. Introduction to "A Fast Algorithm for Particle Simulations". *Journal of Computational Physics*, 135(2):279, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957624`.

Borgers:1991:ADL

[Bor91a] C. Borgers. The asymptotic diffusion limit of a linear discontinuous discretization of a two-dimensional linear transport equation. *Journal of Computational Physics*, 94(1):254, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/002199919190158H.

Borne:1991:HSF

[Bor91b] Lionel Borne. Harmonic Stokes flaw through periodic porous media. A 3D boundary element method. *Journal of Computational Physics*, 97(2):582–583, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190026H.

Borne:1992:HSFa

[Bor92a] Lionel Borne. Harmonic Stokes flow through periodic porous media: a 3D boundary element method. *Journal of Computational Physics*, 99(1):179, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192902868.

Borne:1992:HSFb

[Bor92b] Lionel Borne. Harmonic Stokes flow through periodic porous media: a 3D boundary element method. *Journal of Computational Physics*, 99(2):214–232, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290204C.

Borgers:1997:FIM

[Bör97] Christoph Börgers. A fast iterative method for computing particle beams penetrating matter. *Journal of Computational Physics*, 133(2):323–339, May 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197956710.

Bottura:1996:NMS

[Bot96] L. Bottura. A numerical model for the simulation of quench in the ITER magnets. *Journal of Computational Physics*, 125(1): 26–41, April 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900777.

Bottino:1998:MVN

[Bot98] Dean C. Bottino. Modeling viscoelastic networks and cell deformation in the context of the immersed boundary method.

Journal of Computational Physics, 147(1):86–113, November 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960740`.

Boyd:1990:VMC

[Boy90] Iain D. Boyd. Vectorization of a Monte Carlo simulation scheme for nonequilibrium gas dynamics. *Journal of Computational Physics*, 91(2):495, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190900534`.

Boyd:1991:VMC

[Boy91a] Iain D. Boyd. Vectorization of a Monte Carlo simulation scheme for nonequilibrium gas dynamics. *Journal of Computational Physics*, 96(2):411–427, October 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190243E`.

Boyd:1991:ATK

[Boy91b] John P. Boyd. The arctan/tan and Kepler–Burger mappings for periodic solutions with a shock, internal boundary layer. *Journal of Computational Physics*, 93(1):250, March 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190082V`.

Boyd:1992:ATK

[Boy92a] John P. Boyd. The arctan/tan and Kepler–Burgers mappings for periodic solutions with a shock, front, or internal boundary layer. *Journal of Computational Physics*, 98(2):181–193, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290136M`.

Boyd:1992:FACa

[Boy92b] John P. Boyd. A fast algorithm for Chebyshev, Fourier, and sinc interpolation onto an irregular grid. *Journal of Computational Physics*, 101(1):228, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192900668`.

Boyd:1992:FACb

[Boy92c] John P. Boyd. A fast algorithms for Chebyshev, Fourier and sinc interpolation onto an irregular grid. *Journal of Computational Physics*, 103(2):243–257, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290399J`.

Boyd:1992:MEP

[Boy92d] John P. Boyd. Multipole expansions and pseudospectral cardinal functions: A new generalization of the Fast Fourier Transform. *Journal of Computational Physics*, 103(1):184–186, November 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290333T`.

Boyd:1994:RCF

[Boy94] John P. Boyd. The rate of convergence of Fourier coefficients for entire functions of infinite order with application to the Weideman–Cloot sinh-mapping for pseudospectral computations on an infinite interval. *Journal of Computational Physics*, 110(2):360–372, February 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710321`.

Boyd:1995:CPI

[Boy95a] John P. Boyd. A Chebyshev polynomial interval-searching method ("Lanczos economization") for solving a nonlinear equation with application to the nonlinear eigenvalue problem. *Journal of Computational Physics*, 118(1):1–8, April 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710753`.

Boyd:1995:HPM

[Boy95b] John P. Boyd. A hyperasymptotic perturbative method for computing the radiation coefficient for weakly nonlocal solitary waves. *Journal of Computational Physics*, 120(1):15–32, August 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711461`.

Boyd:1996:NCN

[Boy96a] John P. Boyd. Numerical computations of a nearly singular nonlinear equation: Weakly nonlocal bound states of solitons for the fifth-order Korteweg–de Vries equation. *Journal of Computational Physics*, 124(1):55–70, March 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900443`.

Boyd:1996:TSE

[Boy96b] John P. Boyd. Traps and snares in eigenvalue calculations with application to pseudospectral computations of ocean tides in a basin bounded by meridians. *Journal of Computational Physics*, 126(1):11–20, June 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901163`. See correction [Boy97a].

Boyd:1997:CPT

[Boy97a] John P. Boyd. A correction to the paper "Traps and Snares in Eigenvalue Calculations with Application to Pseudospectral Computations of Ocean Tides in a Basin Bounded by Meridians". *Journal of Computational Physics*, 136(1):227–228, September 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957533`. See [Boy96b].

Boyd:1997:PDF

[Boy97b] John P. Boyd. Pseudospectral/Delves–Freeman computations of the radiation coefficient for weakly nonlocal solitary waves of the third-order nonlinear Schrödinger equation and their relation to hyperasymptotic perturbation theory. *Journal of Computational Physics*, 138(2):665–694, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919795840X`.

Boyd:1998:TCF

[Boy98] John P. Boyd. Two comments on filtering (artificial viscosity) for Chebyshev and Legendre spectral and spectral element methods: Preserving boundary conditions and interpretation of the filter as a diffusion. *Journal of Computational Physics*, 143(1):283–288, June 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print),

1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959617.

Baden:1990:FVM

[BP90] Scott B. Baden and Elbridge Gerry Puckett. A fast vortex method for computing 2D viscous flow. *Journal of Computational Physics*, 91(2):278–297, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190900383.

Brydon:1998:SSD

[BPM98] David Brydon, John Pearson, and Michael Marder. Solving stiff differential equations with the method of patches. *Journal of Computational Physics*, 144(2):280–298, August 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960089.

Bakker:1995:SFG

[BPS95] B. L. G. Bakker, M. I. Polikarpov, and L. V. Shevchenko. Scattering in the framework of the Green's function Monte–Carlo method. *Journal of Computational Physics*, 116(2):277–280, February 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185710261.

Baum:1995:ABC

[BPT95] M. Baum, T. Poinsot, and D. Thévenin. Accurate boundary conditions for multicomponent reactive flows. *Journal of Computational Physics*, 116(2):247–261, February 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185710248.

Blunt:1992:IFLa

[BR92a] Martin Blunt and Barry Rubin. Implicit flux limiting schemes for petroleum reservoir simulation. *Journal of Computational Physics*, 101(1):227, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192900587.

Blunt:1992:IFLb

[BR92b] Martin Blunt and Barry Rubin. Implicit flux limiting schemes for petroleum reservoir simulation. *Journal of Computational Physics*, 102(1):194–210, September 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999105800154`.

Broeze:1992:ABCa

[BR92c] J. Broeze and J. E. Romate. Absorbing boundary conditions for free surface wave simulations with a panel method. *Journal of Computational Physics*, 98(2):348, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290154Q`.

Broeze:1992:ABCb

[BR92d] J. Broeze and J. E. Romate. Absorbing boundary conditions for free surface wave simulations with a panel method. *Journal of Computational Physics*, 99(1):146–158, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192902824`.

Black:1994:ACN

[BR94] D. W. Black and A. P. Rothmayer. On accelerating the convergence of nonlinear iterative algorithms. *Journal of Computational Physics*, 111(2):324–335, April 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710667`.

Bassi:1997:HOAa

[BR97a] F. Bassi and S. Rebay. A high-order accurate discontinuous finite element method for the numerical solution of the compressible Navier–Stokes equations. *Journal of Computational Physics*, 131(2):267–279, March 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955722`.

Bassi:1997:HOAb

[BR97b] F. Bassi and S. Rebay. High-order accurate discontinuous finite element solution of the 2D Euler equations. *Journal of*

Computational Physics, 138(2):251–285, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197954541`.

Balakrishnan:1999:PST

[BR99] Karthik Balakrishnan and Palghat A. Ramachandran. A particular solution Trefftz method for non-linear Poisson problems in heat and mass transfer. *Journal of Computational Physics*, 150(1):239–267, March 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961782`.

Brackbill:1990:FMP

[Bra90] J. U. Brackbill. FLIP MHD: a particle-in-cell method for magnetohydrodynamics. *Journal of Computational Physics*, 91(2):497, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190900589`.

Brackbill:1991:FMP

[Bra91] J. U. Brackbill. FLIP MHD: a particle-in-cell method for magnetohydrodynamics. *Journal of Computational Physics*, 96(1):163–192, September 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190270U`.

Brandt:1992:MSHb

[Bra92] A. Brandt. On multigrid solution of high-Reynolds incompressible entering flows. *Journal of Computational Physics*, 99(2):352, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290226O`.

Brackbill:1993:AGD

[Bra93] J. U. Brackbill. An adaptive grid with directional control. *Journal of Computational Physics*, 108(1):38–50, September 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711617`.

Brackbill:1996:Ea

[Bra96a] J. U. Brackbill. Editorial. *Journal of Computational Physics*, 126(1):v, June 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901345`.

Brackbill:1996:Eb

[Bra96b] J. U. Brackbill. Editorial. *Journal of Computational Physics*, 127 (1):1, August 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901539`.

Brackbill:1999:A

[Bra99] J. U. Brackbill. ANNOUNCEMENT. *Journal of Computational Physics*, 150(2):301, April 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962526`.

Brizuela:1995:ANB

[Bri95] Edward Brizuela. Accurate normalisation of the beta-function PDF. *Journal of Computational Physics*, 119(2):385–387, July 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711424`.

Barnett:1991:MCA

[BRL91] R. N. Barnett, P. J. Reynolds, and W. A. Lester, Jr. Monte Carlo algorithms for expectation values of coordinate operators. *Journal of Computational Physics*, 96(2):258–276, October 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190236E`.

Brown:1995:PUR

[Bro95] David L. Brown. Performance of under-resolved two-dimensional incompressible flow simulations. *Journal of Computational Physics*, 122(1):165–183, November 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185712053`.

Bagnoli:1992:GAT

[BRR92] Franco Bagnoli, Raúl Rechtman, and Stefano Ruffo. General algorithm for two-dimensional totalistic cellular automata. *Journal of Computational Physics*, 101(1):176–184, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290051Y`.

Bruge:1992:SCP

[Bru92] F. Brugè. Systolic calculation of pair interactions using the cell linked-lists method on multi-processor systems. *Journal of Computational Physics*, 101(2):454, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290036X`.

Bruge:1993:SCP

[Bru93] F. Brugé. Systolic calculation of pair interactions using the cell linked-lists method on multi-processor systems. *Journal of Computational Physics*, 104(1):263–266, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710259`.

Bryan:1997:NMS

[Bry97] Kirk Bryan. A numerical method for the study of the circulation of the world ocean. *Journal of Computational Physics*, 135(2):154–169, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956990`.

Bratkovsky:1990:CCC

[BS90] A. M. Bratkovsky and S. Yu. Savrasov. On the calculation of combined corrections in the LMTO method. *Journal of Computational Physics*, 88(1):243–249, May 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190902505`.

Breuer:1991:UKL

[BS91a] Kenneth S. Breuer and Lawrence Sirovich. The use of the Karhunen–Loève procedure for the calculation of linear eigenfunctions. *Journal of Computational Physics*, 96(2):277–296,

October 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190237F.

Butler:1991:ESG

[BS91b] Roger A. R. Butler and Edward E. Slaminka. An evaluation of the SNIFFER global optimization algorithm using standard test functions. *Journal of Computational Physics*, 97(2):580, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190019H.

Butler:1992:ESGa

[BS92a] Roger A. R. Butler and Edward E. Slaminka. An evaluation of the sniffer global optimization algorithm using standard test functions. *Journal of Computational Physics*, 98(1):179, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192901885.

Butler:1992:ESGb

[BS92b] Roger A. R. Butler and Edward E. Slaminka. An evaluation of the sniffer global optimization algorithm using standard test functions. *Journal of Computational Physics*, 99(1):28–32, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290271Y.

Biesiadecki:1993:DMT

[BS93] Jeffrey J. Biesiadecki and Robert D. Skeel. Dangers of multiple time step methods. *Journal of Computational Physics*, 109(2):318–328, December 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183712209.

Blosch:1996:SPD

[BS96] Edwin L. Blosch and Wei Shyy. Scalability and performance of data-parallel pressure-based multigrid methods for viscous flows. *Journal of Computational Physics*, 125(2):338–353, May 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900984.

Barth:1998:NSH

[BS98a] Timothy J. Barth and James A. Sethian. Numerical schemes for the Hamilton–Jacobi and level set equations on triangulated domains. *Journal of Computational Physics*, 145(1):1–40, September 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960077`.

Brau:1998:TDF

[BS98b] F. Brau and C. Semay. The three-dimensional Fourier grid Hamiltonian method. *Journal of Computational Physics*, 139(1):127–136, January 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958666`.

Balsara:1999:MPP

[BS99a] Dinshaw S. Balsara and Daniel Spicer. Maintaining pressure positivity in magnetohydrodynamic simulations. *Journal of Computational Physics*, 148(1):133–148, January 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961083`.

Balsara:1999:SMAa

[BS99b] Dinshaw S. Balsara and Daniel S. Spicer. A staggered mesh algorithm using high order Godunov fluxes to ensure solenoidal magnetic fields in magnetohydrodynamic simulations. *Journal of Computational Physics*, 149(2):270–292, March 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961538`.

Balsara:1999:SMAb

[BS99c] Dinshaw S. Balsara and Daniel S. Spicer. A staggered mesh algorithm using high order Godunov fluxes to ensure solenoidal magnetic fields in magnetohydrodynamic simulations: Volume 149, number 1 (1999), pages 270–292. *Journal of Computational Physics*, 153(2):671, August 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963180`.

Beichl:1999:API

[BS99d] Isabel Beichl and Francis Sullivan. Approximating the permanent via importance sampling with application to the dimer covering problem. *Journal of Computational Physics*, 149(1):128–147, February 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961496`.

Bennett:1999:LRR

[BS99e] Beth Anne V. Bennett and Mitchell D. Smooke. Local rectangular refinement with application to nonreacting and reacting fluid flow problems. *Journal of Computational Physics*, 151(2):684–727, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962149`.

Bihari:1999:MSR

[BS99f] Barna L. Bihari and Donald Schwendeman. Multiresolution schemes for the reactive Euler equations. *Journal of Computational Physics*, 154(1):197–230, September 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919996312X`.

Burgess:1992:MMF

[BSB92] D. Burgess, D. Sulsky, and J. U. Brackbill. Mass matrix formulation of the FLIP particle-in-cell method. *Journal of Computational Physics*, 103(1):1–15, November 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290323Q`.

Braun:1996:ECL

[BSPL96] M. Braun, S. A. Sofianos, D. G. Papageorgiou, and I. E. Lagaris. An efficient Chebyshev–Lanczos method for obtaining eigensolutions of the Schrödinger equation on a grid. *Journal of Computational Physics*, 126(2):315–327, July 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901400`.

Baker:1995:WPN

[BST95] Gregory Baker, Michael Siegel, and Saleh Tanveer. A well-posed numerical method to track isolated conformal map singularities in Hele–Shaw flow. *Journal of Computational Physics*, 120(2):348–364, September 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711709`.

Bayliss:1992:MACa

[BT92a] Alvin Bayliss and Eli Turkel. Mappings and accuracy for Chebyshev pseudo-spectral approximations. *Journal of Computational Physics*, 101(1):227, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192900598`.

Bayliss:1992:MACb

[BT92b] Alvin Bayliss and Eli Turkel. Mappings and accuracy for Chebyshev pseudo-spectral approximations. *Journal of Computational Physics*, 101(2):349–359, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290012N`.

Billet:1997:ASE

[BT97a] S. J. Billet and E. F. Toro. On the accuracy and stability of explicit schemes for multidimensional linear homogeneous advection equations. *Journal of Computational Physics*, 131(1):247–250, February 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956107`.

Billett:1997:WTS

[BT97b] S. J. Billett and E. F. Toro. On WAF-type schemes for multidimensional hyperbolic conservation laws. *Journal of Computational Physics*, 130(1):1–24, January 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196954704`.

Beddhu:1996:SCF

[BTW96] Murali Beddhu, Lafayette K. Taylor, and David L. Whitfield. Strong conservative form of the incompressible Navier–

Stokes equations in a rotating frame with a solution procedure. *Journal of Computational Physics*, 128(2):427–437, October 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902211`.

Buell:1991:HNM

[Bue91] Jeffrey C. Buell. A hybrid numerical method for three-dimensional spatially-developing free-shear flows. *Journal of Computational Physics*, 95(2):313–338, August 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190279T`.

Buttke:1990:FAV

[But90a] Thomas F. Buttke. A fast adaptive vortex method for patches of constant vorticity in two dimensions. *Journal of Computational Physics*, 89(1):161–186, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090121G`.

Buttke:1990:VTS

[But90b] Thomas F. Buttke. Vortex tangle simulations. *Journal of Computational Physics*, 87(1):241–244, March 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090237U`.

Buttke:1991:FAV

[But91] Thomas F. Buttke. The fast adaptive vortex method. *Journal of Computational Physics*, 93(2):485, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190198T`.

Budd:1990:NSS

[BW90] C. J. Budd and A. A. Wheeler. A numerical scheme for the solution of the space charge problem on a multiply connected region. *Journal of Computational Physics*, 91(1):251, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090023T`.

Budd:1991:NSS

[BW91] C. J. Budd and A. A. Wheeler. A numerical scheme for the solution of the space charge problem on a multiply connected region. *Journal of Computational Physics*, 97(1):1–29, November 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190036K`.

Bronsard:1995:NMT

[BW95] Lia Bronsard and Brian T. R. Wetton. A numerical method for tracking curve networks moving with curvature motion. *Journal of Computational Physics*, 120(1):66–87, August 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711497`.

Bijl:1998:UMC

[BW98] Hester Bijl and Pieter Wesseling. A unified method for computing incompressible and compressible flows in boundary-fitted coordinates. *Journal of Computational Physics*, 141(2):153–173, April 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959149`.

Boing:1990:CES

[BWJ90] H. Boing, K. Werner, and H. Jackisch. Construction of the entropy solution of hyperbolic conservation laws by a geometrical interpretation of the conservation principle. *Journal of Computational Physics*, 91(1):250, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090019W`.

Brandt:1990:IFO

[BY90] A. Brandt and Irad Yavneh. Inadequacy of first-order upwind difference schemes for some recirculating flows. *Journal of Computational Physics*, 89(1):251, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090127M`.

Brandt:1991:IFO

[BY91] A. Brandt and I. Yavneh. Inadequacy of first-order upwind difference schemes for some recirculating flows. *Journal of Computational Physics*, 93(1):128–143, March 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190076W`.

Brandt:1992:MSHa

[BY92] A. Brandt and I. Yavneh. On multigrid solution of high-Reynolds incompressible entering flows. *Journal of Computational Physics*, 101(1):151–164, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192900495`.

Balachandar:1994:TDF

[BY94] S. Balachandar and D. A. Yuen. Three-dimensional fully spectral numerical method for mantle convection with depth-dependent properties. *Journal of Computational Physics*, 113(1):62–74, July 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711181`.

Bar-Yoseph:1995:STS

[BYMZY95] Pinhas Bar-Yoseph, Eduard Moses, Uzi Zrahia, and Alexander L. Yarin. Space–time spectral element methods for one-dimensional nonlinear advection-diffusion problems. *Journal of Computational Physics*, 119(1):62–74, June 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711163`.

Casper:1993:FVH

[CA93] Jay Casper and H. L. Atkins. A finite-volume high-order ENO scheme for two-dimensional hyperbolic systems. *Journal of Computational Physics*, 106(1):62–76, May 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710910`.

Cai:1993:PEC

[CAA93] DongSheng Cai, Akira Aoyagi, and Kanji Abe. Parametric excitation of computational mode of the leapfrog scheme applied to the

van der Pol equation. *Journal of Computational Physics*, 107(1): 146–151, July 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711319`.

Cally:1990:ICM

[Cal90] P. S. Cally. An inverse coordinate multigrid method for free boundary magnetohydrostatics. *Journal of Computational Physics*, 89(2):490, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090164V`.

Cally:1991:ICM

[Cal91] P. S. Cally. An inverse coordinate multigrid method for free boundary magnetohydrostatics. *Journal of Computational Physics*, 93(2):411–425, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190192N`.

Candela:1995:NMN

[Can95] D. Candela. Numerical methods for nonlinear Fourier analysis, prediction, and filtering. *Journal of Computational Physics*, 117(2):205–214, March 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710595`.

Candy:1996:NMS

[Can96] J. Candy. A numerical method for solution of the generalized Liouville equation. *Journal of Computational Physics*, 129(1):160–169, November 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902405`.

Caramana:1991:DID

[Car91] Edward J. Caramana. Derivation of implicit difference schemes by the method of differential approximation. *Journal of Computational Physics*, 96(2):484–493, October 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190248J`.

Casulli:1990:SIF

[Cas90] Vincenzo Casulli. Semi-implicit finite difference methods for the two-dimensional shallow water equations. *Journal of Computational Physics*, 86(1):56–74, January 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090091E`.

Crutchfield:1994:ISM

[CB94] William Y. Crutchfield and John B. Bell. Instabilities of the Skyrme model. *Journal of Computational Physics*, 110(2):234–241, February 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710217`.

Chen:1996:SEA

[CB96] Gang Chen and Iain D. Boyd. Statistical error analysis for the direct simulation Monte Carlo technique. *Journal of Computational Physics*, 126(2):434–448, July 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901485`.

Chou:1997:KFV

[CB97] S. Y. Chou and D. Baganoff. Kinetic flux-vector splitting for the Navier–Stokes equations. *Journal of Computational Physics*, 130(2):217–230, January 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955795`.

Carlson:1995:DNS

[CBL95] H. A. Carlson, G. Berkooz, and J. L. Lumley. Direct numerical simulation of flow in a channel with complex, time-dependent Wall geometries: a pseudospectral method. *Journal of Computational Physics*, 121(1):155–175, October 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711862`.

Chen:1993:ATS

[CBS93] K. Chen, M. J. Baines, and P. K. Sweby. On an adaptive time stepping strategy for solving nonlinear diffusion equations. *Jour-*

nal of Computational Physics, 105(2):324–332, April 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710788`.

Caramana:1998:CCH

[CBSW98] E. J. Caramana, D. E. Burton, M. J. Shashkov, and P. P. Whalen. The construction of compatible hydrodynamics algorithms utilizing conservation of total energy. *Journal of Computational Physics*, 146(1):227–262, October 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960296`.

Chen:1997:EAS

[CC97] X. Chen and Y. M. Chen. Efficient algorithm for solving inverse source problems of a nonlinear diffusion equation in microwave heating. *Journal of Computational Physics*, 132(2):374–383, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956454`.

Chumakov:1998:MDQ

[CC98] G. A. Chumakov and S. G. Chumakov. A method for the 2-D quasi-isometric regular grid generation. *Journal of Computational Physics*, 143(1):1–28, June 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919895968X`.

Collins:1995:IEE

[CCG95] J. P. Collins, P. Colella, and H. M. Glaz. An implicit-explicit Eulerian Godunov scheme for compressible flow. *Journal of Computational Physics*, 116(2):195–211, February 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710212`.

Chen:1995:QHS

[CCGJ95] Zhangxin Chen, Bernardo Cockburn, Carl L. Gardner, and Joseph W. Jerome. Quantum hydrodynamic simulation of hysteresis in the resonant tunneling diode. *Journal of Computational Physics*, 117(2):274–280, March 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999185710650.

Cary:1993:ESI

[CD93] J. R. Cary and I. Doxas. An explicit symplectic integration scheme for plasma simulations. *Journal of Computational Physics*, 107(1):98–104, July 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183711277.

Chen:1995:NSE

[CD95a] K. R. Chen and J. M. Dawson. New scheme for electromagnetic simulations. *Journal of Computational Physics*, 118(1): 86–91, April 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185710819.

Couzy:1995:FSC

[CD95b] W. Couzy and M. O. Deville. A fast Schur complement method for the spectral element discretization of the incompressible Navier–Stokes equations. *Journal of Computational Physics*, 116(1):135–142, January 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199918571011X.

Costa:1998:FCS

[CD98] Bruno Costa and Lucia Dettori. Fourier collocation splittings for partial differential equations. *Journal of Computational Physics*, 142(2):562–580, May 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919895954X.

Carte:1995:STD

[CDF95] Gilles Carte, Jan Dusek, and Philippe Fraunié. A spectral time discretization for flows with dominant periodicity. *Journal of Computational Physics*, 120(2):171–183, September 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185711576.

Capuzzo-Dolcetta:1998:CBF

[CDM98] R. Capuzzo-Dolcetta and P. Miocchi. A comparison between the fast multipole algorithm and the tree-code to evaluate gravitational forces in 3-D. *Journal of Computational Physics*, 143(1): 29–48, June 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959496`.

Chu:1999:PSA

[CDR99] King-Wai Chu, Yuefan Deng, and John Reinitz. Parallel simulated annealing by mixing of states. *Journal of Computational Physics*, 148(2):646–662, January 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961344`.

Cortes:1998:DPM

[CDT98] J. Cortes, A. Debussche, and I. Toumi. A density perturbation method to study the eigenstructure of two-phase flow equation systems. *Journal of Computational Physics*, 147(2):463–484, December 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919896096X`.

Colella:1999:CFD

[CDW99a] Phillip Colella, Milo R. Dorr, and Daniel D. Wake. A conservative finite difference method for the numerical solution of plasma fluid equations. *Journal of Computational Physics*, 149(1):168–193, February 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961368`.

Colella:1999:NSP

[CDW99b] Phillip Colella, Milo R. Dorr, and Daniel D. Wake. Numerical solution of plasma fluid equations using locally refined grids. *Journal of Computational Physics*, 152(2):550–583, July 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962459`.

Chen:1997:CVF

[CE97] Zhangxin Chen and Richard E. Ewing. Comparison of various formulations of three-phase flow in porous media. *Jour-*

nal of Computational Physics, 132(2):362–373, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956417`.

Coquel:1997:NMU

[CEG+97] F. Coquel, K. El Amine, E. Godlewski, B. Perthame, and P. Rascle. A numerical method using upwind schemes for the resolution of two-phase flows. *Journal of Computational Physics*, 136(2):272–288, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957302`.

Chen:1994:NSN

[CF94] C. Chen and J. M. Floryan. Numerical simulation of non-isothermal capillary interfaces. *Journal of Computational Physics*, 111(1):183–193, March 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710539`.

Chu:1998:TPC

[CF98] Peter C. Chu and Chenwu Fan. A three-point combined compact difference scheme. *Journal of Computational Physics*, 140(2):370–399, March 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198958995`.

Chu:1999:TPS

[CF99] Peter C. Chu and Chenwu Fan. A three-point sixth-order nonuniform combined compact difference scheme. *Journal of Computational Physics*, 148(2):663–674, January 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961411`.

Cao:1993:FCM

[CG93] Wei-Ming Cao and Ben-Yu Guo. Fourier collocation method for solving nonlinear Klein–Gordon equation. *Journal of Computational Physics*, 108(2):296–305, October 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711836`.

Carpenter:1996:SMA

[CG96] Mark H. Carpenter and David Gottlieb. Spectral methods on arbitrary grids. *Journal of Computational Physics*, 129(1):74–86, November 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919690234X`.

Cargo:1997:RMI

[CG97a] Patricia Cargo and Gérard Gallice. Roe matrices for ideal MHD and systematic construction of Roe matrices for systems of conservation laws. *Journal of Computational Physics*, 136 (2):446–466, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957739`.

Chen:1997:DEL

[CG97b] Rongqing Chen and Hua Guo. Determination of eigenstates via Lanczos-based forward substitution and filter-diagonalization. *Journal of Computational Physics*, 136(2):494–502, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957776`.

Cheng:1997:NEE

[CG97c] Hongwei Cheng and Leslie Greengard. On the numerical evaluation of electrostatic fields in dense random dispersions of cylinders. *Journal of Computational Physics*, 136(2):629–639, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957879`.

Carpenter:1993:SNB

[CGA93] Mark H. Carpenter, David Gottlieb, and Saul Abarbanel. The stability of numerical boundary treatments for compact high-order finite-difference schemes. *Journal of Computational Physics*, 108(2):272–295, October 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711824`.

Carpenter:1994:TSB

[CGA94] Mark H. Carpenter, David Gottlieb, and Saul Abarbanel. Time-stable boundary conditions for finite-difference schemes solving

hyperbolic systems: Methodology and application to high-order compact schemes. *Journal of Computational Physics*, 111(2):220–236, April 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710576`.

Chu:1992:NSS

[CGKC92] M. S. Chu, J. M. Greene, M. Klasky, and M. S. Chance. Numerical study of a singular differential equation relevant for the finite β tearing mode in a toroidal plasma. *Journal of Computational Physics*, 101(2):453, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290029X`.

Chu:1993:NSS

[CGKC93] M. S. Chu, J. M. Greene, M. Klasky, and M. S. Chance. Numerical study of a singular differential equation relevant for the finite β tearing mode in a toroidal plasma. *Journal of Computational Physics*, 104(1):23–29, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918371003X`.

Cheng:1999:FAM

[CGR99] H. Cheng, L. Greengard, and V. Rokhlin. A fast adaptive multipole algorithm in three dimensions. *Journal of Computational Physics*, 155(2):468–498, November 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963556`.

Christie:1990:NSH

[CGSS90] I. Christie, G. H. Ganser, and J. M. Sanz-Serna. Numerical solution of a hyperbolic system of conservation laws with source term arising in a fluidized bed model. *Journal of Computational Physics*, 89(1):255, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090140V`.

Christie:1991:NSH

[CGSS91] I. Christie, G. H. Ganser, and J. M. Sanz-Serna. Numerical solution of a hyperbolic system of conservation laws with

source term arising in a fluidized bed model. *Journal of Computational Physics*, 93(2):297–311, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190184M`.

Chen:1992:PEF

[CGY92] G. Q. Chen, Z. Gao, and Z. F. Yang. A perturbational h^4 exponential finite difference scheme for the convective diffusion equation. *Journal of Computational Physics*, 101(2):454, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290035W`.

Chen:1993:PEF

[CGY93] G. Q. Chen, Z. Gao, and Z. F. Yang. A perturbational h^4 exponential finite difference scheme for the convective diffusion equation. *Journal of Computational Physics*, 104(1):129–139, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710156`.

Chesshire:1990:COM

[CH90a] G. Chesshire and W. D. Henshaw. Composite overlapping meshes for the solution of partial differential equations. *Journal of Computational Physics*, 90(1):1–64, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190901968`.

Clark:1990:MDS

[CH90b] Terry L. Clark and William D. Hall. Multi-domain simulations of the time-dependent Navier–Stokes equations: Benchmark error analysis of some nesting procedures. *Journal of Computational Physics*, 89(1):252–253, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090132K`.

Clark:1991:MDS

[CH91] Terry L. Clark and William D. Hall. Multi-domain simulations of the time dependent Navier–Stokes equations: Benchmark error analysis of some nesting procedures. *Journal of*

Computational Physics, 92(2):456–481, February 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190218A`.

Carcione:1999:NSP

[CH99] José M. Carcione and Hans B. Helle. Numerical solution of the poroviscoelastic wave equation on a staggered mesh. *Journal of Computational Physics*, 154(2):520–527, September 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963210`.

Chang:1990:CAM

[Cha90] Sin-Chung Chang. A critical analysis of the modified equation technique of Warming and Hyett. *Journal of Computational Physics*, 86(1):107–126, January 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090093G`.

Chang:1995:MST

[Cha95] Sin-Chung Chang. The method of space–time conservation element and solution element — a new approach for solving the Navier–Stokes and Euler equations. *Journal of Computational Physics*, 119(2):295–324, July 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711370`.

Chen:1991:CGM

[Che91] K. Chen. Conjugate gradient methods for the solution of boundary integral equations on a piecewise smooth boundary. *Journal of Computational Physics*, 97(1):127–143, November 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190042J`.

Chin:1991:DDM

[Chi91] Raymond C. Y. Chin. A domain decomposition method for generating orthogonal polynomials for a Gaussian weight on a finite interval. *Journal of Computational Physics*, 97(2):582, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716

(electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190024F.

Chin:1992:DDMa

[Chi92a] Raymond C. Y. Chin. A domain decomposition method for generating orthogonal polynomials for a Gaussian weight on a finite interval. *Journal of Computational Physics*, 99(1):180, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192902938.

Chin:1992:DDMb

[Chi92b] Raymond C. Y. Chin. A domain decomposition method for generating orthogonal polynomials for a Gaussian weight on a finite interval. *Journal of Computational Physics*, 99(2):321–336, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290211G.

Charlton:1990:CLN

[CHL+90] L. A. Charlton, J. A. Holmes, V. E. Lynch, B. A. Carreras, and T. C. Hender. Compressible linear and nonlinear resistive MHD calculations in toroidal geometry. *Journal of Computational Physics*, 86(2):270–293, February 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190901027.

Chang:1996:LSF

[CHMO96] Y. C. Chang, T. Y. Hou, B. Merriman, and S. Osher. A level set formulation of Eulerian interface capturing methods for incompressible fluid flows. *Journal of Computational Physics*, 124(2):449–464, March 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900728.

Chorin:1990:HRVa

[Cho90a] Alexander J. Chorin. Hairpin removal in vortex interactions. *Journal of Computational Physics*, 87(2):496, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190902723.

Chorin:1990:HRVb

[Cho90b] Alexandre Joel Chorin. Hairpin removal in vortex interactions. *Journal of Computational Physics*, 91(1):1–21, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090001H`.

Chopp:1993:CMS

[Cho93a] David L. Chopp. Computing minimal surfaces via level set curvature flow. *Journal of Computational Physics*, 106(1):77–91, May 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710922`.

Chorin:1993:HRV

[Cho93b] Alexandre Joel Chorin. Hairpin removal in vortex interactions II. *Journal of Computational Physics*, 107(1):1–9, July 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711204`.

Chorin:1997:NMS

[Cho97] Alexandre Joel Chorin. A numerical method for solving incompressible viscous flow problems. *Journal of Computational Physics*, 135(2):118–125, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957168`.

Christiansen:1997:NSH

[Chr97] J. P. Christiansen. Numerical simulation of hydrodynamics by the method of point vortices. *Journal of Computational Physics*, 135(2):189–197, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957016`.

Cao:1999:AFE

[CHR99] Weiming Cao, Weizhang Huang, and Robert D. Russell. An r-adaptive finite element method based upon moving mesh PDEs. *Journal of Computational Physics*, 149(2):221–244, March 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716

(electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198961514. See erratum [Ano99-30].

Cloot:1990:NSN

[CHW90] A. Cloot, B. M. Herbst, and J. A. C. Weideman. A numerical study of the nonlinear Schrödinger equation involving quintic terms. *Journal of Computational Physics*, 86(1):127–146, January 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090094H.

Charakhchyan:1997:VFW

[CI97] A. A. Charakhch'yan and S. A. Ivanenko. A variational form of the Winslow grid generator. *Journal of Computational Physics*, 136(2):385–398, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197957508.

Chang:1994:CDS

[CJ94] Qianshun Chang and Hong Jiang. A conservative difference scheme for the Zakharov equations. *Journal of Computational Physics*, 113(2):309–319, August 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711387.

Corral:1995:FCM

[CJ95a] Roque Corral and Javier Jiménez. Fourier/Chebyshev methods for the incompressible Navier–Stokes equations in infinite domains. *Journal of Computational Physics*, 121(2):261–270, October 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999195900853.

Cote:1995:CPS

[CJ95b] R. Côté and M. J. Jamieson. Comparison of phase-shift calculations by asymptotic fit and quadrature in ultra-low temperature scattering. *Journal of Computational Physics*, 118(2):388–391, May 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185711084.

Collino:1997:FDM

[CJM97] Francis Collino, Patrick Joly, and Florence Millot. Fictitious domain method for unsteady problems. *Journal of Computational Physics*, 138(2):907–938, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958496`.

Corless:1991:NEA

[CJR91] R. M. Corless, D. J. Jeffrey, and H. Rasmussen. Numerical evaluation of Airy functions with complex arguments. *Journal of Computational Physics*, 93(1):252–253, March 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191900894`.

Corless:1992:NEAa

[CJR92a] R. M. Corless, D. J. Jeffrey, and H. Rasmussen. Numerical evaluation of Airy functions with complex arguments. *Journal of Computational Physics*, 98(2):347, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290150W`.

Corless:1992:NEAb

[CJR92b] R. M. Corless, D. J. Jeffrey, and H. Rasmussen. Numerical evaluation of Airy functions with complex arguments. *Journal of Computational Physics*, 99(1):106–114, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192902798`.

Chen:1995:VBC

[CJR95] Shea Chen, David B. Johnson, and Peter E. Raad. Velocity boundary conditions for the simulation of free surface fluid flow. *Journal of Computational Physics*, 116(2):262–276, February 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918571025X`.

Chang:1999:DSS

[CJS99] Qianshun Chang, Erhui Jia, and W. Sun. Difference schemes for solving the generalized nonlinear Schrödinger equation. *Journal of Computational Physics*, 148(2):397–415, January 20,

1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198961204.

Cacuci:1990:BPM

[CK90a] D. G. Cacuci and O. A. Karakashian. Benchmarking the propagator method for nonlinear systems: a Burgers–Korteweg–de Vries equation. *Journal of Computational Physics*, 89(1):63–79, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090117J.

Cohen:1990:ADD

[CK90b] Stuart B. Cohen and Ivan N. Krischner. Approximating the Dirac distribution for Fourier analysis. *Journal of Computational Physics*, 89(1):255, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090141M.

Cohen:1991:ADD

[CK91] Stuart B. Cohen and Ivan N. Kirschner. Approximating the Dirac distribution for Fourier analysis. *Journal of Computational Physics*, 93(2):312–324, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190185N.

Chung:1992:ESM

[CK92] S. G. Chung and K. Kuwahara. Explicit streamline method for steady flows of non-Newtonian matter: History-dependence and free surfaces. *Journal of Computational Physics*, 102(2):425, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290393D.

Chung:1993:ESM

[CK93a] S. G. Chung and K. Kuwahara. Explicit streamline method for steady flows of non-Newtonian matter: History-dependence and free surfaces. *Journal of Computational Physics*, 104(2):444–450, February 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183710429.

Coray:1993:AOM

[CK93b] C. Coray and J. Koebbe. Accuracy optimized methods for constrained numerical solutions of hyperbolic conservation laws. *Journal of Computational Physics*, 109(1):115–132, November 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183712040`.

Capstick:1996:MQA

[CK96] Simon Capstick and B. D. Keister. Multidimensional quadrature algorithms at higher degree and/or dimension. *Journal of Computational Physics*, 123(2):267–273, February 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900236`.

Chukkapalli:1999:SGU

[CKE99] Giri Chukkapalli, Steve R. Karpik, and C. Ross Ethier. A scheme for generating unstructured grids on spheres with application to parallel computation. *Journal of Computational Physics*, 149(1):114–127, February 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961460`.

Clarke:1993:NCT

[CKQ+93] J. F. Clarke, S. Karni, J. J. Quirk, P. L. Roe, L. G. Simmonds, and E. F. Toro. Numerical computation of two-dimensional unsteady detonation waves in high energy solids. *Journal of Computational Physics*, 106(2):215–233, June 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711046`.

Chung:1993:SCF

[CKR93] S. G. Chung, K. Kuwahara, and O. Richmond. Streamline-coordinate finite-difference method for hot metal deformations. *Journal of Computational Physics*, 108(1):1–7, September 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711575`.

Christopher:1997:SPE

[CKSB97] Ivar Christopher, George Knorr, Magdi Shoucri, and Pierre Bertrand. Solution of the Poisson equation in an annulus. *Journal of Computational Physics*, 131(2):323–326, March 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955989`.

Chew:1993:FAC

[CL93] W. C. Chew and C. C. Lu. A fast algorithm to compute the wave-scattering solution of a large strip. *Journal of Computational Physics*, 107(2):378–387, August 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711526`.

Choi:1998:RUF

[CL98a] Hwajeong Choi and Jian-Guo Liu. The reconstruction of upwind fluxes for conservation laws: Its behavior in dynamic and steady state calculations. *Journal of Computational Physics*, 144(2):237–256, August 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959708`.

Cossu:1998:CAN

[CL98b] C. Cossu and T. Loiseleux. On the convective and absolute nature of instabilities in finite difference numerical simulations of open flows. *Journal of Computational Physics*, 144(1):98–108, July 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959903`.

Coppa:1996:BMK

[CLD+96] G. G. M. Coppa, G. Lapenta, G. Dellapiana, F. Donato, and V. Riccardo. Blob method for kinetic plasma simulation with variable-size particles. *Journal of Computational Physics*, 127(2):268–284, September 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901746`.

Clement:1996:CTA

[Clé96] A. Clément. Coupling of two absorbing boundary conditions for 2D time-domain simulations of free surface gravity waves. *Journal of Computational Physics*, 126(1):139–151, June 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901266`.

Clercx:1997:SSN

[Cle97] H. J. H. Clercx. A spectral solver for the Navier–Stokes equations in the velocity-vorticity formulation for flows with two nonperiodic directions. *Journal of Computational Physics*, 137(1):186–211, October 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957995`.

Carreras:1990:FWC

[CLJ+90] B. A. Carreras, V. E. Lynch, E. F. Jaeger, D. B. Batchelor, and J. S. Tolliver. Full-wave calculations in flux coordinates for toroidal geometry. *Journal of Computational Physics*, 88(1):183–204, May 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090247X`.

Cai:1998:FEM

[CLNT98] Xing Cai, Hans Petter Langtangen, Bjørn Fredrik Nielsen, and Aslak Tveito. A finite element method for fully nonlinear water waves. *Journal of Computational Physics*, 143(2):544–568, July 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198999971`.

Cai:1993:CSM

[CLO93] W. Cai, H. C. Lee, and H.-S. Oh. Coupling of spectral methods and the p-version of the finite element method for elliptic boundary value problems containing singularities. *Journal of Computational Physics*, 108(2):314–326, October 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918371185X`.

Cooke:1991:AFO

[CM91] Charlie H. Cooke and Andrew G. McMorran. Asymptotic factorization of operators in complex time. *Journal of Computational Physics*, 95(2):303–312, August 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190278S`.

Choi:1993:APV

[CM93] Y.-H. Choi and C. L. Merkle. The application of preconditioning in viscous flows. *Journal of Computational Physics*, 105(2):207–223, April 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710697`.

Choi:1994:ECT

[CM94] Haecheon Choi and Parviz Moin. Effects of the computational time step on numerical solutions of turbulent flow. *Journal of Computational Physics*, 113(1):1–4, July 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711120`.

Christov:1995:IDS

[CM95] C. I. Christov and G. A. Maugin. An implicit difference scheme for the long-time evolution of localized solutions of a generalized Boussinesq system. *Journal of Computational Physics*, 116(1):39–51, January 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710042`.

Chow:1997:US

[CM97] E. Chow and J. J. Monaghan. Ultrarelativistic SPH. *Journal of Computational Physics*, 134(2):296–305, July 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957089`.

Chen:1999:LVM

[CM99a] H. Chen and J. S. Marshall. A Lagrangian vorticity method for two-phase particulate flows with two-way phase coupling. *Journal of Computational Physics*, 148(1):169–198, January 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999198961162.

Cleary:1999:CMU

[CM99b] Paul W. Cleary and Joseph J. Monaghan. Conduction modelling using smoothed particle hydrodynamics. *Journal of Computational Physics*, 148(1):227–264, January 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198961186.

Chen:1990:TML

[CMK90] H. Chen, W. H. Matthaeus, and L. W. Klein. Theory of multicolor lattice gas: a cellular automaton Poisson solver. *Journal of Computational Physics*, 88(2):433–466, June 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190901887.

Crumpton:1993:CVA

[CMM93] P. I. Crumpton, J. A. Mackenzie, and K. W. Morton. Cell vertex algorithms for the compressible Navier–Stokes equations. *Journal of Computational Physics*, 109(1):1–15, November 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183711940.

Chan:1994:SSM

[CMMH94] Kwing L. Chan, H. G. Mayr, J. G. Mengel, and I. Harris. A "stratified" spectral model for stable and convective atmospheres. *Journal of Computational Physics*, 113(2):165–176, August 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711284.

Chen:1997:SLS

[CMOS97] S. Chen, B. Merriman, S. Osher, and P. Smereka. A simple level set method for solving Stefan problems. *Journal of Computational Physics*, 135(1):8–29, July 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197957211.

Cash:1995:ACS

[CMW95] J. R. Cash, G. Moore, and R. W. Wright. An automatic continuation strategy for the solution of singularly perturbed linear two-point boundary value problems. *Journal of Computational Physics*, 122(2):266–279, December 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185712120`.

Cai:1995:PBP

[CN95] Y. Cai and I. M. Navon. Parallel block preconditioning techniques for the numerical simulation of the shallow water flow using finite element methods. *Journal of Computational Physics*, 122(1):39–50, November 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711953`.

Carpenter:1999:SCI

[CNG99] Mark H. Carpenter, Jan Nordström, and David Gottlieb. A stable and conservative interface treatment of arbitrary spatial accuracy. *Journal of Computational Physics*, 148(2):341–365, January 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961149`. See corrigendum [CNG17].

Carpenter:2017:CSC

[CNG17] Mark H. Carpenter, Jan Nordström, and David Gottlieb. Corrigendum to "A stable and conservative interface treatment of arbitrary spatial accuracy" [J. Comput. Phys. **148** (1999) 341–365]. *Journal of Computational Physics*, 351(??):534, December 15, 2017. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999117307179`. See [CNG99].

Carpenter:1995:HOC

[CO95] Mark H. Carpenter and John Otto. High-order "cyclo–difference" techniques: An alternative to finite differences. *Journal of Computational Physics*, 118(2):242–260, May 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710960`.

Cybyk:1995:CML

[COBA95] Bohdan Z. Cybyk, Elaine S. Oran, Jay P. Boris, and John D. Anderson, Jr. Combining the monotonic Lagrangian grid with a direct simulation Monte Carlo model. *Journal of Computational Physics*, 122(2):323–334, December 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185712181`.

Codina:1999:NSI

[Cod99] Ramon Codina. Numerical solution of the incompressible Navier–Stokes equations with Coriolis forces based on the discretization of the total time derivative. *Journal of Computational Physics*, 148(2):467–496, January 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961265`.

Colella:1990:MUM

[Col90] Phillip Colella. Multidimensional upwind methods for hyperbolic conservation laws. *Journal of Computational Physics*, 87(1):171–200, March 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090233Q`.

Collino:1997:PMA

[Col97] Francis Collino. Perfectly matched absorbing layers for the paraxial equations. *Journal of Computational Physics*, 131(1):164–180, February 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955941`.

Cook:1999:CAL

[Coo99] Andrew W. Cook. A consistent approach to large eddy simulation using adaptive mesh refinement. *Journal of Computational Physics*, 154(1):117–133, September 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963040`.

Cortez:1996:IBA

[Cor96] Ricardo Cortez. An impulse-based approximation of fluid motion due to boundary forces. *Journal of Computa-*

tional Physics, 123(2):341–353, February 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900285`.

Canino:1998:NSH

[COS+98] Lawrence F. Canino, John J. Ottusch, Mark A. Stalzer, John L. Visher, and Stephen M. Wandzura. Numerical solution of the Helmholtz equation in 2D and 3D using a high-order Nyström discretization. *Journal of Computational Physics*, 146(2):627–663, November 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960776`.

Cottet:1990:PGS

[Cot90] Georges-Henri Cottet. A particle-grid superposition method for the Navier–Stokes equations. *Journal of Computational Physics*, 89(2):301–318, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090146R`.

Cottet:1996:AVM

[Cot96] G.-H. Cottet. Artificial viscosity models for vortex and particle methods. *Journal of Computational Physics*, 127(2):299–308, September 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919690176X`.

Canuto:1990:BIC

[CP90] Claudio Canuto and Paola Pietra. Boundary and interface conditions within a finite element preconditioner for spectral methods. *Journal of Computational Physics*, 91(2):310–343, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190900408`.

Coirier:1995:AAC

[CP95] William J. Coirier and Kenneth G. Powell. An accuracy assessment of Cartesian-mesh approaches for the Euler equations. *Journal of Computational Physics*, 117(1):121–131, March 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710509`.

Carsky:1998:EMI

[CP98a] Petr Cársky and Martin Polásek. Evaluation of molecular integrals in a mixed Gaussian and plane-wave basis by Rys quadrature. *Journal of Computational Physics*, 143(1):266–277, June 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959769`.

Carsky:1998:IGF

[CP98b] Petr Cársky and Martin Polásek. Incomplete gamma $F_m(x)$ functions for real negative and complex arguments. *Journal of Computational Physics*, 143(1):259–265, June 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959757`.

Colella:1999:PML

[CP99] Phillip Colella and Karen Pao. A projection method for low speed flows. *Journal of Computational Physics*, 149(2):245–269, March 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961526`.

Casciola:1996:VGF

[CPB96] C. M. Casciola, R. Piva, and P. Bassanini. Vorticity generation on a flat surface in 3D flows. *Journal of Computational Physics*, 129(2):345–356, December 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902545`.

Chen:1990:SRA

[CPJ90] H. C. Chen, V. C. Patel, and S. Ju. Solutions of Reynolds-averaged Navier–Stokes equations for three-dimensional incompressible flows. *Journal of Computational Physics*, 88(2):305–336, June 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090182Z`.

Christiansen:1993:FMM

[CPP93] Dorthe Christiansen, John W. Perram, and Henrik G. Petersen. On the fast multipole method for computing the energy of periodic assemblies of charged and dipolar particles. *Journal*

of Computational Physics, 107(2):403–405, August 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918371154X`.

Candy:1991:SIA

[CR91] J. Candy and W. Rozmus. A symplectic integration algorithm for separable Hamiltonian functions. *Journal of Computational Physics*, 92(1):230–256, January 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190299Z`.

Cook:1996:DNS

[CR96] Andrew W. Cook and James J. Riley. Direct numerical simulation of a turbulent reactive plume on a parallel computer. *Journal of Computational Physics*, 129(2):263–283, December 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902491`.

Cummins:1999:SPM

[CR99] Sharen J. Cummins and Murray Rudman. An SPH projection method. *Journal of Computational Physics*, 152(2):584–607, July 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962460`.

Crater:1994:PEI

[Cra94] H. W. Crater. A Padé extrapolated inverse power method for coupled Schrödinger-like equations applied to the two-body relativistic bound state problem in quantum electrodynamics. *Journal of Computational Physics*, 115(2):470–484, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184712113`.

Coward:1997:TEP

[CRRR97] Adrian V. Coward, Yuriko Y. Renardy, Michael Renardy, and John R. Richards. Temporal evolution of periodic disturbances in two-layer Couette flow. *Journal of Computational Physics*, 132(2):346–361, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999196956405.

Cash:1990:SOE

[CRS90] J. R. Cash, A. D. Raptis, and T. E. Simos. A sixth-order exponentially fitted method for the numerical solution of the radial Schrödinger equation. *Journal of Computational Physics*, 91(2):413–423, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190900453.

Caginalp:1991:CSP

[CS91] G. Caginalp and E. A. Socolovsky. Computation of sharp phase boundaries by spreading: The planar and spherically symmetric cases. *Journal of Computational Physics*, 95(1):85–100, July 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190254I.

Cai:1992:UHO

[CS92a] Wei Cai and Chi-Wang Shu. Uniform high order spectral methods for one- and two-dimensional Euler equations. *Journal of Computational Physics*, 102(2):425, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290392C.

Christodoulou:1992:DFSa

[CS92b] K. N. Christodoulou and L. E. Scriven. Discretization of free surface flows and other moving boundary problems. *Journal of Computational Physics*, 98(2):347, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290148R.

Christodoulou:1992:DFSb

[CS92c] K. N. Christodoulou and L. E. Scriven. Discretization of free surface flows and other moving boundary problems. *Journal of Computational Physics*, 99(1):39–55, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192902732.

Cai:1993:UHO

[CS93a] Wei Cai and Chi-Wang Shu. Uniform high-order spectral methods for one- and two-dimensional Euler equations. *Journal of Computational Physics*, 104(2):427–443, February 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710417`.

Clarke:1993:GOP

[CS93b] Andrew S. Clarke and Bernie Shizgal. On the generation of orthogonal polynomials using asymptotic methods for recurrence coefficients. *Journal of Computational Physics*, 104(1):140–149, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710168`.

Craig:1993:NSG

[CS93c] W. Craig and C. Sulem. Numerical simulation of gravity waves. *Journal of Computational Physics*, 108(1):73–83, September 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711642`.

Carvalho:1997:FFD

[CS97a] M. S. Carvalho and L. E. Scriven. Flows in forward deformable roll coating gaps: Comparison between spring and plane-strain models of roll cover. *Journal of Computational Physics*, 138(2):449–479, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958265`.

Cocchi:1997:RPB

[CS97b] Jean-Pierre Cocchi and Richard Saurel. A Riemann problem based method for the resolution of compressible multimaterial flows. *Journal of Computational Physics*, 137(2):265–298, November 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957685`.

Caramana:1998:EAG

[CS98a] E. J. Caramana and M. J. Shashkov. Elimination of artificial grid distortion and hourglass-type motions by means of

Lagrangian subzonal masses and pressures. *Journal of Computational Physics*, 142(2):521–561, May 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959526`.

Cockburn:1998:RKD

[CS98b] Bernardo Cockburn and Chi-Wang Shu. The Runge–Kutta discontinuous Galerkin method for conservation laws V: Multidimensional systems. *Journal of Computational Physics*, 141(2):199–224, April 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198958922`.

Carvalho:1999:TDS

[CS99] M. S. Carvalho and L. E. Scriven. Three-dimensional stability analysis of free surface flows: Application to forward deformable roll coating. *Journal of Computational Physics*, 151(2):534–562, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199961958`.

Cai:1993:PLP

[CSN93] D. Cai, L. R. O. Storey, and T. Neubert. Particle loading for a plasma shear layer in a magnetic field. *Journal of Computational Physics*, 107(1):84–97, July 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711265`.

Crumpton:1995:DMS

[CSW95] P. I. Crumpton, G. J. Shaw, and A. F. Ware. Discretisation and multigrid solution of elliptic equations with mixed derivative terms and strongly discontinuous coefficients. *Journal of Computational Physics*, 116(2):343–358, February 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710327`.

Caramana:1998:FAV

[CSW98] E. J. Caramana, M. J. Shashkov, and P. P. Whalen. Formulations of artificial viscosity for multi-dimensional shock wave computations. *Journal of Computational Physics*, 144(1):70–97, July 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716

(electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959897.

Christiansen:1997:SAC

[CSZ97] P. L. Christiansen, A. V. Savin, and A. V. Zolotaryuk. Soliton analysis in complex molecular systems: a zig-zag chain. *Journal of Computational Physics*, 134(1):108–121, June 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919795676X.

Cliffe:1998:MBC

[CT98] K. A. Cliffe and S. J. Tavener. Marangoni–Bénard convection with a deformable free surface. *Journal of Computational Physics*, 145(1):193–227, September 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959952.

Canfield:1992:RARa

[CV92a] E. H. Canfield, Jr. and J. A. Viecelli. Random access to a random number sequence. *Journal of Computational Physics*, 98(2):349, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290164T.

Canfield:1992:RARb

[CV92b] E. H. Canfield, Jr. and J. A. Viecelli. Random access to a random number sequence. *Journal of Computational Physics*, 99(1):176–178, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192902857.

Cortez:1997:DEM

[CV97] R. Cortez and D. A. Varela. The dynamics of an elastic membrane using the impulse method. *Journal of Computational Physics*, 138(1):224–247, November 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197958423.

Chang:1990:MAA

[CW90] Qianshun Chang and Guobin Wang. Multigrid and adaptive algorithm for solving the nonlinear Schrödinger equation. *Jour-*

nal of Computational Physics, 88(2):362–380, June 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190901843`.

Caramana:1992:PSOa

[CW92a] Edward J. Caramana and Robert B. Webster. Parameterized solution of one-dimensional thermal diffusion with a heat source and a moving boundary. *Journal of Computational Physics*, 98(1): 180, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192901988`.

Caramana:1992:PSOb

[CW92b] Edward J. Caramana and Robert B. Webster. Parameterized solution of one-dimensional thermal diffusion with a heat source and a moving boundary. *Journal of Computational Physics*, 98(2):342–346, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290147Q`.

Cloot:1992:AAS

[CW92c] A. Cloot and J. A. C. Weideman. An adaptive algorithm for spectral computations on unbounded domains. *Journal of Computational Physics*, 102(2):398–406, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192903818`.

Cohen:1993:ISI

[CW93] Bruce I. Cohen and Timothy J. Williams. Implementation of a semi-implicit orbit-averaged gyrokinetic particle code. *Journal of Computational Physics*, 107(2):282–290, August 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711435`.

Caramana:1998:NPS

[CW98] E. J. Caramana and P. P. Whalen. Numerical preservation of symmetry properties of continuum problems. *Journal of Computational Physics*, 141(2):174–198, April 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999198959125.

Chang:1999:STC

[CWC99] Sin-Chung Chang, Xiao-Yen Wang, and Chuen-Yen Chow. The space–time conservation element and solution element method: a new high-resolution and genuinely multidimensional paradigm for solving conservation laws. *Journal of Computational Physics*, 156(1):89–136, November 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199963544.

Chang:1996:AMM

[CWF96] Qianshun Chang, Yau Shu Wong, and Hanqing Fu. On the algebraic multigrid method. *Journal of Computational Physics*, 125(2):279–292, May 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900947.

Chang:1990:CSM

[CWG90] Qianshun Chang, Goubin Wang, and Boling Guo. Conservative scheme for a model of nonlinear dispersive waves and its solitary waves induced by boundary motion. *Journal of Computational Physics*, 89(2):489, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090158W.

Chang:1991:CSM

[CWG91] Qianshun Chang, Guobin Wang, and Boling Guo. Conservative scheme for a model of nonlinear dispersive waves and its solitary waves induced by boundary motion. *Journal of Computational Physics*, 93(2):360–375, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190189R.

Cho:1992:CMO

[CYD92] S. Y. Cho, R. A. Yetter, and F. L. Dryer. A computer model for one-dimensional mass and energy transport in and around chemically reacting particles, including complex gas-phase chemistry, multicomponent molecular diffusion, surface

evaporation, and heterogeneous reaction. *Journal of Computational Physics*, 102(1):160–179, September 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999105800130`.

Cai:1998:ASW

[CZ98] Wei Cai and Wu Zhang. An adaptive spline wavelet ADI (SW–ADI) method for two-dimensional reaction-diffusion equations. *Journal of Computational Physics*, 139(1):92–126, January 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958654`.

Chen:1998:LFE

[CZS98] Wen Chen, Tingxiu Zhong, and C. Shu. A Lyapunov formulation for efficient solution of the Poisson and convection-diffusion equations by the differential quadrature method. *Journal of Computational Physics*, 141(1):78–84, March 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198958612`.

Dul:1994:TPM

[DA94] Franciszek A. Dul and Krzysztof Arczewski. The two-phase method for finding a great number of eigenpairs of the symmetric or weakly non-symmetric large eigenvalue problems. *Journal of Computational Physics*, 111(1):89–109, March 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710473`.

Daripa:1990:NMQ

[Dar90a] Prabir Daripa. On a numerical method for quasi-confirmal grid generation. *Journal of Computational Physics*, 91(1):254, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090035Y`.

Daripa:1990:ACV

[Dar90b] Prabir Daripa. On applications of a complex variable method in compressible flows. *Journal of Computational Physics*, 88(2):337–361, June 1990. CODEN JCTPAH. ISSN 0021-9991 (print),

1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190901832.

Daripa:1990:SCA

[Dar90c] Prabir Daripa. Solvability condition and its application to fast numerical solution of overposed inverse problems in compressible flows. *Journal of Computational Physics*, 91(1):253, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190900305.

Daripa:1991:NMQ

[Dar91a] Prabir Daripa. On a numerical method for quasi-conformal grid generation. *Journal of Computational Physics*, 96(1):229–236, September 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190274O.

Daripa:1991:SCA

[Dar91b] Prabir Daripa. Solvability condition and its application to fast numerical solution of overposed inverse problems in compressible flows. *Journal of Computational Physics*, 95(2):436–449, August 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190284R.

Daripa:1992:ISA

[Dar92] Prabir Daripa. Iterative schemes and algorithms for adaptive grid generation in one dimension. *Journal of Computational Physics*, 100(2):284–293, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290235Q.

Daripa:1993:FAS

[Dar93] Prabir Daripa. A fast algorithm to solve the Beltrami equation with applications to quasiconformal mappings. *Journal of Computational Physics*, 106(2):355–365, June 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183711137.

Daripa:1995:ISP

[Dar95] Prabir Daripa. An investigation of some pattern selection issues in the rising plane Taylor bubble problem. *Journal of Computational Physics*, 121(1):129–141, October 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711849`.

Daripa:1996:PTB

[Dar96] Prabir Daripa. Pointed Taylor bubble revisited. *Journal of Computational Physics*, 123(1):226–230, January 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900182`.

deAraujo:1995:CKV

[dAT95] Carlos F. de Araujo, Jr., Sadhan K. Adhikari, and Lauro Tomio. Complex Kohn variational principle for two-nucleon bound-state and scattering with the tensor potential. *Journal of Computational Physics*, 118(2):200–207, May 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710923`.

Daube:1992:RNSa

[Dau92a] O. Daube. Resolution of the 2D Navier–Stokes equations in velocity-vorticity form by means of an influence matrix technique. *Journal of Computational Physics*, 101(2):452, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290021P`.

Daube:1992:RNSb

[Dau92b] O. Daube. Resolution of the 2D Navier–Stokes equations in velocity-vorticity form by means of an influence matrix technique. *Journal of Computational Physics*, 103(2):402–414, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290411Q`.

Davstad:1991:MCR

[Dav91] Kjell Davstad. A multigrid conjugate residual method for the numerical solution of the Hartree–Fock equation for diatomic

molecules. *Journal of Computational Physics*, 93(2):486, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190202V`.

Davstad:1992:MCRa

[Dav92a] Kjell Davstad. A multigrid conjugate residual method for the numerical solution of the Hartree–Fock equation for diatomic molecules. *Journal of Computational Physics*, 98(1):180, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192901977`.

Davstad:1992:MCRb

[Dav92b] Kjell Davstad. A multigrid conjugate residual method for the numerical solution of the Hartree–Fock equation for diatomic molecules. *Journal of Computational Physics*, 99(1):33–38, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290272Z`.

Dietrich:1996:SPO

[DB96] Stefan Dietrich and Iain D. Boyd. Scalar and parallel optimized implementation of the direct simulation Monte Carlo method. *Journal of Computational Physics*, 126(2):328–342, July 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901412`.

Dimitropoulos:1997:ERS

[DB97] Costas D. Dimitropoulos and Antony N. Beris. An efficient and robust spectral solver for nonseparable elliptic equations. *Journal of Computational Physics*, 133(1):186–191, May 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956618`.

Debreu:1998:SAM

[DB98] L. Debreu and E. Blayo. On the Schwarz alternating method for oceanic models on parallel computers. *Journal of Computational Physics*, 141(2):93–111, April 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198958983`.

Danabasoglu:1994:ASM

[DBS94] G. Danabasoglu, S. Biringen, and C. L. Streett. Application of the spectral multidomain method to the Navier–Stokes equations. *Journal of Computational Physics*, 113(2):155–164, August 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711272`.

Demaret:1990:CCS

[DD90] P. Demaret and M. O. Deville. Chebyshev collocation solutions of the Navier–Stokes equations using multi-domain decomposition and finite element preconditioning. *Journal of Computational Physics*, 91(1):254, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090033W`.

Demaret:1991:CCS

[DD91] P. Demaret and M. O. Deville. Chebyshev collocation solutions of the Navier–Stokes equations using multi-domain decomposition and finite element preconditioning. *Journal of Computational Physics*, 95(2):359–386, August 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190281O`.

Dietrich:1992:CLT

[DD92a] S. Dietrich and H. Dette. Correlation length of time series in statistical simulations. *Journal of Computational Physics*, 101(1): 224–226, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192900554`.

Dukowicz:1992:AFH

[DD92b] John K. Dukowicz and Arkady S. Dvinsky. Approximate factorization as a high order splitting for the implicit incompressible flow equations. *Journal of Computational Physics*, 102(2):336–347, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290376A`.

Draghicescu:1995:FAV

[DD95] Cristina I. Draghicescu and Mircea Draghicescu. A fast algorithm for vortex blob interactions. *Journal of Computational Physics*, 116(1):69–78, January 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710066`.

Dawkins:1998:ONS

[DDD98] Paul T. Dawkins, Steven R. Dunbar, and Rod W. Douglass. The origin and nature of spurious eigenvalues in the spectral tau method. *Journal of Computational Physics*, 147(2):441–462, December 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960958`.

Dawson:1997:HFD

[DDS97] Trevor W. Dawson, Jan De Moerloose, and Maria A. Stuchly. Hybrid finite-difference method for high-resolution modelling of low-frequency electric induction in humans. *Journal of Computational Physics*, 136(2):640–653, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957910`.

DeLillo:1993:NCM

[DE93] Thomas K. DeLillo and Alan R. Elcrat. Numerical conformal mapping methods for exterior regions with corners. *Journal of Computational Physics*, 108(2):199–208, October 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711757`.

Druzhinin:1999:LEM

[DE99] O. A. Druzhinin and S. E. Elghobashi. A Lagrangian–Eulerian mapping solver for direct numerical simulation of bubble-laden turbulent shear flows using the two-fluid formulation. *Journal of Computational Physics*, 154(1):174–196, September 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963118`.

Dimitropoulos:1998:EPF

[DECB98] Costas D. Dimitropoulos, Brian J. Edwards, Kyung-Sun Chae, and Antony N. Beris. Efficient pseudospectral flow simulations in moderately complex geometries. *Journal of Computational Physics*, 144(2):517–549, August 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960090`.

Demeio:1992:ICEa

[Dem92a] L. Demeio. The inclusion of collisional effects in the splitting scheme. *Journal of Computational Physics*, 98(2):348, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290160Z`.

Demeio:1992:ICEb

[Dem92b] L. Demeio. The inclusion of collisional effects in the splitting scheme. *Journal of Computational Physics*, 99(2):203–208, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290202A`.

Durlofsky:1992:TBA

[DEO92] Louis J. Durlofsky, Bjorn Engquist, and Stanley Osher. Triangle based adaptive stencils for the solution of hyperbolic conservation laws. *Journal of Computational Physics*, 98(1):64–73, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290173V`.

DeVore:1991:FCT

[DeV91] C. Richard DeVore. Flux-corrected transport techniques for multidimensional compressible magnetohydrodynamics. *Journal of Computational Physics*, 92(1):142–160, January 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190295V`.

Degani:1996:PMC

[DF96] A. T. Degani and G. C. Fox. Parallel multigrid computation of the unsteady incompressible Navier–Stokes equations. *Journal of*

Computational Physics, 128(1):223–236, October 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902053`.

Driscoll:1998:BPM

[DF98] Tobin A. Driscoll and Bengt Fornberg. A block pseudospectral method for Maxwell's equations: I. One-dimensional case. *Journal of Computational Physics*, 140(1):47–65, February 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198958831`.

Donat:1998:FSA

[DFaIM98] R. Donat, J. A. Font, J. M. a Ibáñez, and A. Marquina. A flux-split algorithm applied to relativistic flows. *Journal of Computational Physics*, 146(1):58–81, October 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959551`.

deWindt:1994:CAN

[dFD+94] Laurent deWindt, Patrick Fischer, Mireille Defranceschi, Joseph Delhalle, and Joseph G. Fripiat. A combined analytical and numerical strategy to solve the atomic Hartree–Fock equations in momentum space. *Journal of Computational Physics*, 111(2): 266–274, April 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918471062X`.

Dillon:1996:MBP

[DFFG96] Robert Dillon, Lisa Fauci, Aaron Fogelson, and Donald Gaver III. Modeling biofilm processes using the immersed boundary method. *Journal of Computational Physics*, 129(1):57–73, November 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902338`.

Ducros:1999:LES

[DFN+99] F. Ducros, V. Ferrand, F. Nicoud, C. Weber, D. Darracq, C. Gacherieu, and T. Poinsot. Large-eddy simulation of the shock/turbulence interaction. *Journal of Computational Physics*, 152(2):517–549, July 1, 1999. CODEN

JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199962381.

deFrutos:1992:EIF

[dFSS92] J. de Frutos and J. M. Sanz-Serna. An easily implementable fourth-order method for the time integration of wave problems. *Journal of Computational Physics*, 103(1):160–168, November 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290331R.

daGama:1992:SSSa

[dG92a] Rogério Martins Saldanha da Gama. Simulation of the steady-state energy transfer in rigid bodies, with convective/radiative boundary conditions, employing a minimum principle. *Journal of Computational Physics*, 99(1):180, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192902927.

daGama:1992:SSSb

[dG92b] Rogério Martins Saldanha da Gama. Simulation of the steady-state energy transfer in rigid bodies, with convective/radiative boundary conditions, employing a minimum principle. *Journal of Computational Physics*, 99(2):310–320, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290210P.

daGama:1996:NSN

[dG96] Rogério Martins Saldanha da Gama. Numerical simulation of the (nonlinear) conduction/radiation heat transfer process in a nonconvex and black cylindrical body. *Journal of Computational Physics*, 128(2):341–350, October 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196902156.

Degond:1990:PSS

[DGD90] P. Degond and F. Guyot-Delaurens. Particle simulations of the semiconductor Boltzmann equation for one-dimensional inhomogeneous structures. *Journal of Computational Physics*, 90(1):65–97, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print),

1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190901979.

Dainton:1997:DCS

[DGN97] M. P. Dainton, M. H. Goldwater, and N. K. Nichols. Direct computation of stochastic flow in reservoirs with uncertain parameters. *Journal of Computational Physics*, 130(2):203–216, January 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196955783.

Dennis:1995:MSV

[DH95] S. C. R. Dennis and J. D. Hudson. Methods of solution of the velocity-vorticity formulation of the Navier–Stokes equations. *Journal of Computational Physics*, 122(2):300–306, December 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185712156.

Darmofal:1996:APP

[DH96] D. L. Darmofal and R. Haimes. An analysis of 3D particle path integration algorithms. *Journal of Computational Physics*, 123(1):182–195, January 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900157.

Dhaeseleer:1991:SCN

[DHS91] W. D. D'haeseleer, W. N. G. Hitchon, and J. L. Shohet. Self-consistent numerical "bounce-averaged" transport computations in stellarators employing a mufti-mesh approach. *Journal of Computational Physics*, 95(1):117–166, July 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190256K.

DiPeso:1994:ESD

[DHS94] Gregory DiPeso, Dennis W. Hewett, and Gregory F. Simonson. Extension of the streamlined Darwin model to quasineutral plasmas. *Journal of Computational Physics*, 111(2):237–247, April 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184710588.

Douglas:1994:GPL

[DHSS94] Craig C. Douglas, Michael Heroux, Gordon Slishman, and Roger M. Smith. GEMMW: a portable Level 3 BLAS Winograd variant of Strassen's matrix–matrix multiply algorithm. *Journal of Computational Physics*, 110(1):1–10, January 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710011`.

Dick:1990:MFP

[Dic90] Erik Dick. Multigrid formulation of polynomial flux-difference splitting for steady Euler equations. *Journal of Computational Physics*, 91(1):161–173, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090009P`.

Diebels:1995:NSB

[Die95] Stefan Diebels. Numerical study of barotropic and baroclinic behavior of a nonlinear two-layer model. *Journal of Computational Physics*, 117(1):114–120, March 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710492`.

Drikakis:1998:NMM

[DIV98] D. Drikakis, O. P. Iliev, and D. P. Vassileva. A nonlinear multigrid method for the three-dimensional incompressible Navier–Stokes equations. *Journal of Computational Physics*, 146(1):301–321, October 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960673`.

Dvorak:1990:NCI

[DK90] Steven L. Dvorak and Edward F. Kuester. Numerical computation of the incomplete Lipschitz–Hankel integral $\mathrm{Je}_0(a, z)$. *Journal of Computational Physics*, 87(2):301–327, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090255Y`.

Dvorak:1992:NCSb

[DK92a] Steven L. Dvorak and Edward F. Kuester. Numerical computation of 2D Sommerfeld integrals — a novel asymptotic extraction

technique. *Journal of Computational Physics*, 98(1):178, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192901852`.

Dvorak:1992:NCSd

[DK92b] Steven L. Dvorak and Edward F. Kuester. Numerical computation of 2D Sommerfeld integrals — A novel asymptotic extraction technique. *Journal of Computational Physics*, 98(2):217–230, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290139P`.

Dvorak:1992:NCSc

[DK92c] Steven L. Dvorak and Edward F. Kuester. Numerical computation of 2D Sommerfeld integrals — decomposition of the angular integral. *Journal of Computational Physics*, 98(2):199–216, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290138O`.

Dvorak:1992:NCSa

[DK92d] Steven L. Dvorak and Edward F. Kuester. Numerical computation of 2D Sommerfeld integrals-decomposition of the angular integral. *Journal of Computational Physics*, 98(1):178, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290184Z`.

Denton:1995:A

[DK95] Richard E. Denton and M. Kotschenreuther. δf algorithm. *Journal of Computational Physics*, 119(2):283–294, July 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711369`.

Deeba:1996:DMS

[DK96] E. Y. Deeba and S. A. Khuri. A decomposition method for solving the nonlinear Klein–Gordon equation. *Journal of Computational Physics*, 124(2):442–448, March 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900716`.

Ding:1998:LSI

[DK98] Yan Ding and Mutsuto Kawahara. Linear stability of incompressible flow using a mixed finite element method. *Journal of Computational Physics*, 139(2):243–273, January 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958769`.

Dimits:1993:PLA

[DL93] A. M. Dimits and W. W. Lee. Partially linearized algorithms in gyrokinetic particle simulation. *Journal of Computational Physics*, 107(2):309–323, August 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711460`.

Dumas:1994:DFS

[DL94a] Guy Dumas and Anthony Leonard. A divergence-free spectral expansions method for three-dimensional flows in spherical-gap geometries. *Journal of Computational Physics*, 111(2):205–219, April 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710564`.

Dunn:1994:CCI

[DL94b] J. H. Dunn and S. G. Lambrakos. Calculating complex interactions in molecular dynamics simulations employing Lagrangian particle tracking schemes. *Journal of Computational Physics*, 111(1):15–23, March 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710394`.

Dunn:1991:ACI

[DLMN91] J. H. Dunn, S. G. Lambrakos, P. G. Moore, and M. Nagumo. An algorithm for calculating intramolecular angle-dependent forces on vector computers. *Journal of Computational Physics*, 97(2):584, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190030O`.

Dunn:1992:ACIb

[DLMN92a] J. H. Dunn, S. G. Lambrakos, P. G. Moore, and M. Nagumo. An algorithm for calculating intramolecular angle-dependent forces on vector computers. *Journal of Computational Physics*, 99(1): 179, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290288A`.

Dunn:1992:ACIa

[DLMN92b] J. H. Dunn, S. G. Lambrakos, P. G. Moore, and M. Nagumo. An algorithm for calculating intramolecular angle-dependent forces on vector computers. *Journal of Computational Physics*, 100(1): 17–24, May 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290306J`.

deFrutos:1995:FDS

[dLMSS95] J. deFrutos, M. A. López-Marcos, and J. M. Sanz-Serna. A finite difference scheme for the $K(2, 2)$ compacton equation. *Journal of Computational Physics*, 120(2):248–252, September 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711618`.

Drummond:1990:CSM

[DM90] P. D. Drummond and I. K. Mortimer. Computer simulations of multiplicative stochastic differential equations. *Journal of Computational Physics*, 89(1):252, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090131J`.

Das:1991:ASI

[DM91a] Shuvra Das and Ambar K. Mitra. An algorithm for the solution of inverse Laplace problems and its application in flaw identification in materials. *Journal of Computational Physics*, 94(1):254, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190157G`.

Drummond:1991:CSM

[DM91b] P. D. Drummond and I. K. Mortimer. Computer simulations of multiplicative stochastic differential equations. *Jour-*

nal of Computational Physics, 93(1):144–170, March 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190077X`.

Das:1992:ASIa

[DM92a] Shuvra Das and Ambar K. Mitra. An algorithm for the solution of inverse Laplace problems and its application in flaw identification in materials. *Journal of Computational Physics*, 98(1): 180, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192901955`.

Das:1992:ASIb

[DM92b] Shuvra Das and Ambar K. Mitra. An algorithm for the solution of inverse Laplace problems and its application in flaw identification in materials. *Journal of Computational Physics*, 99(1): 99–105, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192902787`.

Deissler:1992:ESR

[DM92c] Robert G. Deissler and Frank B. Molls. Effect of spatial resolution on apparent sensitivity to initial conditions of a decaying flow as it becomes turbulent. *Journal of Computational Physics*, 100(2): 430–432, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192902503`.

Dukowicz:1992:VEMa

[DM92d] John K. Dukowicz and Bertrand J. A. Meltz. Vorticity errors in multidimensional Lagrangian codes. *Journal of Computational Physics*, 98(2):347, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290151N`.

Dukowicz:1992:VEMb

[DM92e] John K. Dukowicz and Bertrand J. A. Meltz. Vorticity errors in multidimensional Lagrangian codes. *Journal of Computational Physics*, 99(1):115–134, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290280C`.

Dorofeyev:1993:ONA

[DM93] Vladimir E. Dorofeyev and Alexey K. Mazur. Optimization of numerical algorithms for internal coordinate molecular dynamics. *Journal of Computational Physics*, 107(2):359–366, August 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711502`.

Donat:1996:CSR

[DM96] Rosa Donat and Antonio Marquina. Capturing shock reflections: An improved flux formula. *Journal of Computational Physics*, 125(1):42–58, April 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900789`.

deMarkus:1997:CAN

[dM97a] Alicia Serfaty de Markus. Chaotic algorithms: a numerical exploration of the dynamics of a stiff photoconductor model. *Journal of Computational Physics*, 132(2):409–411, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956193`.

Deng:1997:CHO

[DM97b] Xiaogang Deng and Hiroshi Maekawa. Compact high-order accurate nonlinear schemes. *Journal of Computational Physics*, 130(1):77–91, January 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955539`.

Duong:1999:MDS

[DMW99] Tap Ha Duong, Ernest L. Mehler, and Harel Weinstein. Molecular dynamics simulation of membranes and a transmembrane helix. *Journal of Computational Physics*, 151(1):358–387, May 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962228`.

Dipeso:1991:PSP

[DMZ91] G. Dipeso, E. C. Morse, and R. W. Ziolkowski. δf and particle simulations of parametric instabilities. *Journal of Computational Physics*, 96(2):325–338, October 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/002199919190239H.

Dennis:1993:NSS

[DNN93] S. C. R. Dennis, M. Ng, and P. Nguyen. Numerical solution for the steady motion of a viscous fluid inside a circular boundary using integral conditions. *Journal of Computational Physics*, 108(1):142–152, September 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183711691.

deNicola:1995:CCE

[dNPT95] C. de Nicola, G. Pinto, and R. Tognaccini. On the conditional consistency of an explicit numerical scheme. *Journal of Computational Physics*, 120(2):378–382, September 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185711734.

Dobson:1999:EMB

[Dob99] David C. Dobson. An efficient method for band structure calculations in 2D photonic crystals. *Journal of Computational Physics*, 149(2):363–376, March 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198961575.

Dold:1992:ESIa

[Dol92a] J. W. Dold. An efficient surface-integral algorithm applied to unsteady gravity waves. *Journal of Computational Physics*, 101 (1):227, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192900576.

Dold:1992:ESIb

[Dol92b] J. W. Dold. An efficient surface-integral algorithm applied to unsteady gravity waves. *Journal of Computational Physics*, 103(1):90–115, November 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290327U.

Domaradzki:1990:AGF

[Dom90] J. Andrzej Domaradzki. An analytic Green's functions method in pseudo-spectral Navier–Stokes solvers for boundary layer and channel flows. *Journal of Computational Physics*, 88(1):232–242, May 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090249Z`.

Don:1994:NSP

[Don94] Wai Sun Don. Numerical study of pseudospectral methods in shock wave applications. *Journal of Computational Physics*, 110(1):103–111, January 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710084`.

Dauber-Osguthorpe:1999:LFM

[DOOSM99] Pnina Dauber-Osguthorpe, David J. Osguthorpe, Peter S. Stern, and John Moult. Low frequency motion in proteins: Comparison of normal mode and molecular dynamics of streptomyces griseus protease A. *Journal of Computational Physics*, 151(1):169–189, May 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962320`.

Dormy:1999:ACT

[Dor99] Emmanuel Dormy. An accurate compact treatment of pressure for colocated variables. *Journal of Computational Physics*, 151(2):676–683, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962137`.

Duraiswami:1991:OMT

[DP91] Ramani Duraiswami and Andrea Prosperetti. Orthogonal mapping in two dimensions. *Journal of Computational Physics*, 97(2):580, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190018G`.

DeZeeuw:1992:ARC

[DP92a] Darren De Zeeuw and Kenneth G. Powell. An adaptively-refined Cartesian mesh solver for the Euler equations. *Journal*

of Computational Physics, 101(2):453–454, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290033U.

Duraiswami:1992:OMTa

[DP92b] Ramani Duraiswami and Andrea Prosperetti. Orthogonal mapping in two dimensions. *Journal of Computational Physics*, 98(1): 179, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192901896.

Duraiswami:1992:OMTb

[DP92c] Ramani Duraiswami and Andrea Prosperetti. Orthogonal mapping in two dimensions. *Journal of Computational Physics*, 98(2):254–268, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290141K.

DeZeeuw:1993:ARC

[DP93] Darren DeZeeuw and Kenneth G. Powell. An adaptively refined Cartesian mesh solver for the Euler equations. *Journal of Computational Physics*, 104(1):56–68, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183710077.

Don:1995:NSS

[DQ95] Wai Sun Don and Carl B. Quillen. Numerical simulation of shock-cylinder interactions: I. Resolution. *Journal of Computational Physics*, 122(2):244–265, December 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185712119.

Delaurentis:1990:MCM

[DR90] J. M. Delaurentis and L. A. Romero. A Monte Carlo method for Poisson's equation. *Journal of Computational Physics*, 90(1):123–140, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090199B.

Deakin:1996:SBC

[DR96] A. S. Deakin and H. Rasmussen. Sparse boundary conditions on artificial boundaries for three-dimensional potential problems. *Journal of Computational Physics*, 129(1):111–120, November 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902375`.

Drake:1990:VFM

[Dra90] Douglas J. Drake. View-factor method for solving time-dependent radiation transport problems involving fixed surfaces with intervening, participating media. *Journal of Computational Physics*, 87(1):73–90, March 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090226Q`.

Dritschel:1997:ICD

[Dri97] David G. Dritschel. Introduction to "Contour Dynamics for the Euler Equations in Two Dimensions". *Journal of Computational Physics*, 135(2):217–219, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957466`.

Drukker:1999:BSH

[Dru99] Karen Drukker. Basics of surface hopping in mixed quantum/classical simulations. *Journal of Computational Physics*, 153(2):225–272, August 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962873`.

Dueck:1990:TAG

[DS90] Gunter Dueck and Tobias Scheuer. Threshold accepting: a general purpose optimization algorithm appearing superior to simulated annealing. *Journal of Computational Physics*, 90(1):161–175, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090201B`.

Dutt:1994:GCM

[DS94] P. Dutt and A. K. Singh. The Galerkin-collocation method for hyperbolic initial boundary value problems. *Journal of*

Computational Physics, 112(2):211–225, June 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918471093X`.

Darmofal:1996:IEL

[DS96] D. L. Darmofal and P. J. Schmid. The importance of eigenvectors for local preconditioners of the Euler equations. *Journal of Computational Physics*, 127(2):346–362, September 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901801`.

Datta:1997:FAT

[DS97a] Sujay Datta and Deshdeep Sahdev. Fast algorithms for triangular Josephson junction arrays. *Journal of Computational Physics*, 132(2):276–284, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919695620X`.

Domelevo:1997:NMC

[DS97b] K. Domelevo and L. Sainsaulieu. A numerical method for the computation of the dispersion of a cloud of particles by a turbulent gas flow field. *Journal of Computational Physics*, 133(2):256–278, May 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956606`.

Darmofal:1999:RMA

[DS99] D. L. Darmofal and K. Siu. A robust multigrid algorithm for the Euler equations with local preconditioning and semi-coarsening. *Journal of Computational Physics*, 151(2):728–756, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962162`.

Dannelongue:1990:EDSa

[DT90a] H. H. Dannelongue and P. A. Tanguy. Efficient data structures for adaptive remeshing with the FEM. *Journal of Computational Physics*, 87(2):495, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190902697`.

Dannelongue:1990:EDSb

[DT90b] H. H. Dannelongue and P. A. Tanguy. Efficient data structures for adaptive remeshing with the FEM. *Journal of Computational Physics*, 91(1):94–109, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090006M`.

Dereli:1992:SSA

[DÜ92a] T. Dereli and G. Üçoluk. A study of stationary, axially symmetric space–time geometries satisfying modified double duality equations using the exterior calculus package X^{TR} for REDUCE. *Journal of Computational Physics*, 99(1):169–175, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192902846`.

Derili:1992:SSA

[DÜ92b] T. Derili and G. Üçoluk. A study of stationary, axially symmetric space–time geometries satisfying modified double duality equations using the exterior calculus package $X^T R$ for Reduce. *Journal of Computational Physics*, 98(2):349, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290163S`.

Dueck:1993:NOH

[Due93] Gunter Dueck. New optimization heuristics: The great deluge algorithm and the record-to-record travel. *Journal of Computational Physics*, 104(1):86–92, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710107`.

Dukowicz:1991:VEM

[Duk91] John K. Dukowicz. Vorticity errors in multidimensional Lagrangian codes. *Journal of Computational Physics*, 93(1):251, March 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190085Y`.

Dukowicz:1995:MER

[Duk95] John K. Dukowicz. Mesh effects for Rossby waves. *Journal of Computational Physics*, 119(1):188–194, June 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711266`.

Durlofsky:1991:TBA

[Dur91] Louis J. Durlofsky. Triangle based adaptive stencils for the solution of hyperbolic conservation laws. *Journal of Computational Physics*, 94(1):252, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190152B`.

Durlofsky:1993:TBM

[Dur93] Louis J. Durlofsky. A triangle based mixed finite element-finite volume technique for modeling two phase flow through porous media. *Journal of Computational Physics*, 105(2):252–266, April 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710727`.

Dang-Vu:1993:ASP

[DVD93] H. Dang-Vu and C. Delcarte. An accurate solution of the Poisson equation by the Chebyshev collocation method. *Journal of Computational Physics*, 104(1):211–220, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710211`.

Dvinsky:1990:AGG

[Dvi90] Arkady S. Dvinsky. Adaptive grid generation from harmonic maps on Riemannian manifolds. *Journal of Computational Physics*, 91(1):250, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190900202`.

Dvinsky:1991:AGG

[Dvi91] Arkady S. Dvinsky. Adaptive grid generation from harmonic maps on Riemannian manifolds. *Journal of Computational Physics*, 95(2):450–476, August 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/002199919190285S.

Dvorak:1991:NCS

[Dvo91] Steven L. Dvorak. Numerical computation of 2D Sommerfeld integrals — decomposition of the angular integral. *Journal of Computational Physics*, 94(1):253–254, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190156F.

Degani:1993:CAT

[DW93] A. T. Degani and J. D. A. Walker. Computation of attached three-dimensional turbulent boundary layers. *Journal of Computational Physics*, 109(2):202–214, December 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199918371212X.

Dai:1994:ARS

[DW94a] Wenlong Dai and Paul R. Woodward. An approximate Riemann solver for ideal magnetohydrodynamics. *Journal of Computational Physics*, 111(2):354–372, April 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184710692.

Dai:1994:EPP

[DW94b] Wenlong Dai and Paul R. Woodward. Extension of the piecewise parabolic method to multidimensional ideal magnetohydrodynamics. *Journal of Computational Physics*, 115(2):485–514, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184712125.

Dai:1995:SRS

[DW95a] Wenlong Dai and Paul R. Woodward. A simple Riemann solver and high-order Godunov schemes for hyperbolic systems of conservation laws. *Journal of Computational Physics*, 121(1):51–65, October 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185711783.

Dolezal:1995:RHE

[DW95b] A. Dolezal and S. S. M. Wong. Relativistic hydrodynamics and essentially non-oscillatory shock capturing schemes. *Journal of Computational Physics*, 120(2):266–277, September 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711643`.

Dai:1996:III

[DW96a] Wenlong Dai and Paul R. Woodward. Iterative implementation of an implicit-explicit hybrid scheme for hydrodynamics. *Journal of Computational Physics*, 124(1):217–229, March 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900546`.

Dai:1996:SOI

[DW96b] Wenlong Dai and Paul R. Woodward. A second-order iterative implicit-explicit hybrid scheme for hyperbolic systems of conservation laws. *Journal of Computational Physics*, 128(1):181–196, October 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902028`.

Dai:1997:SOU

[DW97] Wenlong Dai and Paul R. Woodward. A second-order unsplit Godunov scheme for two- and three-dimensional Euler equations. *Journal of Computational Physics*, 134(2):261–281, July 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919795693X`.

Dai:1998:NSN

[DW98a] Wenlong Dai and Paul R. Woodward. Numerical simulations for nonlinear heat transfer in a system of multimaterials. *Journal of Computational Physics*, 139(1):58–78, January 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958630`.

Dai:1998:NSR

[DW98b] Wenlong Dai and Paul R. Woodward. Numerical simulations for radiation hydrodynamics. I. Diffusion limit. *Journal of*

Computational Physics, 142(1):182–207, May 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919895940X`.

Dai:1998:SFD

[DW98c] Wenlong Dai and Paul R. Woodward. A simple finite difference scheme for multidimensional magnetohydrodynamical equations. *Journal of Computational Physics*, 142(2):331–369, May 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959447`.

Dritschel:1991:NFN

[DZ91] David G. Dritschel and Norman J. Zabusky. A new, but flawed, numerical method for vortex patch evolution in two dimensions. *Journal of Computational Physics*, 93(2):481–484, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190197S`.

DeHaas:1996:ADD

[DZ96] P. C. A. De Haas and P. J. Zandbergen. The application of domain decomposition to time-domain computations of nonlinear water waves with a panel method. *Journal of Computational Physics*, 129(2):332–344, December 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902533`.

Edelstein:1997:BSM

[EA97] Arieh L. Edelstein and Noam Agmon. Brownian simulation of many-particle binding to a reversible receptor array. *Journal of Computational Physics*, 132(2):260–275, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919695617X`.

Ely:1994:HPC

[EB94] Jeffrey S. Ely and Gregory R. Baker. High-precision calculations of vortex sheet motion. *Journal of Computational Physics*, 111(2):275–281, April 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710631`.

Eca:1996:OGG

[Eça96] Luis Eça. 2D orthogonal grid generation with boundary point distribution control. *Journal of Computational Physics*, 125(2): 440–453, May 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901060`.

Edwards:1996:IMA

[Edw96a] Jack R. Edwards. An implicit multigrid algorithm for computing hypersonic, chemically reacting viscous flows. *Journal of Computational Physics*, 123(1):84–95, January 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900078`.

Edwards:1996:EAG

[Edw96b] Michael G. Edwards. Elimination of adaptive grid interface errors in the discrete cell centered pressure equation. *Journal of Computational Physics*, 126(2):356–372, July 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901436`.

Efraimsson:1997:AIA

[Efr97] Gunilla Efraimsson. A 2D analysis of the influence of artificial viscosity terms on solutions of the Euler equations. *Journal of Computational Physics*, 138(1):103–120, November 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958289`.

Ern:1995:FAM

[EG95] Alexandre Ern and Vincent Giovangigli. Fast and accurate multicomponent transport property evaluation. *Journal of Computational Physics*, 120(1):105–116, August 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711515`.

Ern:1996:NST

[EGS96] Alexandre Ern, Vincent Giovangigli, and Mitchell D. Smooke. Numerical study of a three-dimensional chemical vapor deposition reactor with detailed chemistry. *Journal of Computational*

Physics, 126(1):21–39, June 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901175`.

Esselink:1993:EPIb

[EH93] K. Esselink and P. A. J. Hilbers. Efficient parallel implementation of molecular dynamics on a toroidal network. Part II. Multiparticle potentials. *Journal of Computational Physics*, 106(1): 108–114, May 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710958`.

Elliott:1997:FWM

[EHM97] Frank W. Elliott, Jr., David J. Horntrop, and Andrew J. Majda. A Fourier-wavelet Monte Carlo method for fractal random fields. *Journal of Computational Physics*, 132(2):384–408, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956478`.

Eisen:1990:SCM

[EHW90] Henner Eisen, Wilhelm Heinrichs, and Kristian Witsch. Spectral collocation methods and polar coordinate singularities. *Journal of Computational Physics*, 91(1):251, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090022S`.

Eisen:1991:SCM

[EHW91] Henner Eisen, Wilhelm Heinrichs, and Kristian Witsch. Spectral collocation methods and polar coordinate singularities. *Journal of Computational Physics*, 96(2):241–257, October 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190235D`.

Ekaterinaris:1999:IHR

[Eka99] John A. Ekaterinaris. Implicit, high-resolution, compact schemes for gas dynamics and aeroacoustics. *Journal of Computational Physics*, 156(2):272–299, December 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919996360X`.

E:1996:ECS

[EL96a] Weinan E. and Jian-Guo Liu. Essentially compact schemes for unsteady viscous incompressible flows. *Journal of Computational Physics*, 126(1):122–138, June 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901254`.

E:1996:VBC

[EL96b] Weinan E. and Jian-Guo Liu. Vorticity boundary condition and related issues for finite difference schemes. *Journal of Computational Physics*, 124(2):368–382, March 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900662`.

Engquist:1996:NCG

[EL96c] Bjorn Engquist and Erding Luo. New coarse grid operators for highly oscillatory coefficient elliptic problems. *Journal of Computational Physics*, 129(2):296–306, December 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919690251X`.

E:1997:FDM

[EL97a] Weinan E. and Jian-Guo Liu. Finite difference methods for 3D viscous incompressible flows in the vorticity-vector potential formulation on nonstaggered grids. *Journal of Computational Physics*, 138(1):57–82, November 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958150`.

E:1997:FDS

[EL97b] Weinan E. and Jian-Guo Liu. Finite difference schemes for incompressible flows in the velocity-impulse density formulation. *Journal of Computational Physics*, 130(1):67–76, January 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955370`.

Elliott:1994:WMC

[EM94] Frank W. Elliott, Jr. and Andrew J. Majda. A wavelet Monte Carlo method for turbulent diffusion with many spatial scales.

Journal of Computational Physics, 113(1):82–111, July 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918471120X`.

Elliott:1995:NAP

[EM95] Frank W. Elliott, Jr. and Andrew J. Majda. A new algorithm with plane waves and wavelets for random velocity fields with many spatial scales. *Journal of Computational Physics*, 117(1):146–162, March 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710522`.

Einfeldt:1991:GTM

[EMRS91] B. Einfeldt, C. D. Munz, P. L. Roe, and B. Sjögreen. On Godunov-type methods near low densities. *Journal of Computational Physics*, 92(2):273–295, February 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191902113`.

Enander:1993:IIR

[Ena93] Rickard Enander. Improved implicit residual smoothing for steady state computations of first-order hyperbolic systems. *Journal of Computational Physics*, 107(2):291–296, August 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711447`.

Elman:1998:EIS

[EO98] Howard C. Elman and Dianne P. O'Leary. Efficient iterative solution of the three-dimensional Helmholtz equation. *Journal of Computational Physics*, 142(1):163–181, May 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959393`.

Ehrendorfer:1998:TDM

[EOS98] K. Ehrendorfer, F. Ottitsch, and H. Sockel. A time-domain method for the determination of unsteady pressure with a tube of constant cross-section. *Journal of Computational Physics*, 142(1): 67–79, May 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959320`.

Elghaoui:1996:SEM

[EP96] M. Elghaoui and R. Pasquetti. A spectral embedding method applied to the advection-diffusion equation. *Journal of Computational Physics*, 125(2):464–476, May 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901084`.

Elghaoui:1999:MSB

[EP99] M. Elghaoui and R. Pasquetti. Mixed spectral-boundary element embedding algorithms for the Navier–Stokes equations in the vorticity-stream function formulation. *Journal of Computational Physics*, 153(1):82–100, July 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962654`.

Epperlein:1994:ICD

[Epp94] E. M. Epperlein. Implicit and conservative difference scheme for the Fokker–Planck equation. *Journal of Computational Physics*, 112(2):291–297, June 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711016`.

Eckhoff:1996:NSL

[ER96] Knut S. Eckhoff and Jens H. Rolfsnes. On nonsmooth solutions of linear hyperbolic systems. *Journal of Computational Physics*, 125 (1):1–15, April 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900753`.

Ern:1992:VVF

[ES92] A. Ern and M. D. Smooke. Vorticity-velocity formulation for three-dimensional steady compressible flows. *Journal of Computational Physics*, 103(1):187, November 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290337X`.

Ern:1993:VVF

[ES93] A. Ern and M. D. Smooke. Vorticity-velocity formulation for three-dimensional steady compressible flows. *Journal of Computational Physics*, 105(1):58–71, March 1993. CODEN

JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183710533.

E:1994:NRS

[ES94] Weinan E. and Chi-Wang Shu. A numerical resolution study of high order essentially non-oscillatory schemes applied to incompressible flow. *Journal of Computational Physics*, 110(1):39–46, January 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184710047.

Elschner:1998:NSO

[ES98] J. Elschner and G. Schmidt. Numerical solution of optimal design problems for binary gratings. *Journal of Computational Physics*, 146(2):603–626, November 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960715.

Esselink:1993:EPIa

[ESH93] K. Esselink, B. Smit, and P. A. J. Hilbers. Efficient parallel implementation of molecular dynamics on a toroidal network. Part I. Parallelizing strategy. *Journal of Computational Physics*, 106(1):101–107, May 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183710946.

Ergin:1998:FET

[ESM98] A. Arif Ergin, Balasubramaniam Shanker, and Eric Michielssen. Fast evaluation of three-dimensional transient wave fields using diagonal translation operators. *Journal of Computational Physics*, 146(1):157–180, October 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959083.

Edwards:1994:KMI

[ETFS94] W. S. Edwards, L. S. Tuckerman, R. A. Friesner, and D. C. Sorensen. Krylov methods for the incompressible Navier–Stokes equations. *Journal of Computational Physics*, 110(1):82–102, January 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184710072.

Efrat:1995:RAC

[ETRW95] I. Efrat, M. Tismenetsky, B. J. Rubin, and I. Webman. Robust algorithms for the calculation of full-wave electromagnetic solutions. *Journal of Computational Physics*, 117(1):163–170, March 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710534`.

Everett:1996:HPE

[Eve96] M. E. Everett. Homotopy, polynomial equations, gross boundary data, and small Helmholtz systems. *Journal of Computational Physics*, 124(2):431–441, March 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900704`.

Edlund:1997:HOP

[EVP97] Åke Edlund, Ilya Vorobeichik, and Uri Peskin. High order perturbation theory for Helmholtz/Schrödinger equations via a separable preconditioner. *Journal of Computational Physics*, 138(2):788–800, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958459`.

Eyert:1996:CSM

[Eye96] V. Eyert. A comparative study on methods for convergence acceleration of iterative vector sequences. *Journal of Computational Physics*, 124(2):271–285, March 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900595`.

Eyre:1994:CSP

[Eyr94] D. Eyre. Cubic spline-projection method for two-dimensional integral equations of scattering theory. *Journal of Computational Physics*, 114(1):1–8, September 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711442`.

Eyre:1995:SGS

[Eyr95] D. Eyre. Spline-Galerkin solution of dynamic equations for particle comminution and collection. *Journal of Computational Physics*, 120(2):305–315, September 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711667`.

Freedman:1990:NIS

[FA90] Alex Freedman and Steven P. Auerbach. Numerically induced stochasticity. *Journal of Computational Physics*, 89(1):253, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090135N`.

Friedman:1991:NIS

[FA91] Alex Friedman and Steven P. Auerbach. Numerically induced stochasticity. *Journal of Computational Physics*, 93(1):171–188, March 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190078Y`.

Fedoseyev:1997:IFE

[FA97] Alexandre I. Fedoseyev and J. Iwan D. Alexander. An inverse finite element method for pure and binary solidification problems. *Journal of Computational Physics*, 130(2):243–255, January 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955825`.

Fabre:1992:SAE

[Fab92] Sylvie Fabre. Stability analysis of the Euler–Poisson equations. *Journal of Computational Physics*, 101(2):445–451, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290020Y`.

Falcovitz:1997:TDC

[FAH97] J. Falcovitz, G. Alfandary, and G. Hanoch. A two-dimensional conservation laws scheme for compressible flows with moving boundaries. *Journal of Computational Physics*, 138(1):83–102, November 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print),

1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197958083.

Fedkiw:1999:NOE

[FAMO99] Ronald P. Fedkiw, Tariq Aslam, Barry Merriman, and Stanley Osher. A non-oscillatory Eulerian approach to interfaces in multimaterial flows (the ghost fluid method). *Journal of Computational Physics*, 152(2):457–492, July 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199962368.

Fattebert:1999:FDS

[Fat99] Jean-Luc Fattebert. Finite difference schemes and block Rayleigh quotient iteration for electronic structure calculations on composite grids. *Journal of Computational Physics*, 149(1):75–94, February 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198961381.

Fauci:1990:IOF

[Fau90] Lisa J. Fauci. Interaction of oscillating filaments: a computational study. *Journal of Computational Physics*, 86(2):294–313, February 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190901038.

Fedkiw:1999:GFM

[FAX99] Ronald P. Fedkiw, Tariq Aslam, and Shaojie Xu. The ghost fluid method for deflagration and detonation discontinuities. *Journal of Computational Physics*, 154(2):393–427, September 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199963209.

Falcovitz:1994:STC

[FB94] J. Falcovitz and A. Birman. A singularities tracking conservation laws scheme for compressible duct flows. *Journal of Computational Physics*, 115(2):431–439, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184712083.

Fallavollita:1993:RSC

[FBM93] M. A. Fallavollita, D. Baganoff, and J. D. McDonald. Reduction of simulation cost and error for particle simulations of rarefied flows. *Journal of Computational Physics*, 109(1):30–36, November 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711964`.

Floryan:1995:NTC

[FC95] J. M. Floryan and L. Czechowski. On the numerical treatment of corner singularity in the vorticity field. *Journal of Computational Physics*, 118(2):222–228, May 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710947`.

Fusina:1997:HRC

[FCC97] R. A. Fusina, A. L. Cooper, and S. R. Chubb. High resolution computations of ocean wave spectral modulations due to two-dimensional wave-current interactions. *Journal of Computational Physics*, 132(2):215–225, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955862`.

Fogelson:1993:OSF

[FD93] Aaron L. Fogelson and Robert H. Dillon. Optimal smoothing in function-transport particle methods for diffusion problems. *Journal of Computational Physics*, 109(2):155–163, December 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183712088`.

Fornberg:1999:FSA

[FD99] Bengt Fornberg and Tobin A. Driscoll. A fast spectral algorithm for nonlinear wave equations with linear dispersion. *Journal of Computational Physics*, 155(2):456–467, November 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963519`.

Feng:1999:AGF

[Fen99] James Q. Feng. Application of Galerkin finite-element method with Newton iterations in computing steady-state solutions of unipolar charge currents in corona devices. *Journal of Computational Physics*, 151(2):969–989, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962290`.

Fatemi:1995:NSH

[FEO95] E. Fatemi, B. Engquist, and S. Osher. Numerical solution of the high frequency asymptotic expansion for the scalar wave equation. *Journal of Computational Physics*, 120(1):145–155, August 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711540`.

Ferm:1990:OBCa

[Fer90a] Lars Ferm. Open boundary conditions for external flow problems. *Journal of Computational Physics*, 87(2):495, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090270B`.

Ferm:1990:OBCb

[Fer90b] Lars Ferm. Open boundary conditions for external flow problems. *Journal of Computational Physics*, 91(1):55–70, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090004K`.

Ferm:1995:NRB

[Fer95] Lars Ferm. Non-reflecting boundary conditions for the steady Euler equations. *Journal of Computational Physics*, 122(2):307–316, December 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185712168`.

Fey:1998:MUPa

[Fey98a] Michael Fey. Multidimensional upwinding. Part I. The method of transport for solving the Euler equations. *Journal of Computational Physics*, 143(1):159–180, June 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999198959587.

Fey:1998:MUPb

[Fey98b] Michael Fey. Multidimensional upwinding. Part II. Decomposition of the Euler equations into advection equations. *Journal of Computational Physics*, 143(1):181–199, June 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959599.

FroeseFischer:1990:SAHb

[FG90a] Charlotte Froese Fischer and W. Guo. Spline algorithms for the Hartree–Fock equation for the helium ground state. *Journal of Computational Physics*, 87(2):496, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190902745.

FroeseFischer:1990:SAH

[FG90b] Charlotte Froese Fischer and W. Guo. Spline algorithms for the Hartree–Fock equation for the helium ground state. *Journal of Computational Physics*, 90(2):486–496, October 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190901762.

Figotin:1997:CSS

[FG97] Alexander Figotin and Yuri A. Godin. The computation of spectra of some 2D photonic crystals. *Journal of Computational Physics*, 136(2):585–598, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197957831.

Friedel:1997:AMR

[FGM97] Holger Friedel, Rainer Grauer, and Christiane Marliani. Adaptive mesh refinement for singular current sheets in incompressible magnetohydrodynamic flows. *Journal of Computational Physics*, 134(1):190–198, June 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197956837.

Farouki:1994:SAE

[FH94] R. T. Farouki and S. Hamaguchi. Spline approximation of "effective" potentials under periodic boundary conditions. *Journal of Computational Physics*, 115(2):276–287, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711958`.

Farin:1997:CTG

[FH97] Gerald Farin and Bernd Hamann. Current trends in geometric modeling and selected computational applications. *Journal of Computational Physics*, 138(1):1–15, November 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956211`.

Filippova:1998:GRL

[FH98a] Olga Filippova and Dieter Hänel. Grid refinement for lattice-BGK models. *Journal of Computational Physics*, 147(1):219–228, November 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960892`.

Florea:1998:EAU

[FH98b] Razvan Florea and Kenneth C. Hall. Eigenmode analysis of unsteady flows about airfoils. *Journal of Computational Physics*, 147(2):568–593, December 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961022`.

Fidel:1997:HRF

[FHKZ97] B. Fidel, E. Heyman, R. Kastner, and R. W. Ziolkowski. Hybrid ray-FDTD moving window approach to pulse propagation. *Journal of Computational Physics*, 138(2):480–500, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958277`.

Frank:1997:GIC

[FHL97] Jason Frank, Weizhang Huang, and Benedict Leimkuhler. Geometric integrators for classical spin systems. *Journal of*

Computational Physics, 133(1):160–172, May 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956722`.

Figueiredo:1992:PFP

[Fig92] JoséRicardo Figueiredo. Performance of five-point differencing schemes for two-dimensional fluid transport equations. *Journal of Computational Physics*, 101(2):256–264, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290003H`.

Fishelov:1990:NVS

[Fis90] Dalia Fishelov. A new vortex scheme for viscous flows. *Journal of Computational Physics*, 86(1):211–224, January 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090098L`.

Fishelov:1994:STD

[Fis94] Dalia Fishelov. Simulation of three-dimensional turbulent flow in non-Cartesian geometry. *Journal of Computational Physics*, 115(2):249–266, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711934`.

Fischer:1997:OSM

[Fis97] Paul F. Fischer. An overlapping Schwarz method for spectral element solution of the incompressible Navier–Stokes equations. *Journal of Computational Physics*, 133(1):84–101, May 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956515`.

Forrer:1998:HOB

[FJ98] Hans Forrer and Rolf Jeltsch. A higher-order boundary treatment for Cartesian-grid methods. *Journal of Computational Physics*, 140(2):259–277, March 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198958910`.

Fortin:1994:ONR

[FJGP94] A. Fortin, M. Jardak, J. J. Gervais, and R. Pierre. Old and new results on the two-dimensional Poiseuille flow. *Journal of Computational Physics*, 115(2):455–469, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184712101`.

Foidl:1990:SGL

[FK90] Ch Foidl and P. Kasperkovitz. Systematic generation of linear graphs — check and extension of the list of Uhlenbeck and Ford. *Journal of Computational Physics*, 89(1):246–250, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090125K`.

Figotin:1997:BSO

[FK97] Alexander Figotin and Igor Khalfin. Bound states of a one-band model for 3D periodic medium. *Journal of Computational Physics*, 138(1):153–170, November 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958216`.

Feng:1999:CSM

[FKM99] B.-F Feng, T. Kawahara, and T. Mitsui. A conservative spectral method for several two-dimensional nonlinear wave equations. *Journal of Computational Physics*, 153(2):467–487, August 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962861`.

Flaa:1992:NECb

[Flå92a] Tor Flå. A numerical energy conserving method for the DNLS equation. *Journal of Computational Physics*, 99(2):352, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290223L`.

Flaa:1992:NECa

[Flå92b] Tor Flå. A numerical energy conserving method for the DNLS equation. *Journal of Computational Physics*, 101(1):71–79, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716

(electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290043X.

Ferraro:1993:DLB

[FLD93] Robert D. Ferraro, Paulett C. Liewer, and Viktor K. Decyk. Dynamic load balancing for a 2D concurrent plasma PIC code. *Journal of Computational Physics*, 109(2):329–341, December 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183712210.

Fraga:1992:AMRa

[FM92] Eric S. Fraga and John Ll. Morris. An adaptive mesh refinement method for nonlinear dispersive wave equations. *Journal of Computational Physics*, 101(1):94–103, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290045Z.

Fu:1997:HOA

[FM97] Dexun Fu and Yanwen Ma. A high order accurate difference scheme for complex flow fields. *Journal of Computational Physics*, 134(1):1–15, June 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196954923.

Fedkiw:1999:IFO

[FMM99] Ronald P. Fedkiw, Antonio Marquina, and Barry Merriman. An isobaric fix for the overheating problem in multimaterial compressible flows. *Journal of Computational Physics*, 148 (2):545–578, January 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198961290.

Fedkiw:1997:HAN

[FMO97] Ronald P. Fedkiw, Barry Merriman, and Stanley Osher. High accuracy numerical methods for thermally perfect gas flows with chemistry. *Journal of Computational Physics*, 132(2):175–190, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196956223.

Fedkiw:1998:ECP

[FMO98] Ronald P. Fedkiw, Barry Merriman, and Stanley Osher. Efficient characteristic projection in upwind difference schemes for hyperbolic systems: The complementary projection method. *Journal of Computational Physics*, 141(1):22–36, March 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959137`.

Fornberg:1992:FDPb

[FMS92] Bengt Fornberg and Rita Meyer-Spasche. A finite difference procedure for a class of free boundary problems. *Journal of Computational Physics*, 102(1):72–77, September 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999105800063`.

Fatemi:1993:UFD

[FO93] Emad Fatemi and Faroukh Odeh. Upwind finite difference solution of Boltzmann equation applied to electron transport in semiconductor devices. *Journal of Computational Physics*, 108(2):209–217, October 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711769`.

Fogelson:1992:PMSb

[Fog92a] Aaron L. Fogelson. Particle-method solution of two-dimensional convection-diffusion equations. *Journal of Computational Physics*, 99(1):181, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290300N`.

Fogelson:1992:PMSa

[Fog92b] Aaron L. Fogelson. Particle-method solution of two-dimensional convection-diffusion equations. *Journal of Computational Physics*, 100(1):1–16, May 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290305I`.

Fornberg:1990:IPM

[For90] Bengt Fornberg. An improved pseudospectral method for initial-boundary value problems. *Journal of Computational Physics*,

91(2):381–397, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090043Z.

Forest:1992:SOLa

[For92a] Étienne Forest. Sixth-order lie group integrators. *Journal of Computational Physics*, 98(2):349, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290162R.

Forest:1992:SOLb

[For92b] Étienne Forest. Sixth-order lie group integrators. *Journal of Computational Physics*, 99(2):209–213, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290203B.

Fornberg:1992:FDPa

[For92c] Bengt Fornberg. A finite difference procedure for a class of free boundary problems. *Journal of Computational Physics*, 100(2):434, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192902592.

Forner:1996:PIS

[För96] Wolfgang Förner. The properties of the iterative solution of the inverse Dyson equation for the calculation of correlation corrected band structures of polymers. *Journal of Computational Physics*, 125(2):477–487, May 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901096.

Forrey:1997:CHF

[For97] Robert C. Forrey. Computing the hypergeometric function. *Journal of Computational Physics*, 137(1):79–100, October 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197957946.

Fischer:1991:PSE

[FP91] Paul F. Fischer and Anthony T. Patera. Parallel spectral element solution of the Stokes problem. *Journal of Com-*

putational Physics, 92(2):380–421, February 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999191902168.

Freistuhler:1992:NSR

[FP92] Heinrich Freistühler and E. Bruce Pitman. A numerical study of a rotationally degenerate hyperbolic system. Part I. The Riemann problem. *Journal of Computational Physics*, 100(2):306–321, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290238T.

Finocchiaro:1998:NAE

[FPB98] Daniele Finocchiaro, Marco Pellegrini, and Paolo Bientinesi. On numerical approximation of electrostatic energy in 3D. *Journal of Computational Physics*, 146(2):707–725, November 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960806.

Frati:1993:SAA

[FPQ93] A. Frati, F. Pasquarelli, and A. Quarteroni. Spectral approximation to advection-diffusion problems by the fictitious interface method. *Journal of Computational Physics*, 107(2):201–212, August 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199918371137X.

Friedman:1990:MSP

[FPRB90] A. Friedman, S. E. Parker, S. L. Ray, and C. K. Birdsall. Multi-scale particle-in-cell plasma simulation. *Journal of Computational Physics*, 91(1):252, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090027X.

Friedman:1991:MSP

[FPRB91] A. Friedman, S. E. Parker, S. L. Ray, and C. K. Birdsall. Multi-scale particle-in-cell plasma simulation. *Journal of Computational Physics*, 96(1):54–70, September 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190265M.

Fulk:1996:ADS

[FQ96] David A. Fulk and Dennis W. Quinn. An analysis of 1-D smoothed particle hydrodynamics kernels. *Journal of Computational Physics*, 126(1):165–180, June 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919690128X`.

Fraga:1992:AMRb

[Fra92] Eric S. Fraga. An adaptive mesh refinement method for nonlinear dispersive wave equations. *Journal of Computational Physics*, 99 (2):352, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290225N`.

Frankel:1995:SSA

[Fra95] Jay I. Frankel. Several symbolic augmented Chebyshev expansions for solving the equation of radiative transfer. *Journal of Computational Physics*, 117(2):350–363, March 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710716`.

Friedman:1990:SOI

[Fri90] Alex Friedman. A second-order implicit particle mover with adjustable damping. *Journal of Computational Physics*, 90(2):292–312, October 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090168Z`.

Friedrich:1998:WEN

[Fri98] Oliver Friedrich. Weighted essentially non-oscillatory schemes for the Interpolation of mean values on unstructured grids. *Journal of Computational Physics*, 144(1):194–212, July 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959885`.

Frank:1991:COB

[FS91] Paul D. Frank and Gregory R. Shubin. A comparison of optimization-based approaches for a model computational aerodynamics design problem. *Journal of Computational Physics*, 93 (2):487, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print),

1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190203W.

Frank:1992:COB

[FS92] Paul D. Frank and Gregory R. Shubin. A comparison of optimization-based approaches for a model computational aerodynamics design problem. *Journal of Computational Physics*, 98(1):74–89, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290174W.

Frohlich:1997:AWV

[FS97] Jochen Fröhlich and Kai Schneider. An adaptive wavelet-vaguelette algorithm for the solution of PDEs. *Journal of Computational Physics*, 130(2):174–190, January 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196955734.

Ferguson:1996:CVF

[FT96] W. J. Ferguson and I. W. Turner. A control volume finite element numerical simulation of the drying of spruce. *Journal of Computational Physics*, 125(1):59–70, April 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900790.

Fujii:1995:UZM

[Fuj95] Kozo Fujii. Unified zonal method based on the fortified solution algorithm. *Journal of Computational Physics*, 118(1):92–108, April 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185710820.

Fulton:1993:SIS

[Ful93] Scott R. Fulton. A semi-implicit spectral method for the anelastic equations. *Journal of Computational Physics*, 106(2):299–305, June 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183711095.

Furihata:1999:FDS

[Fur99] Daisuke Furihata. Finite difference schemes for $\partial u \partial t = (\partial \partial x)^{\alpha} \delta G \delta u$ that inherit energy conservation or dissipation prop-

erty. *Journal of Computational Physics*, 156(1):181–205, November 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963775`.

Fabbri:1997:PFM

[FV97] M. Fabbri and V. R. Voller. The phase-field method in the sharp-interface limit: a comparison between model potentials. *Journal of Computational Physics*, 130(2):256–265, January 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955850`.

Furzeland:1990:NST

[FVZ90] R. M. Furzeland, J. G. Verwer, and P. A. Zegeling. A numerical study of three moving-grid methods for one-dimensional partial differential equations which are based on the method of lines. *Journal of Computational Physics*, 89(2):349–388, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090148T`.

Fiebig-Wittmaack:1994:PPD

[FWBS94] Melitta Fiebig-Wittmaack and Wolfgang Börsch-Supan. Positivity preserving in difference schemes for the 2D diffusive transport of atmospheric gases. *Journal of Computational Physics*, 115(2):524–529, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184712149`.

Fernando:1994:PGS

[FWWD94] G. W. Fernando, M. Weinert, R. E. Watson, and J. W. Davenport. Point group symmetries and Gaussian integration. *Journal of Computational Physics*, 112(2):282–290, June 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711004`.

Garcia-Archilla:1995:SPE

[GA95] Bosco García-Archilla. Some practical experience with the time integration of dissipative equations. *Journal of Computational Physics*, 122(1):25–29, November 1995. CODEN

JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199918571193X.

Garcia-Archilla:1996:SME

[GA96] Bosco García-Archilla. A spectral method for the equal width equation. *Journal of Computational Physics*, 125(2):395–402, May 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901011.

Garcia:1998:GCE

[GA98] Alejandro L. Garcia and Berni J. Alder. Generation of the Chapman–Enskog distribution. *Journal of Computational Physics*, 140(1):66–70, February 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198958892.

Ganguly:1993:DOM

[GACN93] K. Ganguly, E. J. Allen, E. Coskun, and S. Nielsen. On the discrete-ordinates method via Case's solution. *Journal of Computational Physics*, 107(1):66–83, July 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183711253.

Gagel:1998:FTE

[Gag98] Florian Gagel. Finite-temperature evaluation of the Fermi density operator. *Journal of Computational Physics*, 139(2):399–405, January 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919795871X.

Garba:1998:MSW

[Gar98] A. Garba. A mixed spectral/wavelet method for the solution of the Stokes problem. *Journal of Computational Physics*, 145 (1):297–315, September 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960314.

Ghizzo:1990:VCNa

[GB90] A. Ghizzo and P. Bertrand. A Vlasov code for the numerical simulation of stimulated Raman scattering. *Jour-*

nal of Computational Physics, 87(2):495, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190902686`.

Ghattas:1997:OCT

[GB97] Omar Ghattas and Jai-Hyeong Bark. Optimal control of two- and three-dimensional incompressible Navier–Stokes flows. *Journal of Computational Physics*, 136(2):231–244, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957442`.

Ganesh:1996:MLH

[GBBH96] Ram K. Ganesh, Wallace W. Bowley, Robert R. Bellantone, and Yukap Hahn. A model for laser hole drilling in metals. *Journal of Computational Physics*, 125(1):161–176, April 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900868`.

Garcia:1999:AMA

[GBCA99] Alejandro L. Garcia, John B. Bell, William Y. Crutchfield, and Berni J. Alder. Adaptive mesh and algorithm refinement using direct simulation Monte Carlo. *Journal of Computational Physics*, 154(1):134–155, September 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963052`.

Ghizzo:1992:CBE

[GBL+92] A. Ghizzo, P. Bertrand, J. Lebas, M. Shoucri, T. Johnston, E. Fijalkow, and M. R. Feix. Comparison between 1D and 11/2D Eulerian Vlasov codes for the numerical simulation of stimulated Raman scattering. *Journal of Computational Physics*, 102(2):417–422, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290383A`.

Ghizzo:1990:VCNb

[GBS+90] A. Ghizzo, P. Bertrand, M. M. Shoucri, T. W. Johnston, E. Fualkow, and M. R. Feix. A Vlasov code for the numerical simulation of stimulated Raman scattering. *Journal*

of Computational Physics, 90(2):431–457, October 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090174Y`.

Ghizzo:1993:ECS

[GBS+93] A. Ghizzo, P. Bertrand, M. Shoucri, E. Fijalkow, and M. R. Feix. An Eulerian code for the study of the drift-kinetic Vlasov equation. *Journal of Computational Physics*, 108(1):105–121, September 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711678`.

Gullingsrud:1999:RPM

[GBS99] Justin R. Gullingsrud, Rosemary Braun, and Klaus Schulten. Reconstructing potentials of mean force through time series analysis of steered molecular dynamics simulations. *Journal of Computational Physics*, 151(1):190–211, May 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962186`.

Grossman:1990:FSA

[GC90] B. Grossman and P. Cinnella. Flux-split algorithms for flows with non-equilibrium chemistry and vibrational relaxation. *Journal of Computational Physics*, 88(1):131–168, May 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090245V`.

Guo:1992:CSFb

[GC92] Ben-Yu Guo and Wei-Ming Cao. A combined spectral-finite element method for solving two-dimensional unsteady Navier–Stokes equations. *Journal of Computational Physics*, 101(2):375–385, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290015Q`.

Givoli:1995:NBC

[GC95] Dan Givoli and Dan Cohen. Nonreflecting boundary conditions based on Kirchhoff-type formulae. *Journal of Computational Physics*, 117(1):102–113, March 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999185710480.

Geisler:1990:SSS

[GCMR90] T. Geisler, P. L. Christiansen, J. Mørk, and P. S. Ramanujam. Split-step spectral method for nonlinear schrödinger equation with constant background intensities. *Journal of Computational Physics*, 86(2):492–495, February 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090111D.

Gwynllyw:1996:MSE

[GDP96] D. Rh. Gwynllyw, A. R. Davies, and T. N. Phillips. A moving spectral element approach to the dynamically loaded journal bearing problem. *Journal of Computational Physics*, 123(2):476–494, February 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900388.

Gavelek:1992:SII

[GE92] D. Gavelek and T. Erber. Shadowing and iterative interpolation for Čebyšev mixing transformations. *Journal of Computational Physics*, 101(1):25–50, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192900406.

Gonzales:1997:IEM

[GEK+97] R. A. Gonzales, J. Eisert, I. Koltracht, M. Neumann, and G. Rawitscher. Integral equation method for the continuous spectrum radial Schrödinger equation. *Journal of Computational Physics*, 134(1):134–149, June 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197956795.

Gelfgat:1999:DMR

[Gel99] Alexander Yu. Gelfgat. Different modes of Rayleigh-Bénard instability in two- and three-dimensional rectangular enclosures. *Journal of Computational Physics*, 156(2):300–324, December 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199963635.

Gardner:1990:SWR

[GG90] L. R. T. Gardner and G. A. Gardner. Solitary waves of the regularised long-wave equation. *Journal of Computational Physics*, 91(2):441–459, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190900475`.

Gardner:1992:SWE

[GG92a] L. R. T. Gardner and G. A. Gardner. Solitary waves of the equal width wave equation. *Journal of Computational Physics*, 101(1): 218–223, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192900543`.

Grinstein:1992:EVS

[GG92b] F. F. Grinstein and R. H. Guirguis. Effective viscosity in the simulation of spatially evolving shear flows with monotonic FCT models. *Journal of Computational Physics*, 101(1):165–175, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192900509`.

Gharakhani:1997:TDV

[GG97] Adrin Gharakhani and Ahmed F. Ghoniem. Three-dimensional vortex simulation of time dependent incompressible internal viscous flows. *Journal of Computational Physics*, 134(1):75–95, June 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956679`.

Gardner:1994:BFM

[GGG94] L. R. T. Gardner, G. A. Gardner, and T. Geyikli. The boundary forced MKdV equation. *Journal of Computational Physics*, 113 (1):5–12, July 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711132`.

Goodrich:1990:HBD

[GGH90] John W. Goodrich, Karl Gustafson, and Kadosa Halasi. Hopf bifurcation in the driven cavity. *Journal of Computational Physics*, 90(1):219–261, September 1990. CODEN

JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090204E.

Goel:1995:EFIa

[GGK95] Narenda S. Goel, Fengshi Gang, and Zhonglin Ko. Electrostatic field in inhomogeneous dielectric media I. Indirect boundary element method. *Journal of Computational Physics*, 118(1):172–179, April 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185710881.

Greenbaum:1993:LED

[GGM93] A. Greenbaum, L. Greengard, and G. B. McFadden. Laplace's equation and the Dirichlet–Neumann map in multiply connected domains. *Journal of Computational Physics*, 105(2):267–278, April 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183710739.

Gelb:1997:WSR

[GGP97] Anne Gelb, David Gottlieb, and Nathan Paldor. Wind set-down relaxation on a sloping beach. *Journal of Computational Physics*, 138(2):644–664, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919795837X.

Gardner:1993:CEP

[GGZ93] L. R. T. Gardner, G. A. Gardner, and S. I. Zaki. Collisional effects in plasmas modelled by a simplified Fokker–Planck equation. *Journal of Computational Physics*, 107(1):40–50, July 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199918371123X.

Gibbons:1995:DDI

[GH95] Matthew R. Gibbons and Dennis W. Hewett. The Darwin direct implicit particle-in-cell (DADIPIC) method for simulation of low frequency plasma phenomena. *Journal of Computational Physics*, 120(2):231–247, September 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185711606.

Gibbons:1997:CDD

[GH97] Matthew R. Gibbons and Dennis W. Hewett. Characterization of the Darwin direct implicit particle-in-cell method and resulting guidelines for operation. *Journal of Computational Physics*, 130(1):54–66, January 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196954753`.

Guevremont:1993:FES

[GHKH93] G. Guevremont, W. G. Habashi, P. L. Kotiuga, and M. M. Hafez. Finite element solution of the 3D compressible Navier–Stokes equations by a velocity-vorticity method. *Journal of Computational Physics*, 107(1):176–187, July 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711344`.

Ghosal:1996:ANE

[Gho96] Sandip Ghosal. An analysis of numerical errors in large-eddy simulations of turbulence. *Journal of Computational Physics*, 125(1): 187–206, April 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900881`.

Goldstein:1993:MNS

[GHS93a] D. Goldstein, R. Handler, and L. Sirovich. Modeling a no-slip flow boundary with an external force field. *Journal of Computational Physics*, 105(2):354–366, April 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710818`.

Guermond:1993:SEV

[GHS93b] J.-L. Guermond, S. Huberson, and W.-Z. Shen. Simulation of 2D external viscous flows by means of a domain decomposition method. *Journal of Computational Physics*, 108(2):343–352, October 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711873`.

Giles:1997:SAG

[Gil97] M. B. Giles. Stability analysis of a Galerkin/Runge–Kutta Navier–Stokes discretisation on unstructured tetrahedral grids. *Journal of Computational Physics*, 132(2):201–214, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956168`.

Giraldo:1997:LGM

[Gir97] Francis X. Giraldo. Lagrange–Galerkin methods on spherical geodesic grids. *Journal of Computational Physics*, 136 (1):197–213, September 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957715`.

Giraldo:1998:LGS

[Gir98] Francis X. Giraldo. The Lagrange–Galerkin spectral element method on unstructured quadrilateral grids. *Journal of Computational Physics*, 147(1):114–146, November 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960788`.

Givoli:1990:NRB

[Giv90] Dan Givoli. Non-reflecting boundary conditions: a review. *Journal of Computational Physics*, 90(1):270, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090219Q`.

Givoli:1991:NRB

[Giv91] Dan Givoli. Non-reflecting boundary conditions. *Journal of Computational Physics*, 94(1):1–29, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191901358`.

Giannakouros:1994:SEF

[GK94] John Giannakouros and George Em Karniadakis. A spectral element-FCT method for the compressible Euler equations. *Journal of Computational Physics*, 115(1):65–85, November 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716

(electronic). URL http://www.sciencedirect.com/science/article/pii/S002199918471179X.

Grote:1995:NBC

[GK95] Marcus J. Grote and Joseph B. Keller. On nonreflecting boundary conditions. *Journal of Computational Physics*, 122(2):231–243, December 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185712107.

Grote:1996:NBC

[GK96] Marcus J. Grote and Joseph B. Keller. Nonreflecting boundary conditions for time-dependent scattering. *Journal of Computational Physics*, 127(1):52–65, August 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901576.

Grote:1998:NBC

[GK98] Marcus J. Grote and Joseph B. Keller. Nonreflecting boundary conditions for Maxwell's equations. *Journal of Computational Physics*, 139(2):327–342, January 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197958812.

Glikman:1996:OAM

[GKDT96] E. Glikman, I. Kelson, N. V. Doan, and H. Tietze. An optimized algorithm for molecular dynamics simulation of large-scale systems. *Journal of Computational Physics*, 124(1):85–92, March 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900467.

Goel:1995:EFIb

[GKG95] Narendra S. Goel, Zhonglin Ko, and Fengshi Gang. Electrostatic field in inhomogeneous dielectric media II. Volume element method. *Journal of Computational Physics*, 118(1):180–188, April 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185710893.

Gonzales:1999:IEM

[GKKR99] R. A. Gonzales, S.-Y. Kang, I. Koltracht, and G. Rawitscher. Integral equation method for coupled Schrödinger equations. *Journal of Computational Physics*, 153(1):160–202, July 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962721`.

Gropp:1996:NSV

[GKL+96] William D. Gropp, Hans G. Kaper, Gary K. Leaf, David M. Levine, Mario Palumbo, and Valerii M. Vinokur. Numerical simulation of vortex dynamics in type-II superconductors. *Journal of Computational Physics*, 123(2):254–266, February 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900224`.

Greengard:1996:IEM

[GKM96] Leslie Greengard, Mary Catherine Kropinski, and Anita Mayo. Integral equation methods for Stokes flow and isotropic elasticity in the plane. *Journal of Computational Physics*, 125(2):403–414, May 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901023`.

Gupta:1997:CMS

[GKZ97a] Murli M. Gupta, Jules Kouatchou, and Jun Zhang. A compact multigrid solver for convection-diffusion equations. *Journal of Computational Physics*, 132(1):123–129, March 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956272`.

Gupta:1997:CSF

[GKZ97b] Murli M. Gupta, Jules Kouatchou, and Jun Zhang. Comparison of second- and fourth-order discretizations for multigrid Poisson solvers. *Journal of Computational Physics*, 132(2):226–232, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196954662`.

Ghattas:1995:VFE

[GL95] Omar Ghattas and Xiaogang Li. A variational finite element method for stationary nonlinear fluid-solid interaction. *Journal of Computational Physics*, 121(2):347–356, October 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919590204X`.

Greengard:1996:DAP

[GL96] Leslie Greengard and June-Yub Lee. A direct adaptive Poisson solver of arbitrary order accuracy. *Journal of Computational Physics*, 125(2):415–424, May 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901035`.

Glaister:1991:RSB

[Gla91] P. Glaister. A Riemann solver for "barotropic" row. *Journal of Computational Physics*, 93(2):477–480, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190196R`.

Glassey:1992:ASZb

[Gla92a] R. T. Glassey. Approximate solutions to the Zakharov equations via finite differences. *Journal of Computational Physics*, 99(2): 351, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290219O`.

Glassey:1992:ASZa

[Gla92b] R. T. Glassey. Approximate solutions to the Zakharov equations via finite differences. *Journal of Computational Physics*, 100(2): 377–383, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290243R`.

Glaister:1995:WFR

[Gla95] P. Glaister. A weak formulation of Roe's approximate Riemann solver applied to the St. Venant equations. *Journal of Computational Physics*, 116(1):189–191, January 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999185710182.

Garbet:1990:VCE

[GLM+90] X. Garbet, L. Laurent, F. Mourgues, J. P. Roubin, and A. Samain. Variational calculation of electromagnetic instabilities in tokamaks. *Journal of Computational Physics*, 87(2):249–269, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090253W.

Gueyffier:1999:VFI

[GLN+99] Denis Gueyffier, Jie Li, Ali Nadim, Ruben Scardovelli, and Stéphane Zaleski. Volume-of-fluid interface tracking with smoothed surface stress methods for three-dimensional flows. *Journal of Computational Physics*, 152(2):423–456, July 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919896168X.

Glowinski:1992:EWP

[Glo92] R. Glowinski. Ensuring well-posedness by analogy: Stokes problem and boundary control for the wave equation. *Journal of Computational Physics*, 103(2):189–221, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290396G.

Granek:1992:SAN

[GM92] Henry Granek and Bruce H. J. McKellar. Stability analysis of a non-linear diffusion-type kinetic equation. *Journal of Computational Physics*, 100(2):253–269, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290233O.

Ghosal:1995:BEL

[GM95a] S. Ghosal and P. Moin. The basic equations for the large eddy simulation of turbulent flows in complex geometry. *Journal of Computational Physics*, 118(1):24–37, April 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185710777.

Gray:1995:NIA

[GM95b] David B. Gray and George A. McMechan. Numerical investigation of an analytic solution of a multi-dimensional Lippman–Schwinger seismic inverse problem. *Journal of Computational Physics*, 119(1):195–205, June 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711278`.

Giraud:1996:PIE

[GM96] L. Giraud and G. Manzini. Parallel implementations of 2D explicit Euler solvers. *Journal of Computational Physics*, 123(1):111–118, January 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900091`.

Greenbaum:1998:RPE

[GM98] A. Greenbaum and A. Mayo. Rapid parallel evaluation of integrals in potential theory on general three-dimensional regions. *Journal of Computational Physics*, 145(2):731–742, September 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919896048X`.

Guo:1992:FCS

[GMCH92] Ben-Yu Guo, He-Ping Ma, Wei-Ming Cao, and Hui Huang. The Fourier–Chebyshev spectral method for solving two-dimensional unsteady vorticity equations. *Journal of Computational Physics*, 101(1):207–217, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192900532`.

Georghiou:1999:IFE

[GMM99] G. E. Georghiou, R. Morrow, and A. C. Metaxas. An improved finite-element flux-corrected transport algorithm. *Journal of Computational Physics*, 148(2):605–620, January 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961320`.

Guillard:1992:ASMa

[GMP92a] H. Guillard, J. M. Male, and R. Peyret. Adaptive spectral methods with application to mixing layer computations. *Journal of Computational Physics*, 100(2):435, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192902684`.

Guillard:1992:ASMb

[GMP92b] H. Guillard, J. M. Malé, and R. Peyret. Adaptive spectral methods with application to mixing layer computations. *Journal of Computational Physics*, 102(1):114–127, September 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999105800105`.

Guo:1996:NSM

[GMPGV96] Ben-Yu Guo, I. Martín, Victor M. Pérez-García, and Luis Vázquez. Numerical solutions of the Maxwell–Bloch laser equations. *Journal of Computational Physics*, 129(1):181–189, November 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902429`.

Garnier:1999:USC

[GMS+99] Eric Garnier, Michele Mossi, Pierre Sagaut, Pierre Comte, and Michel Deville. On the use of shock-capturing schemes for large-eddy simulation. *Journal of Computational Physics*, 153(2):273–311, August 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919996268X`.

Giannattasio:1996:OVC

[GN96] P. Giannattasio and M. Napolitano. Optimal vorticity conditions for the node-centred finite-difference discretization of the second-order vorticity-velocity equations. *Journal of Computational Physics*, 127(1):208–217, August 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901692`.

Green:1996:SDA

[GNH96] Lawrence L. Green, Perry A. Newman, and Kara J. Haigler. Sensitivity derivatives for advanced CFD algorithm and viscous modeling parameters via automatic differentiation. *Journal of Computational Physics*, 125(2):313–324, May 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900960`.

Garcia-Navarro:1995:GMU

[GNHP95] P. Garcia-Navarro, M. E. Hubbard, and A. Priestley. Genuinely multidimensional upwinding for the 2D shallow water equations. *Journal of Computational Physics*, 121(1):79–93, October 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711801`.

Gustafsson:1995:FOD

[GO95] Bertil Gustafsson and Pelle Olsson. Fourth-order difference methods for hyperbolic IBVPs. *Journal of Computational Physics*, 117(2):300–317, March 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710686`.

Gerritsen:1996:DES

[GO96] Margot Gerritsen and Pelle Olsson. Designing an efficient solution strategy for fluid flows: 1. A stable high order finite difference scheme and sharp shock resolution for the Euler equations. *Journal of Computational Physics*, 129(2):245–262, December 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919690248X`.

Gerritsen:1998:DES

[GO98] Margot Gerritsen and Pelle Olsson. Designing an efficient solution strategy for fluid flows: II. Stable high-order central finite difference schemes on composite adaptive grids with sharp shock resolution. *Journal of Computational Physics*, 147(2):293–317, December 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960569`.

Guseinov:1995:CCG

[GÖAY95] I. I. Guseinov, A. Özmen, Ü. Atav, and H. Yüksel. Computation of Clebsch–Gordan and Gaunt coefficients using binomial coefficients. *Journal of Computational Physics*, 122(2):343–347, December 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918571220X`.

Godunov:1999:RAD

[God99] Sergei Konstantinovich Godunov. Reminiscences about difference schemes. *Journal of Computational Physics*, 153(1):6–25, July 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919996271X`. See introduction [Van99].

Goedecker:1995:LCA

[Goe95] S. Goedecker. Low complexity algorithms for electronic structure calculations. *Journal of Computational Physics*, 118(2):261–268, May 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710972`.

Goto:1992:ESCb

[Got92] E. Goto. Extrapolated surface charge method for capacity calculation of polygons and polyhedra. *Journal of Computational Physics*, 99(1):182, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290304H`.

Gottelmann:1999:SCS

[Göt99] Jochen Göttelmann. A spline collocation scheme for the spherical shallow water equations. *Journal of Computational Physics*, 148(1):291–298, January 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961113`.

Gousheh:1996:EAS

[Gou96a] Siamak S. Gousheh. An efficient algorithm for solving coupled Schrödinger type ODE's, whose potentials include δ-functions. *Journal of Computational Physics*, 123(1):162–168, January

1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900133.

Goussis:1996:CUR

[Gou96b] D. A. Goussis. On the construction and use of reduced chemical kinetic mechanisms produced on the basis of given algebraic relations. *Journal of Computational Physics*, 128(2):261–273, October 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196902090.

Gambolati:1998:CSN

[GP98a] Giuseppe Gambolati and Giorgio Pini. Complex solution to nonideal contaminant transport through porous media. *Journal of Computational Physics*, 145(2):538–554, September 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960387.

Givoli:1998:FES

[GP98b] Dan Givoli and Igor Patlashenko. Finite-element solution of nonlinear time-dependent exterior wave problems. *Journal of Computational Physics*, 143(1):241–258, June 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198999995.

Glowinski:1996:WFE

[GPWZ96] Roland Glowinski, T. W. Pan, Raymond O. Wells, Jr., and Xiaodong Zhou. Wavelet and finite element solutions for the Neumann problem using fictitious domains. *Journal of Computational Physics*, 126(1):40–51, June 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901187.

Guermond:1997:CIV

[GQ97] J.-L. Guermond and L. Quartapelle. Calculation of incompressible viscous flows by an unconditionally stable projection FEM. *Journal of Computational Physics*, 132(1):12–33, March 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196955874.

Greengard:1997:FAP

[GR97] L. Greengard and V. Rokhlin. A fast algorithm for particle simulations. *Journal of Computational Physics*, 135(2):280–292, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957065`.

Grandjouan:1990:MEA

[Gra90] N. Grandjouan. The modified equation approach to flux-corrected transport. *Journal of Computational Physics*, 91 (2):424–440, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190900464`.

Graziani:1995:PFA

[Gra95] Frank R. Graziani. The product formula algorithm applied to linear and radiation diffusion. *Journal of Computational Physics*, 118(1):9–23, April 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710765`.

Grandy:1999:CRR

[Gra99] Jeffrey Grandy. Conservative remapping and region overlays by intersecting arbitrary polyhedra. *Journal of Computational Physics*, 148(2):433–466, January 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961253`.

Ghizzo:1995:EVH

[GRB+95] A. Ghizzo, T. Réveillé, P. Bertrand, T. W. Johnston, J. Lebas, and M. Shoucri. An Eulerian Vlasov–Hilbert code for the numerical simulation of the interaction of high-frequency electromagnetic waves with plasma. *Journal of Computational Physics*, 118(2):356–365, May 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711059`.

Greenspan:1990:CUE

[Gre90] Donald Greenspan. A counterexample of the use of energy as a measure of computational accuracy. *Journal of Computational Physics*, 91(2):490–494, December 1990. CODEN

JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190900512.

Greene:1991:LTD

[Gre91] John M. Greene. Locating three-dimensional roots by a bisection method. *Journal of Computational Physics*, 94(1):253, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190155E.

Greene:1992:LTDa

[Gre92a] John M. Greene. Locating three-dimensional roots by a bisection method. *Journal of Computational Physics*, 98(1):178, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192901863.

Greene:1992:LTDb

[Gre92b] John M. Greene. Locating three-dimensional roots by a bisection method. *Journal of Computational Physics*, 98(2):194–198, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290137N.

Greer:1994:ATE

[Gre94] J. C. Greer. An approximate time evolution operator to generate the Verlet algorithm. *Journal of Computational Physics*, 115(1):245–247, November 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711909.

Greer:1998:MCC

[Gre98] J. C. Greer. Monte Carlo configuration interaction. *Journal of Computational Physics*, 146(1):181–202, October 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959538.

Grinstein:1994:OBC

[Gri94] Fernando F. Grinstein. Open boundary conditions in the simulation of subsonic turbulent shear flows. *Journal of Computational Physics*, 115(1):43–55, November 1994. CODEN

JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711776.

Grossman:1991:EST

[Gro91] C. Grossman. Enclosures of the solution of the Thomas–Fermi equations by monotone discretization. *Journal of Computational Physics*, 93(1):252, March 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999191900883.

Grossmann:1992:EST

[Gro92] C. Grossmann. Enclosures of the solution of the Thomas–Fermi equation by monotone discretization. *Journal of Computational Physics*, 98(1):26–32, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192901704.

Guj:1993:VVM

[GS93] G. Guj and F. Stella. A vorticity-velocity method for the numerical solution of 3D incompressible flows. *Journal of Computational Physics*, 106(2):286–298, June 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183711083.

Gomez:1994:GSS

[GS94] F. J. Gomez and J. Sesma. Global solutions of the Schrödinger equation with Coulomb plus linear potential. *Journal of Computational Physics*, 115(2):296–301, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711971.

Gill:1995:CMM

[GS95] Andrew W. Gill and G. E. Sneddon. Complex mapped matrix methods in hydrodynamic stability problems. *Journal of Computational Physics*, 122(1):13–24, November 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185711928.

Gill:1996:PMC

[GS96a] Andrew W. Gill and G. E. Sneddon. Pseudospectral methods and composite complex maps for near-boundary critical points. *Journal of Computational Physics*, 129(1):1–7, November 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902296`.

Gueron:1996:SIM

[GS96b] Shay Gueron and David Shalloway. Spatial Interpolation methods for integrating Newton's equation. *Journal of Computational Physics*, 129(1):87–100, November 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902351`.

Gaitonde:1997:OCD

[GS97a] Datta Gaitonde and J. S. Shang. Optimized compact-difference-based finite-volume schemes for linear wave phenomena. *Journal of Computational Physics*, 138(2):617–643, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958368`.

Gutfraind:1997:SPH

[GS97b] Ricardo Gutfraind and Stuart B. Savage. Smoothed particle hydrodynamics for the simulation of broken-ice fields: Mohr–Coulomb-type rheology and frictional boundary conditions. *Journal of Computational Physics*, 134(2):203–215, July 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956813`.

Ghizzo:1993:TTP

[GSB+93] A. Ghizzo, M. Shoucri, P. Bertrand, T. Johnston, and J. Lebas. Trajectories of trapped particles in the field of a plasma wave excited by a stimulated Raman scattering. *Journal of Computational Physics*, 108(2):373–376, October 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711915`.

Gerlinger:1998:IMM

[GSB98] P. Gerlinger, P. Stoll, and D. Brüggemann. An implicit multigrid method for the simulation of chemically reacting flows. *Journal of Computational Physics*, 146(1):322–345, October 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960612`.

Goto:1992:ESCa

[GSY92] E. Goto, Y. Shi, and N. Yoshida. Extrapolated surface charge method for capacity calculation of polygons and polyhedra. *Journal of Computational Physics*, 100(1):105–115, May 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290313N`.

Garaizar:1997:FTS

[GT97] F. Xabier Garaizar and John Trangenstein. Front tracking for shear bands in an antiplane shear model. *Journal of Computational Physics*, 131(1):54–69, February 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919695456X`.

Gottlieb:1999:AEA

[GTA99] D. Gottlieb, E. Turkel, and S. Abarbanel. Analysis of the error for approximations to systems of hyperbolic equations. *Journal of Computational Physics*, 151(2):997–1007, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919996196X`.

Garbey:1998:NPS

[GTD98] M. Garbey and D. Tromeur-Dervout. A new parallel solver for the nonperiodic incompressible Navier–Stokes equations with a Fourier method: Application to frontal polymerization. *Journal of Computational Physics*, 145(1):316–331, September 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919896017X`.

Gueron:1994:MFC

[Gue94] Shay Gueron. Methods for fast computation of integral transforms. *Journal of Computational Physics*, 110(1):164–170, Jan-

uary 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184710126.

Gupta:1990:HAS

[Gup90] Murli M. Gupta. High accuracy solutions of incompressible Navier–Stokes equations. *Journal of Computational Physics*, 89(2):488–489, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090157V.

Gupta:1991:HAS

[Gup91] Murli M. Gupta. High accuracy solutions of incompressible Navier–Stokes equations. *Journal of Computational Physics*, 93(2):343–359, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190188Q.

Gressier:1999:PFV

[GVM99] Jérémie Gressier, Philippe Villedieu, and Jean-Marc Moschetta. Positivity of flux vector splitting schemes. *Journal of Computational Physics*, 155(1):199–220, October 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199963374.

Gomez:1992:ESF

[GWI92] R. Gómez, J. Winicour, and R. Isaacson. Evolution of scalar fields from characteristic data. *Journal of Computational Physics*, 98(1):11–25, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290169Y.

Gong-Yan:1991:FMS

[GY91] Lei Gong-Yan. A family of methods for the solution of lattice models. *Journal of Computational Physics*, 92(1):106–141, January 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190294U.

Guo:1995:OBC

[GZ95] Dong-Jian Guo and Qing-Cun Zeng. Open boundary conditions for a numerical shelf sea model. *Journal of Com-*

putational Physics, 116(1):97–102, January 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918571008X`.

Herbst:1993:NCS

[HA93] B. M. Herbst and Mark J. Ablowitz. Numerical chaos, symplectic integrators, and exponentially small splitting distances. *Journal of Computational Physics*, 105(1):122–132, March 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710582`.

Hirt:1997:ALE

[HAC97] C. W. Hirt, A. A. Amsden, and J. L. Cook. An arbitrary Lagrangian–Eulerian computing method for all flow speeds. *Journal of Computational Physics*, 135(2):203–216, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957028`.

Hadjiconstantinou:1999:HAC

[Had99] Nicolas G. Hadjiconstantinou. Hybrid atomistic-continuum formulations and the moving contact-line problem. *Journal of Computational Physics*, 154(2):245–265, September 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963027`.

Hagmeijer:1994:GAB

[Hag94] R. Hagmeijer. Grid adaption based on modified anisotropic diffusion equations formulated in the parametric domain. *Journal of Computational Physics*, 115(1):169–183, November 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711855`.

Hager:1998:DML

[Hag98] William W. Hager. A discrete model for the lightning discharge. *Journal of Computational Physics*, 144(1):137–150, July 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919895985X`.

Hall:1990:CFSa

[Hal90a] M. S. Hall. A comparison of first- and second-order rezoned and Lagrangian Godunov solutions. *Journal of Computational Physics*, 87(2):496, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190902712`.

Hall:1990:CFSb

[Hal90b] M. S. Hall. A comparison of first and second order rezoned and Lagrangian Godunov solutions. *Journal of Computational Physics*, 90(2):458–485, October 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090175Z`.

Hallberg:1997:SST

[Hal97] Robert Hallberg. Stable split time stepping schemes for large-scale ocean modeling. *Journal of Computational Physics*, 135(1): 54–65, July 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919795734X`.

Hanley:1993:SES

[Han93a] Patrick Hanley. A strategy for the efficient simulation of viscous compressible flows using a multi-domain pseudospectral method. *Journal of Computational Physics*, 108(1):153–158, September 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711708`.

Hansbo:1993:ESD

[Han93b] Peter Hansbo. Explicit streamline diffusion finite element methods for the compressible Euler equations in conservation variables. *Journal of Computational Physics*, 109(2):274–288, December 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183712179`.

Harabetian:1992:SRMa

[Har92a] Eduard Harabetian. A subcell resolution method for viscous systems of conservation laws. *Journal of Computational Physics*, 101 (1):228, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print),

1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192900613.

Harabetian:1992:SRMb

[Har92b] Eduard Harabetian. A subcell resolution method for viscous systems of conservation laws. *Journal of Computational Physics*, 103(2):350–358, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290406O.

Harten:1994:AMS

[Har94] Ami Harten. Adaptive multiresolution schemes for shock computations. *Journal of Computational Physics*, 115(2):319–338, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711995.

Harten:1997:HRS

[Har97] Ami Harten. High resolution schemes for hyperbolic conservation laws. *Journal of Computational Physics*, 135(2):260–278, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197957132.

Hirshman:1990:PDA

[HB90a] S. P. Hirshman and O. Betancourt. Preconditioned descent algorithm for rapid calculations of magnetohydrodynamic equilibria. *Journal of Computational Physics*, 91(1):249, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090017U.

Huizing:1990:SFI

[HB90b] A. J. Huizing and B. L. G. Bakker. The solution of Faddeev integral equations for three-body scattering by means of B-splines. *Journal of Computational Physics*, 90(1):200–218, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090203D.

Hirshman:1991:PDA

[HB91] S. P. Hirshman and O. Betancourt. Preconditioned descent algorithm for rapid calculations of magnetohydrodynamic equilibria. *Journal of Computational Physics*, 96(1):99–109, September 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190267O`.

Heemink:1995:RWM

[HB95] Arnold W. Heemink and Pieter A. Blokland. On random walk models with space varying diffusivity. *Journal of Computational Physics*, 119(2):388–389, July 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711436`.

Higdon:1996:SAO

[HB96] Robert L. Higdon and Andrew F. Bennett. Stability analysis of operator splitting for large-scale ocean modeling. *Journal of Computational Physics*, 123(2):311–329, February 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900261`.

Hubbard:1997:CMU

[HB97] M. E. Hubbard and M. J. Baines. Conservative multidimensional upwinding for the steady two-dimensional shallow water equations. *Journal of Computational Physics*, 138(2):419–448, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919795823X`.

Hansson:1993:TMS

[HBF93] L. Cruzeiro Hansson, J. O. Baum, and J. L. Finney. Two modified staging algorithms for path integral Monte Carlo simulations. *Journal of Computational Physics*, 104(1):110–117, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710132`.

Husain:1993:NSV

[HC93] I. Husain and O. P. Chandna. Numerical simulation of viscoelastic fluid flow past a cylinder on a streamfunction coordinate sys-

tem. *Journal of Computational Physics*, 108(2):226–235, October 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711782`.

Hahn:1997:USJ

[HC97] Seonghyeon Hahn and Haecheon Choi. Unsteady simulation of jets in a cross flow. *Journal of Computational Physics*, 134(2):342–356, July 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957120`.

Haddad:1991:VSP

[HCC91] B. Haddad, F. Clausset, and F. Combes. Vectorising the smooth particle hydrodynamics. *Journal of Computational Physics*, 97(1):103–126, November 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190041I`.

He:1998:NTM

[HCD98] Xiaoyi He, Shiyi Chen, and Gary D. Doolen. A novel thermal model for the lattice Boltzmann method in incompressible limit. *Journal of Computational Physics*, 146(1):282–300, October 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960570`.

Harley:1992:CRMa

[HCJ92a] T. R. Harley, C. Z. Cheng, and S. C. Jardin. The computation of resistive MHD instabilities in axisymmetric toroidal plasmas. *Journal of Computational Physics*, 101(2):452, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290022Q`.

Harley:1992:CRMb

[HCJ92b] T. R. Harley, C. Z. Cheng, and S. C. Jardin. The computation of resistive MHD instabilities in axisymmetric toroidal plasmas. *Journal of Computational Physics*, 103(1):43–62, November 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290325S`.

Hunter:1993:URW

[HCP93] J. R. Hunter, P. D. Craig, and H. E. Phillips. On the use of random walk models with spatially variable diffusivity. *Journal of Computational Physics*, 106(2):366–376, June 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711149`.

He:1999:LBS

[HCZ99] Xiaoyi He, Shiyi Chen, and Raoyang Zhang. A lattice Boltzmann scheme for incompressible multiphase flow and its application in simulation of Rayleigh–Taylor instability. *Journal of Computational Physics*, 152(2):642–663, July 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962575`.

He:1997:LBM

[HD97] Xiaoyi He and Gary Doolen. Lattice Boltzmann method on curvilinear coordinates system: Flow around a circular cylinder. *Journal of Computational Physics*, 134(2):306–315, July 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957090`.

Hesthaven:1999:SCT

[HDL99] J. S. Hesthaven, P. G. Dinesen, and J. P. Lynov. Spectral collocation time-domain modeling of diffractive optical elements. *Journal of Computational Physics*, 155(2):287–306, November 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963337`.

Higdon:1997:BBT

[HdS97] Robert L. Higdon and Roland A. de Szoeke. Barotropic-baroclinic time splitting for ocean circulation modeling. *Journal of Computational Physics*, 135(1):30–53, July 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957338`.

Heinrichs:1992:SMM

[Hei92] Wilhelm Heinrichs. A spectral multigrid method for the Stokes problem in streamfunction formulation. *Journal of*

Computational Physics, 102(2):310–318, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192903748`.

Heinrichs:1993:SMM

[Hei93] Wilhelm Heinrichs. Spectral multigrid methods for the reformulated Stokes equations. *Journal of Computational Physics*, 107(2):213–224, August 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711381`.

Heinrichs:1998:SCT

[Hei98] Wilhelm Heinrichs. Spectral collocation on triangular elements. *Journal of Computational Physics*, 145(2):743–757, September 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960521`.

Helsing:1995:EEP

[Hel95] Johan Helsing. Estimating effective properties of composites from cross-sectional photographs. *Journal of Computational Physics*, 117(2):281–288, March 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710662`.

Helsing:1996:TBI

[Hel96] Johan Helsing. Thin bridges in isotropic electrostatics. *Journal of Computational Physics*, 127(1):142–151, August 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901643`.

Henshaw:1994:FOA

[Hen94] William D. Henshaw. A fourth-order accurate method for the incompressible Navier–Stokes equations on overlapping grids. *Journal of Computational Physics*, 113(1):13–25, July 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711144`.

Harten:1997:UHO

[HEOC97] Ami Harten, Bjorn Engquist, Stanley Osher, and Sukumar R. Chakravarthy. Uniformly high order accurate essentially non-oscillatory schemes, III. *Journal of Computational Physics*, 131(1):3–47, February 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956326`.

Hernquist:1990:VTT

[Her90] Lars Hernquist. Vectorization of tree traversals. *Journal of Computational Physics*, 87(1):137–147, March 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090230X`.

Hermeline:1993:TCP

[Her93] F. Hermeline. Two coupled particle-finite volume methods using Delaunay–Voronoĭ meshes for the approximation of Vlasov–Poisson and Vlasov–Maxwell equations. *Journal of Computational Physics*, 106(1):1–18, May 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710867`.

Hesthaven:1998:ACP

[Hes98] J. S. Hesthaven. On the analysis and construction of perfectly matched layers for the linearized Euler equations. *Journal of Computational Physics*, 142(1):129–147, May 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959381`.

Hewett:1997:ECB

[Hew97] Dennis W. Hewett. The embedded curved boundary method for orthogonal simulation meshes. *Journal of Computational Physics*, 138(2):585–616, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958356`.

Hamed:1998:NSU

[HF98] M. S. Hamed and J. M. Floryan. Numerical simulation of unsteady nonisothermal capillary interfaces. *Journal of Com-*

putational Physics, 145(1):110–140, September 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960235`.

Helton:1991:NTO

[HG91] F. J. Helton and J. M. Greene. A numerical technique for obtaining the complete bifurcated equilibrium solution space for a Tokamak. *Journal of Computational Physics*, 93(2):487, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190204X`.

Helton:1992:NTO

[HG92] F. J. Helton and J. M. Greene. A numerical technique for obtaining the complete bifurcated equilibrium solution space for a tokamak. *Journal of Computational Physics*, 98(1):101–107, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290176Y`.

Halpern:1994:BEA

[HG94] D. Halpern and D. P. Gaver III. Boundary element analysis of the time-dependent motion of a semi-infinite bubble in a channel. *Journal of Computational Physics*, 115(2):366–375, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184712022`.

Horno:1995:NMS

[HGFH95] J. Horno, C. F. González-Fernández, and A. Hayas. The network method for solutions of oscillating reaction-diffusion systems. *Journal of Computational Physics*, 118(2):310–319, May 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711011`.

Hawken:1990:RSA

[HGH90] D. F. Hawken, J. J. Gottlieb, and J. S. Hansen. Review of some adaptive node-movement techniques in finite-element and finite-difference solutions of partial differential equations. *Journal of Computational Physics*, 91(1):249, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/002199919090016T.

Hawken:1991:RSA

[HGH91] D. F. Hawken, J. J. Gottlieb, and J. S. Hansen. Review of some adaptive node-movement techniques in finite-element and finite-difference solutions of partial differential equations. *Journal of Computational Physics*, 95(2):254–302, August 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190277R.

Hofmann:1998:RFR

[HH98] Lorenz M. Hofmann and Thorwald Herbert. Reproducing the flow response to actuator motion. *Journal of Computational Physics*, 142(1):264–268, May 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959459.

Hannappel:1995:CET

[HHF95] Ralf Hannappel, Thomas Hauser, and Rainer Friedrich. A comparison of ENO and TVD schemes for the computation of shock-turbulence interaction. *Journal of Computational Physics*, 121(1):176–184, October 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185711874.

Hayase:1991:CFQ

[HHG91] T. Hayase, J. A. C. Humphrey, and R. Greif. A consistently formulated quick scheme for fast and stable convergence using finite-volume iterative calculation procedures. *Journal of Computational Physics*, 94(1):252, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190151A.

Hayase:1992:CFQ

[HHG92] T. Hayase, J. A. C. Humphrey, and R. Greif. A consistently formulated QUICK scheme for fast and stable convergence using finite-volume iterative calculation procedures. *Journal of Computational Physics*, 98(1):108–118, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/002199919290177Z.

Hu:1996:LDL

[HHM96] F. Q. Hu, M. Y. Hussaini, and J. L. Manthey. Low-dissipation and low-dispersion Runge–Kutta schemes for computational acoustics. *Journal of Computational Physics*, 124(1):177–191, March 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900522.

Hu:1999:ADG

[HHR99] Fang Q. Hu, M. Y. Hussaini, and Patrick Rasetarinera. An analysis of the discontinuous Galerkin method for wave propagation problems. *Journal of Computational Physics*, 151(2):921–946, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199962277.

Horiuti:1998:TEA

[HI98] Kiyosi Horiuti and Takao Itami. Truncation error analysis of the rotational form for the convective terms in the Navier–Stokes equation. *Journal of Computational Physics*, 145(2):671–692, September 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960508.

Higdon:1992:ABCa

[Hig92a] Robert L. Higdon. Absorbing boundary conditions for acoustic and elastic waves in stratified media. *Journal of Computational Physics*, 100(2):433–434, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290255W.

Higdon:1992:ABCb

[Hig92b] Robert L. Higdon. Absorbing boundary conditions for acoustic and elastic waves in stratified media. *Journal of Computational Physics*, 101(2):386–418, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290016R.

Higdon:1999:IBB

[Hig99] Robert L. Higdon. Implementation of a barotropic-baroclinic time splitting for isopycnic coordinate ocean modeling. *Journal of Computational Physics*, 148(2):579–604, January 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961307`.

Hillion:1997:BMD

[Hil97] Pierre Hillion. Beware of Maxwell's divergence equations. *Journal of Computational Physics*, 132(1):154–155, March 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956296`.

Hirsch:1997:ITU

[Hir97] Ch. Hirsch. Introduction to "Towards the Ultimate Conservative Difference Scheme. V. A Second-Order Sequel to Godunov's Method". *Journal of Computational Physics*, 135(2):227–228, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957570`.

Han:1995:BEM

[HIY95] H. Han, D. B. Ingham, and Y. Yuan. The boundary element method for the solution of the backward heat conduction equation. *Journal of Computational Physics*, 116(2):292–299, February 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710285`.

Hesthaven:1998:WOA

[HJ98] J. S. Hesthaven and L. M. Jameson. A wavelet optimized adaptive multi-domain method. *Journal of Computational Physics*, 145(1):280–296, September 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960120`.

Herman:1992:NIP

[HK92] R. L. Herman and C. J. Knickerbocker. Numerically induced phase shift in the KdV soliton. *Journal of Computational Physics*, 101(2):453, August 1992. CODEN JCTPAH. ISSN

0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290032T.

Herman:1993:NIP

[HK93a] R. L. Herman and C. J. Knickerbocker. Numerically induced phase shift in the KdV soliton. *Journal of Computational Physics*, 104(1):50–55, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183710065.

Hughes:1993:EGD

[HK93b] S. R. Hughes and Uzi Kaldor. On the easy generation of the diagrams representing the coupled cluster method. *Journal of Computational Physics*, 109(1):108–114, November 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183712039.

Hitchon:1994:KST

[HK94] W. N. G. Hitchon and E. R. Keiter. Kinetic simulation of a time-dependent two-dimensional plasma. *Journal of Computational Physics*, 112(2):226–233, June 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184710941.

Henderson:1995:USE

[HK95] Ronald D. Henderson and George Em Karniadakis. Unstructured spectral element methods for simulation of turbulent flows. *Journal of Computational Physics*, 122(2):191–217, December 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185712089.

Hile:1998:HNM

[HK98] Cheryl V. Hile and Gregory A. Kriegsmann. A hybrid numerical method for loaded highly resonant single mode cavities. *Journal of Computational Physics*, 142(2):506–520, May 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959514.

Haftel:1996:PSS

[HKM96] M. Haftel, R. Krivec, and V. B. Mandelzweig. Power series solution of coupled differential equations in one variable. *Journal of Computational Physics*, 123(1):149–161, January 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900121`.

Heikkola:1998:FDM

[HKNT98] Erkki Heikkola, Yuri A. Kuznetsov, Pekka Neittaanmäki, and Jari Toivanen. Fictitious domain methods for the numerical solution of two-dimensional scattering problems. *Journal of Computational Physics*, 145(1):89–109, September 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960144`.

Holden:1999:OSM

[HKR99] Helge Holden, Kenneth Hvistendahl Karlsen, and Nils Henrik Risebro. Operator splitting methods for generalized Korteweg–de Vries equations. *Journal of Computational Physics*, 153(1):203–222, July 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962733`.

Hou:1998:RSC

[HKS98] Thomas Y. Hou, Isaac Klapper, and Helen Si. Removing the stiffness of curvature in computing 3-D filaments. *Journal of Computational Physics*, 143(2):628–664, July 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959770`.

Hundsdorfer:1995:PFD

[HKvV95] W. Hundsdorfer, B. Koren, M. vanLoon, and J. G. Verwer. A positive finite-difference advection scheme. *Journal of Computational Physics*, 117(1):35–46, March 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918571042X`.

Hodgkinson:1997:ECA

[HKW97] I. J. Hodgkinson, S. Kassam, and Q. H. Wu. Eigenequations and compact algorithms for bulk and layered anisotropic optical me-

dia: Reflection and refraction at a crystal-crystal interface. *Journal of Computational Physics*, 133(1):75–83, May 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956485`.

Hsu:1990:NTT

[HL90] K. Hsu and S. L. Lee. A numerical technique for two-dimensional grid generation with grid control at all of the boundaries. *Journal of Computational Physics*, 91(2):496, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190900567`.

Hsu:1991:NTT

[HL91] K. Hsu and S. L. Lee. A numerical technique for two-dimensional grid generation with grid control at all of the boundaries. *Journal of Computational Physics*, 96(2):451–469, October 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190245G`.

Hui:1992:NLMa

[HL92a] W. H. Hui and C. Y. Loh. A new Lagrangian method for steady supersonic flow computation part II. Slip-line resolution. *Journal of Computational Physics*, 103(2):450–464, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290415U`.

Hui:1992:NLMb

[HL92b] W. H. Hui and C. Y. Loh. A new Lagrangian method for steady supersonic flow computation part III. Strong shocks. *Journal of Computational Physics*, 103(2):465–471, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290416V`.

Huang:1998:SOU

[HL98] Ying Huang and Alain Lerat. Second-order upwinding through a characteristic time-step matrix for compressible flow calculations. *Journal of Computational Physics*, 142(2):445–472, May 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959356`.

Han:1994:DAB

[HLB94] Houde Han, Jinfu Lu, and Weizhu Bao. A discrete artificial boundary condition for steady incompressible viscous flows in a no-slip channel using a fast iterative method. *Journal of Computational Physics*, 114(2):201–208, October 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711600`.

Hewett:1992:SSPb

[HLD92a] D. W. Hewett, D. J. Larson, and S. Doss. Solution of simultaneous partial differential equations using dynamic ADI: Solution of the streamlined Darwin field equations. *Journal of Computational Physics*, 99(2):351, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290216L`.

Hewett:1992:SSPa

[HLD92b] D. W. Hewett, D. J. Larson, and S. Doss. Solution of simultaneous partial differential equations using dynamic ADI: Solution of the streamlined Darwin field equations. *Journal of Computational Physics*, 101(1):11–24, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192900392`.

He:1996:SPL

[HLD96] Xiaoyi He, Li-Shi Luo, and Micah Dembo. Some progress in lattice Boltzmann method. Part I. Nonuniform mesh grids. *Journal of Computational Physics*, 129(2):357–363, December 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902557`.

Hui:1999:UCS

[HLL99] W. H. Hui, P. Y. Li, and Z. W. Li. A unified coordinate system for solving the two-dimensional Euler equations. *Journal of Computational Physics*, 153(2):596–637, August 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962952`.

Hou:1997:HMM

[HLOZ97] Thomas Y. Hou, Zhilin Li, Stanley Osher, and Hongkai Zhao. A hybrid method for moving interface problems with application to the Hele–Shaw flow. *Journal of Computational Physics*, 134(2):236–252, July 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956898`.

Holden:1999:USM

[HLR99] Helge Holden, Knut-Andreas Lie, and Nils Henrik Risebro. An unconditionally stable method for the Euler equations. *Journal of Computational Physics*, 150(1):76–96, March 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961642`.

Hou:1994:RSI

[HLS94] Thomas Y. Hou, John S. Lowengrub, and Michael J. Shelley. Removing the stiffness from interfacial flows with surface tension. *Journal of Computational Physics*, 114(2):312–338, October 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711703`.

Hornung:1990:FEM

[HM90] Ulrich Hornung and Hans D. Mittelmann. A finite element method for capillary surfaces with volume constraints. *Journal of Computational Physics*, 87(1):126–136, March 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090229T`.

Hamilton:1995:RGM

[HM95] John T. Hamilton and George Majda. On the Rokhlin–Greengard method with vortex blobs for problems posed in all space or periodic in one direction. *Journal of Computational Physics*, 121(1):29–50, October 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711771`.

Huber:1999:OOO

[HM99] Gary A. Huber and J. Andrew McCammon. OOMPAA-object-oriented model for probing assemblages of atoms. *Journal of Computational Physics*, 151(1):264–282, May 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199961995`.

Haas:1993:MTR

[HMD93] Brian L. Haas, Jeffrey D. McDonald, and Leonardo Dagum. Models of thermal relaxation mechanics for particle simulation methods. *Journal of Computational Physics*, 107(2):348–358, August 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711496`.

Helenbrook:1999:NMS

[HML99] B. T. Helenbrook, L. Martinelli, and C. K. Law. A numerical method for solving incompressible flow problems with a surface of discontinuity. *Journal of Computational Physics*, 148(2):366–396, January 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961150`.

Hegarty:1995:SMF

[HMOS95] Alan F. Hegarty, John J. H. Miller, Eugene O'Riordan, and G. I. Shishkin. Special meshes for finite difference approximations to an advection-diffusion equation with parabolic layers. *Journal of Computational Physics*, 117(1):47–54, March 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710431`.

Hattori:1995:IEG

[HN95] Tetsuya Hattori and Hideo Nakajima. Improvement of efficiency in generating random U(1) variables with Boltzmann distribution (von Mises distribution revisited). *Journal of Computational Physics*, 121(2):238–245, October 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999195900519`.

Higham:1996:NED

[HO96] Desmond J. Higham and Brynjulf Owren. Nonnormality effects in a discretised nonlinear reaction-convection-diffusion equation. *Journal of Computational Physics*, 124(2):309–323, March 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900625`.

Hobson:1992:EMC

[Hob92] Dana Hobson. An efficient method for computing invariant manifolds of planar maps. *Journal of Computational Physics*, 101(2): 453, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290028W`.

Hobson:1993:EMC

[Hob93] Dana Hobson. An efficient method for computing invariant manifolds of planar maps. *Journal of Computational Physics*, 104(1): 14–22, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710028`.

Hoffman:1995:ACF

[Hof95] Gary G. Hoffman. Atom-centered functions in the optimized Thomas–Fermi theory. *Journal of Computational Physics*, 116(1):154–159, January 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710133`.

Hoffman:1997:ISO

[Hof97] Gary G. Hoffman. An integral for second-order multiple scattering perturbation theory. *Journal of Computational Physics*, 130(1):129–135, January 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955746`.

Holmgren:1994:AAA

[Hol94] Pär Holmgren. An advection algorithm and an atmospheric airflow application. *Journal of Computational Physics*, 115(1):27–42, November 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711764`.

Holloway:1996:NMH

[Hol96a] James Paul Holloway. On numerical methods for Hamiltonian PDEs and a collocation method for the Vlasov–Maxwell equations. *Journal of Computational Physics*, 129(1):121–133, November 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902387`.

Holnicki:1996:PQI

[Hol96b] Piotr Holnicki. A piecewise-quintic Interpolation scheme. *Journal of Computational Physics*, 127(2):316–329, September 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901783`.

Hood:1990:NMF

[Hoo90] Kevin Hood. A numerical method for finding the ground states of one-dimensional systems. *Journal of Computational Physics*, 89(1):187–206, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090122H`.

Horowitz:1990:NAC

[Hor90] E. J. Horowitz. Notes to appear on computing eletrostatic field lines for two-dimensional vacuum field in the neighborhood of localized regions of charge. *Journal of Computational Physics*, 90(1):270, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090220U`.

Horowitz:1991:CEF

[Hor91] Eric J. Horowitz. On computing electrostatic field lines for two-dimensional vacuum fields in the neighborhood of localized regions of charge. *Journal of Computational Physics*, 97(2):553–558, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190013B`.

Hegarty:1993:CUC

[HOS93] Alan F. Hegarty, Eugene O'Riordan, and Martin Stynes. A comparison of uniformly convergent difference schemes for two-dimensional convection-diffusion problems. *Journal of*

Computational Physics, 105(1):24–32, March 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710508`.

Harabetian:1996:EAV

[HOS96] Eduard Harabetian, Stanley Osher, and Chi-Wang Shu. An Eulerian approach for vortex motion using a level set regularization procedure. *Journal of Computational Physics*, 127(1):15–26, August 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901552`.

Harabetian:1992:NHS

[HP92] Eduard Harabetian and Robert Pego. Nonconservative hybrid shock capturing schemes. *Journal of Computational Physics*, 103(1):187, November 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290334U`.

Harabetian:1993:NHS

[HP93] Eduard Harabetian and Robert Pego. Nonconservative hybrid shock capturing schemes. *Journal of Computational Physics*, 105(1):1–13, March 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918371048X`.

Henon:1998:GR

[HP98] M. Hénon and J-M. Petit. Good rotations. *Journal of Computational Physics*, 146(1):420–435, October 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960661`.

Han:1999:SDT

[HP99] David K. Han and Andrea Prosperetti. A shape decomposition technique in electrical impedance tomography. *Journal of Computational Physics*, 155(1):75–95, October 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963301`.

Harari:1998:DNM

[HPG98] Isaac Harari, Igor Patlashenko, and Dan Givoli. Dirichlet-to-Neumann maps for unbounded wave guides. *Journal of Computational Physics*, 143(1):200–223, June 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959605`.

Hariharan:1992:DNC

[HPS92a] S. I. Hariharan, Yu Ping, and J. R. Scott. The domain numerical calculations of unsteady vortical flows about a flat plate airfoil. *Journal of Computational Physics*, 100(2):434–435, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290263X`.

Hariharan:1992:TDN

[HPS92b] S. I. Hariharan, Yu Ping, and J. R. Scott. Time domain numerical calculations of unsteady vortical flows about a flat plate airfoil. *Journal of Computational Physics*, 101(2):419–430, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290017S`.

Hou:1996:CBO

[HR96] L. S. Hou and S. S. Ravindran. Computations of boundary optimal control problems for an electrically conducting fluid. *Journal of Computational Physics*, 128(2):319–330, October 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902132`.

Hou:1999:LSA

[HRL99] Thomas Y. Hou, Phoebus Rosakis, and Philippe LeFloch. A level-set approach to the computation of twinning and phase-transition dynamics. *Journal of Computational Physics*, 150(2):302–331, April 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961794`.

Huang:1994:MMM

[HRR94] Weizhang Huang, Yuhe Ren, and Robert D. Russell. Moving mesh methods based on moving mesh partial differential equa-

tions. *Journal of Computational Physics*, 113(2):279–290, August 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711351`.

Homeier:1990:NIF

[HS90] Herbert H. H. Homeier and E. Otto Steinborn. Numerical integration of functions with a sharp peak at or near one boundary using möbius transformations. *Journal of Computational Physics*, 87(1):61–72, March 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090225P`.

Hazins:1993:CSS

[HS93a] V. M. Hazins and V. V. Svetsov. A conservative stable smoothness-enhancing free-Lagrangian method. *Journal of Computational Physics*, 105(2):187–198, April 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710673`.

Huang:1993:PCS

[HS93b] Weizhang Huang and David M. Sloan. Pole condition for singular problems: The pseudospectral approximation. *Journal of Computational Physics*, 107(2):254–261, August 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711411`.

Huang:1994:PMS

[HS94] Weizhang Huang and David M. Sloan. The pseudospectral method for solving differential eigenvalue problems. *Journal of Computational Physics*, 111(2):399–409, April 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710734`.

Hodges:1999:STN

[HS99a] Ben R. Hodges and Robert L. Street. On simulation of turbulent nonlinear free-surface flows. *Journal of Computational Physics*, 151(2):425–457, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999198961666.

Hu:1999:WEN

[HS99b] Changqing Hu and Chi-Wang Shu. Weighted essentially non-oscillatory schemes on triangular meshes. *Journal of Computational Physics*, 150(1):97–127, March 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198961654.

Hyman:1999:MDM

[HS99c] James M. Hyman and Mikhail Shashkov. Mimetic discretizations for Maxwell's equations. *Journal of Computational Physics*, 151(2):881–909, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199962253.

Hirshman:1990:IRD

[HSN90] S. P. Hirshman, U. Schwenn, and J. Nührenberg. Improved radial differencing for three-dimensional magnetohydrodynamic equilibrium calculations. *Journal of Computational Physics*, 87(2):396–407, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190902594.

Hyman:1997:NSD

[HSS97] James Hyman, Mikhail Shashkov, and Stanly Steinberg. The numerical solution of diffusion problems in strongly heterogeneous non-isotropic materials. *Journal of Computational Physics*, 132(1):130–148, March 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196956338.

Hou:1997:ETL

[HSZ+97] Shuling Hou, Xiaowen Shan, Qisu Zou, Gary D. Doolen, and Wendy E. Soll. Evaluation of two lattice Boltzmann models for multiphase flows. *Journal of Computational Physics*, 138(2):695–713, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197958393.

Haras:1994:FDS

[HT94] Zigo Haras and Shlomo Ta'asan. Finite difference schemes for long-time integration. *Journal of Computational Physics*, 114(2):265–279, October 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918471165X`.

Harari:1995:AFD

[HT95] Isaac Harari and Eli Turkel. Accurate finite difference methods for time-harmonic wave propagation. *Journal of Computational Physics*, 119(2):252–270, July 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711345`.

Hornung:1997:AMR

[HT97] Richard D. Hornung and John A. Trangenstein. Adaptive mesh refinement and multilevel iteration for flow in porous media. *Journal of Computational Physics*, 136(2):522–545, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919795779X`.

Harfoush:1990:NIR

[HTK90] Fady Harfoush, Allen Taflove, and Gregory A. Kriegsmann. Numerical implementation of relativistic electromagnetic boundary conditions in a laboratory-frame grid. *Journal of Computational Physics*, 89(1):80–94, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090118K`.

Hu:1995:SBI

[Hu95] Fang Q. Hu. A spectral boundary integral equation method for the 2D Helmholtz equation. *Journal of Computational Physics*, 120(2):340–347, September 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711692`.

Hu:1996:ABC

[Hu96] Fang Q. Hu. On absorbing boundary conditions for linearized Euler equations by a perfectly matched layer. *Journal of Computational Physics*, 129(1):201–219, November 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999196902442.

Hubbard:1999:MSL

[Hub99] M. E. Hubbard. Multidimensional slope limiters for MUSCL-type finite volume schemes on unstructured grids. *Journal of Computational Physics*, 155(1):54–74, October 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199963295.

Huiskamp:1990:DFS

[Hui90] Geertjan Huiskamp. Difference formulas for the surface Laplacian on a triangulated surface. *Journal of Computational Physics*, 91(1):252–253, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090028Y.

Huiskamp:1991:DFS

[Hui91] Geertjan Huiskamp. Difference formulas for the surface Laplacian on a triangulated surface. *Journal of Computational Physics*, 95(2):477–496, August 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190286T.

Humphries:1996:FEM

[Hum96a] Stanley Humphries, Jr. Finite-element models for planar Hall probes of arbitrary shape and composition. *Journal of Computational Physics*, 128(2):438–444, October 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196902223.

Humphries:1996:NMS

[Hum96b] Stanley Humphries, Jr. Numerical modeling of space-charge-limited charged-particle emission on a conformal triangular mesh. *Journal of Computational Physics*, 125(2):488–497, May 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901102.

Hwang:1992:GLRa

[HW92a] C. J. Hwang and S. J. Wu. Global and local remeshing algorithms for compressible flows. *Journal of Computational Physics*, 100 (2):434, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290261V`.

Hwang:1992:GLRb

[HW92b] C. J. Hwang and S. J. Wu. Global and local remeshing algorithms for compressible flows. *Journal of Computational Physics*, 102(1):98–113, September 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999105800099`.

Huang:1996:DCF

[HW96] Huaxiong Huang and Brian R. Wetton. Discrete compatibility in finite difference methods for viscous incompressible fluid flow. *Journal of Computational Physics*, 126(2):468–478, July 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901503`.

Hou:1997:MFE

[HW97] Thomas Y. Hou and Xiao-Hui Wu. A multiscale finite element method for elliptic problems in composite materials and porous media. *Journal of Computational Physics*, 134(1):169–189, June 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956825`.

Hwang:1994:ADV

[Hwa94] Yao-Hsin Hwang. Arbitrary domain velocity analyses for the incompressible Navier–Stokes equations. *Journal of Computational Physics*, 110(1):134–149, January 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710102`.

Hwang:1996:HOE

[Hwa96] Yao-Hsin Hwang. Higher-order exponential difference schemes for the computations of the steady convection-diffusion equation. *Journal of Computational Physics*, 129(1):134–159, Novem-

ber 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196902399.

Hobson:1996:NFD

[HWM96] J. M. Hobson, N. Wood, and P. J. Mason. A new finite-difference diffusion scheme. *Journal of Computational Physics*, 125(1):16–25, April 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900765.

Haidvogel:1990:SSP

[HWY90] Dale B. Haidvogel, John L. Wilkin, and Roberta Young. A semi-spectral primitive equation ocean circulation model using vertical sigma and orthogonal curvilinear horizontal coordinates. *Journal of Computational Physics*, 90(1):268, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090210R.

Haidvogel:1991:SSP

[HWY91] Dale B. Haidvogel, John L. Wilkin, and Roberta Young. A semi-spectral primitive equation ocean circulation model using vertical sigma and orthogonal curvilinear horizontal coordinates. *Journal of Computational Physics*, 94(1):151–185, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999191901417.

Yang:1996:SBB

[hYsY96] Zhong hua Yang and Rui song Ye. Symmetry-breaking and bifurcation study on the laminar flows through curved pipes with a circular cross section. *Journal of Computational Physics*, 127(1):73–87, August 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919690159X.

Hou:1995:SCF

[HZC+95] Shuling Hou, Qisu Zou, Shiyi Chen, Gary Doolen, and Allen C. Cogley. Simulation of cavity flow by the lattice Boltzmann method. *Journal of Computational Physics*, 118(2):329–347, May 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185711035.

Issa:1991:SID

[IABBG91] R. I. Issa, B. Ahmadi-Befrui, K. R. Beshay, and A. D. Gosman. Solution of the implicitly discretised reacting flow equations by operator-splitting. *Journal of Computational Physics*, 93(2):388–410, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190191M`.

Ibraheem:1996:BGL

[ID96] S. O. Ibraheem and A. O. Demuren. On bi-grid local mode analysis of solution techniques for 3-D Euler and Navier–Stokes equations. *Journal of Computational Physics*, 125(2):354–377, May 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900996`.

Issa:1990:SID

[IGABB90] R. I. Issa, A. D. Gosman, B. Ahmadi-Befrui, and K. R. Beshay. Solution of the implicitly discretized reacting flow equations by operator-splitting. *Journal of Computational Physics*, 90(1):267, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090207H`.

Igarashi:1995:SAC

[IH95] Hajime Igarashi and Toshihisa Honma. Strategies for the accurate computation of potential derivatives in boundary element method: Application to two-dimensional problems. *Journal of Computational Physics*, 119(2):244–251, July 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711333`.

Iliev:1995:BMI

[IM95] Oleg P. Iliev and Mikhail M. Makarov. A block-matrix iterative numerical method for coupled solving 2D Navier–Stokes equations. *Journal of Computational Physics*, 121(2):324–330, October 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999195901701`.

Ito:1998:ROM

[IR98] K. Ito and S. S. Ravindran. A reduced-order method for simulation and control of fluid flows. *Journal of Computational Physics*, 143(2):403–425, July 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959435`.

Iollo:1996:COS

[IS96] Angelo Iollo and Manuel D. Salas. Contribution to the optimal shape design of two-dimensional internal flows with embedded shocks. *Journal of Computational Physics*, 125(1):124–134, April 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900832`.

Ierley:1992:SMTa

[ISW92a] Glenn Ierley, Brian Spencer, and Rodney Worthing. Spectral methods in time for a class of parabolic partial differential equations. *Journal of Computational Physics*, 100(2):434, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290262W`.

Ierley:1992:SMTb

[ISW92b] Glenn Ierley, Brian Spencer, and Rodney Worthing. Spectral methods in time for a class of parabolic partial differential equations. *Journal of Computational Physics*, 102(1):88–97, September 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999105800087`.

Ingham:1990:NIS

[IT90] D. B. Ingham and T. Tang. A numerical investigation into the steady flow past a rotating circular cylinder at low and intermediate Reynolds numbers. *Journal of Computational Physics*, 87(1):91–107, March 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090227R`.

Ivansson:1993:DMF

[Iva93] Sven Ivansson. Delta-matrix factorization for fast propagation through solid layers in a fluid-solid medium. *Journal of*

Computational Physics, 108(2):357–367, October 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711897`.

Jablonski:1994:NES

[Jab94] Aleksander Jablonski. Numerical evaluation of spherical Bessel functions of the first kind. *Journal of Computational Physics*, 111(2):256–259, April 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710606`.

Jacobs:1990:PMT

[Jac90] S. J. Jacobs. A pseudospectral method for two-point boundary value problems. *Journal of Computational Physics*, 88(1):169–182, May 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090246W`.

Jacobs:1995:ASS

[Jac95] S. J. Jacobs. An accurate split step scheme for viscous incompressible fluid flow. *Journal of Computational Physics*, 119(1):26–33, June 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711138`.

Jacqmin:1999:CTP

[Jac99] David Jacqmin. Calculation of two-phase Navier–Stokes flows using phase-field modeling. *Journal of Computational Physics*, 155(1):96–127, October 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963325`.

Jain:1997:CMM

[Jai97] Abhinandan Jain. Compensating mass matrix potential for constrained molecular dynamics. *Journal of Computational Physics*, 136(2):289–297, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957314`.

Jakubovics:1993:RAS

[Jak93] J. P. Jakubovics. Removal of apparent singularity in grid computations. *Journal of Computational Physics*, 104(1):274–276, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710284`.

Jamieson:1999:EOF

[Jam99] M. J. Jamieson. On an eighth order formula for solving a Schrödinger equation. *Journal of Computational Physics*, 149 (1):194–197, February 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961216`.

Juffer:1991:EPMa

[JB91] Andre H. Juffer and Herman J. C. Berendsen. The electric potential of a macromolecule in a solvent: a fundamental approach. *Journal of Computational Physics*, 93(1):251, March 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190084X`.

Jin:1993:NOB

[JB93] G. Jin and M. Braza. A nonreflecting outlet boundary condition for incompressible unsteady Navier–Stokes calculations. *Journal of Computational Physics*, 107(2):239–253, August 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918371140X`.

Jones:1995:GPM

[JB95] A. E. Jones and R. J. P. Bain. A generalisation of planar magnetic gradiometer design via orthogonal polynomials. *Journal of Computational Physics*, 118(2):191–199, May 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710911`.

Jimenez:1996:PRA

[JBA96] J. C. Jimenez, R. Biscay, and E. Aubet. Parametric representation of anatomical structures of the human body by means of trigonometric interpolating sums. *Journal of Computational Physics*, 126(2):243–250, July 1996. CODEN

JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901357.

Juffer:1991:EPMb

[JBvK+91] AndréH Juffer, Eugen F. F. Botta, Bert A. M. van Keulen, Auke van der Ploeg, and Herman J. C. Berendsen. The electric potential of a macromolecule in a solvent: a fundamental approach. *Journal of Computational Physics*, 97(1):144–171, November 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190043K.

Jeng:1992:TEA

[JC92] Yih Nen Jeng and Jiann Lin Chen. Truncation error analysis of the finite volume method for a model steady convective equation. *Journal of Computational Physics*, 100(1):64–76, May 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290310U.

Johansen:1998:CGE

[JC98] Hans Johansen and Phillip Colella. A Cartesian grid embedded boundary method for Poisson's equation on irregular domains. *Journal of Computational Physics*, 147(1):60–85, November 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959654.

Jakob-Chien:1997:FSF

[JCA97] Rüdiger Jakob-Chien and Bradley K. Alpert. A fast spherical filter with uniform resolution. *Journal of Computational Physics*, 136(2):580–584, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919795782X.

Jakob-Chien:1995:STS

[JCHW95] Ruediger Jakob-Chien, James J. Hack, and David L. Williamson. Spectral transform solutions to the shallow water test set. *Journal of Computational Physics*, 119(1):164–187, June 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185711254.

Jiang:1999:HOW

[JcW99] Guang-Shan Jiang and Cheng chin Wu. A high-order WENO finite difference scheme for the equations of ideal magnetohydrodynamics. *Journal of Computational Physics*, 150(2):561–594, April 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962071`.

Jessop:1994:MMB

[JDC94] Chris Jessop, Martin Duncan, and W. Y. Chau. Multigrid methods for N-body gravitational systems. *Journal of Computational Physics*, 115(2):339–351, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184712009`.

Joly:1990:PBG

[JE90] P. Joly and R. Eymard. Preconditioned biconjugate gradient methods for numerical reservoir simulation. *Journal of Computational Physics*, 91(2):298–309, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190900394`.

Jessee:1998:AMR

[JFH+98] J. Patrick Jessee, Woodrow A. Fiveland, Louis H. Howell, Phillip Colella, and Richard B. Pember. An adaptive mesh refinement algorithm for the radiative transport equation. *Journal of Computational Physics*, 139(2):380–398, January 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958708`.

Jacobs:1997:ATD

[JH97] Donald J. Jacobs and Bruce Hendrickson. An algorithm for two-dimensional rigidity percolation: The pebble game. *Journal of Computational Physics*, 137(2):346–365, November 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958095`.

Ji:1994:SAS

[Ji94] Xingzhi Ji. On a shooting algorithm for Sturm–Liouville eigenvalue problems with periodic and semi-periodic boundary condi-

tions. *Journal of Computational Physics*, 111(1):74–80, March 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918471045X`.

Ji:1996:BMD

[Ji96] Xingzhi Ji. On 2D bisection method for double eigenvalue problems. *Journal of Computational Physics*, 126(1):91–98, June 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901229`.

Jin:1994:ECS

[Jin94] Bao Xia Jin. On an essentially conservative scheme for hyperbolic conservation laws. *Journal of Computational Physics*, 112(2):308–315, June 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918471103X`.

Jin:1995:RKM

[Jin95] Shi Jin. Runge–Kutta methods for hyperbolic conservation laws with stiff relaxation terms. *Journal of Computational Physics*, 122(1):51–67, November 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711965`.

Johnsson:1992:CEM

[JJK92] S. Lennart Johnsson, Michel Jacquemin, and Robert L. Krawitz. Communication efficient multi-processor FFT. *Journal of Computational Physics*, 102(2):381–397, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290380H`.

Jin:1996:NSH

[JL96a] Shi Jin and C. David Levermore. Numerical schemes for hyperbolic conservation laws with stiff relaxation terms. *Journal of Computational Physics*, 126(2):449–467, July 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901497`.

Jin:1996:ENV

[JL96b] Shi Jin and Jian-Guo Liu. The effects of numerical viscosities: I. Slowly moving shocks. *Journal of Computational Physics*, 126(2): 373–389, July 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901448`.

Jarratt:1990:GSS

[JLB90] Mary Jarratt, John Lund, and Kenneth L. Bowers. Galerkin schemes and the sinc-Galerkin method for singular Sturm–Liouville problems. *Journal of Computational Physics*, 89(1): 41–62, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090116I`.

Jou:1997:MEI

[JLL97] H.-J. Jou, P. H. Leo, and J. S. Lowengrub. Microstructural evolution in inhomogeneous elastic media. *Journal of Computational Physics*, 131(1):109–148, February 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955813`.

Jones:1996:GBC

[JLM+96] Michael E. Jones, Don S. Lemons, Rodney J. Mason, Vincent A. Thomas, and Dan Winske. A grid-based Coulomb collision model for PIC codes. *Journal of Computational Physics*, 123(1):169–181, January 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900145`.

Joyce:1997:EPC

[JLSM97] Glenn Joyce, Martin Lampe, Steven P. Slinker, and Wallace M. Manheimer. Electrostatic particle-in-cell simulation technique for quasineutral plasma. *Journal of Computational Physics*, 138(2):540–562, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958332`.

Jenny:1998:RHR

[JM98] P. Jenny and B. Müller. Rankine–Hugoniot–Riemann solver considering source terms and multidimensional effects. *Jour-*

nal of Computational Physics, 145(2):575–610, September 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960375`.

Jayaram:1999:FEA

[JMDB99] B. Jayaram, K. J. McConnell, Surjit B. Dixit, and D. L. Beveridge. Free energy analysis of protein–DNA binding: The EcoRI endonuclease–DNA complex. *Journal of Computational Physics*, 151(1):333–357, May 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961733`.

Jones:1994:FDA

[JMR94] P. Jones, J. Ma, and V. Rokhlin. A fast direct algorithm for the solution of the Laplace equation on regions with fractal boundaries. *Journal of Computational Physics*, 113(1):35–51, July 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711168`.

Jenny:1997:CCE

[JMT97] P. Jenny, B. Müller, and H. Thomann. Correction of conservative Euler solvers for gas mixtures. *Journal of Computational Physics*, 132(1):91–107, March 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956259`.

Johansson:1993:BCO

[Joh93] B. Christer V. Johansson. Boundary conditions for open boundaries for the incompressible Navier–Stokes equation. *Journal of Computational Physics*, 105(2):233–251, April 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710715`.

Jordan:1999:LES

[Jor99] Stephen. A. Jordan. A large-eddy simulation methodology in generalized curvilinear coordinates. *Journal of Computational Physics*, 148(2):322–340, January 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999198961125.

Jeng:1995:ATL

[JP95] Yih Nen Jeng and Uon Jan Payne. An adaptive TVD limiter. *Journal of Computational Physics*, 118(2):229–241, May 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185710959.

Jordan:1996:EFS

[JR96] Stephen A. Jordan and Saad A. Ragab. An efficient fractional-step technique for unsteady incompressible flows using a semi-staggered grid strategy. *Journal of Computational Physics*, 127(1):218–225, August 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901709.

Junk:1999:NDV

[JR99] Michael Junk and S. V. Raghurama Rao. A new discrete velocity method for Navier–Stokes equations. *Journal of Computational Physics*, 155(1):178–198, October 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199963362.

Jordan:1993:FAG

[JS93] Stephen A. Jordan and Malcolm L. Spaulding. A fast algorithm for grid generation. *Journal of Computational Physics*, 104(1):118–128, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183710144.

Jiang:1996:EIW

[JS96] Guang-Shan Jiang and Chi-Wang Shu. Efficient implementation of weighted ENO schemes. *Journal of Computational Physics*, 126(1):202–228, June 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901308.

Justiz:1995:MNF

[JSD95] Charles R. Justiz, Ronald M. Sega, and Charles Dalton. A method for near field computation of coupled weakly ion-

ized plasma flows in low Earth orbit. *Journal of Computational Physics*, 118(2):278–293, May 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710996`.

Jones:1997:ISN

[JSE97] Ogden S. Jones, Uri Shumlak, and D. Scott Eberhardt. An implicit scheme for nonideal magnetohydrodynamics. *Journal of Computational Physics*, 130(2):231–242, January 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955801`.

Jorgenson:1993:CDT

[JT93] P. Jorgenson and E. Turkel. Central difference TVD schemes for time dependent and steady state problems. *Journal of Computational Physics*, 107(2):297–308, August 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711459`.

Juric:1996:FTM

[JT96] Damir Juric and Grétar Tryggvason. A front-tracking method for dendritic solidification. *Journal of Computational Physics*, 123(1):127–148, January 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919690011X`.

Jiang:1999:IVN

[JT99] Z. Jiang and K. Takayama. An investigation into the validation of numerical solutions of complex flowfields. *Journal of Computational Physics*, 151(2):479–497, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199961867`.

Junk:1999:KSC

[Jun99] Michael Junk. Kinetic schemes in the case of low Mach numbers. *Journal of Computational Physics*, 151(2):947–968, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962289`.

Jyotsna:1995:MCS

[JV95] R. Jyotsna and S. P. Vanka. Multigrid calculation of steady, viscous flow in a triangular cavity. *Journal of Computational Physics*, 122(1):107–117, November 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185712004`.

Jain:1993:FRA

[JVR93] A. Jain, N. Vaidehi, and G. Rodriguez. A fast recursive algorithm for molecular dynamics simulation. *Journal of Computational Physics*, 106(2):258–268, June 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918371106X`.

Jian:1997:CWC

[JVS97] Hongmei Jian, Alexander V. Vologodskii, and Tamar Schlick. A combined wormlike-chain and bead model for dynamic simulations of long linear DNA. *Journal of Computational Physics*, 136(1):168–179, September 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919795765X`.

Jiang:1990:ABC

[JW90] Hong Jiang and Yau Shu Wong. Absorbing boundary conditions for second-order hyperbolic equations. *Journal of Computational Physics*, 88(1):205–231, May 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090248Y`.

Jafroudi:1993:MAS

[JYH93] Hamid Jafroudi, Hsun-Tiao Yang, and Jerry Hermel. Matched asymptotic solutions of impulsive flow over an elliptic cylinder. *Journal of Computational Physics*, 109(2):289–305, December 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183712180`.

Jinrong:1995:CSS

[JZQ+95] Cheng Jinrong, Zhang Ziping, Zhou Qin, Yi Youmin, Gao Yongchun, and Ynag Detian. Computer simulation study

of the properties of orthopositronium 3 γ decay. *Journal of Computational Physics*, 118(2):396–400, May 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711102`.

Kaber:1996:LPV

[Kab96] S. M. Ould Kaber. A Legendre pseudospectral viscosity method. *Journal of Computational Physics*, 128(1):165–180, October 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902016`.

Kalinderis:1991:NTG

[Kal91] Yannis Kalinderis. Numerical treatment of grid interfaces for viscous flows. *Journal of Computational Physics*, 93(1):252, March 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190086Z`.

Kallinderis:1992:NTG

[Kal92] Yannis Kallinderis. Numerical treatment of grid interfaces for viscous flows. *Journal of Computational Physics*, 98(1):129–144, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192901793`.

Kaltenbach:1997:CAR

[Kal97] Hans-Jakob Kaltenbach. Cell aspect ratio dependence of anisotropy measures for resolved and subgrid scale stresses. *Journal of Computational Physics*, 136(2):399–410, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957557`.

Kang:1992:OGGa

[Kan92] I. S. Kang. Orthogonal grid generation in a 2D domain via the boundary integral technique. *Journal of Computational Physics*, 100(2):434, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192902606`.

Karageorghis:1991:MFS

[Kar91] Andreas Karageorghis. The method of fundamental solutions for the solution of steady-state free boundary problems. *Journal of Computational Physics*, 93(2):486, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190201U`.

Karageorghis:1992:MFS

[Kar92] Andreas Karageorghis. The method of fundamental solutions for the solution of steady-state free boundary problems. *Journal of Computational Physics*, 98(1):119–128, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192901782`.

Karni:1994:MFC

[Kar94] Smadar Karni. Multicomponent flow calculations by a consistent primitive algorithm. *Journal of Computational Physics*, 112(1): 31–43, May 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710801`.

Karlin:1997:NAF

[Kar97] Vladimir Karlin. Numerical algorithms for flows in the nodes of 2D models of pipe networks. *Journal of Computational Physics*, 132(1):62–77, March 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956090`.

Kinoshita:1996:ABS

[KB96] M. Kinoshita and D. R. Bérard. Analysis of the bulk and surface-induced structure of electrolyte solutions using integral equation theories. *Journal of Computational Physics*, 124(1):230–241, March 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900558`.

Kuang:1999:NMM

[KB99] Weijia Kuang and Jeremy Bloxham. Numerical modeling of magnetohydrodynamic convection in a rapidly rotating spherical shell: Weak and strong field dynamo action. *Journal*

of Computational Physics, 153(1):51–81, July 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962745`.

Kirby:1990:EAA

[KBS90] M. Kirby, J. Boris, and L. Sirovich. An eigenfunction analysis of axisymmetric jet flow. *Journal of Computational Physics*, 90(1):98–122, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090198A`.

Kovanen:1992:HCS

[KC92] M. A. Kovanen and W. G. F. Core. HECTOR: a code for the study of charged particles in axisymmetric tokamak plasmas. *Journal of Computational Physics*, 103(1):187, November 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290335V`.

Kovanen:1993:HCS

[KC93] M. A. Kovanen and W. G. F. Core. HECTOR: a code for the study of charged particles in axisymmetric Tokamak plasmas. *Journal of Computational Physics*, 105(1):14–23, March 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710491`.

Karni:1997:CSM

[KC97] Smadar Karni and Sunćica Canić. Computations of slowly moving shocks. *Journal of Computational Physics*, 136(1):132–139, September 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919795751X`.

Knio:1995:NSS

[KCJ95] Omar M. Knio, Luc Collorec, and Daniel Juvé. Numerical study of sound emission by 2D regular and chaotic vortex configurations. *Journal of Computational Physics*, 116(2):226–246, February 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710236`.

Kunz:1999:DIM

[KCV99] R. F. Kunz, W. K. Cope, and S. Venkateswaran. Development of an implicit method for multi-fluid flow simulations. *Journal of Computational Physics*, 152(1):78–101, June 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962356`.

Kawahara:1997:BAB

[KD97] Mutsuto Kawahara and Yan Ding. Bifurcation analysis of Brown tide by reaction-diffusion equation using finite element method. *Journal of Computational Physics*, 131(2):253–266, March 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956144`.

Kazeminezhad:1992:VPI

[KDL+92] F. Kazeminezhad, J. M. Dawson, J. N. Leboeuf, R. Sydora, and D. Holland. A Vlasov particle ion zero mass electron model for plasma simulations. *Journal of Computational Physics*, 102(2):277–296, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192903726`.

Kuchta:1993:FHM

[KE93] B. Kuchta and R. D. Etters. Features of the histogram Monte Carlo method: Application to N_2 monolayer melting on graphite. *Journal of Computational Physics*, 108(2):353–356, October 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711885`.

Kobeissi:1990:SSM

[KEHK90] Hafez Kobeissi, Ali El-Hajj, and Munif Kobersi. A simplified shooting method for the diatomic eigenvalue problem. *Journal of Computational Physics*, 91(1):254, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090036Z`.

Kobeissi:1991:SSM

[KEHK91] Hafez Kobeissi, Ali El-Hajj, and Munif Kobersi. A simplified shooting method for the diatomic eigenvalue problem. *Journal of Computational Physics*, 96(2):470–474, October 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190246H`.

Keller:1994:RSF

[Kel94] Joseph B. Keller. Removing small features from computational domains. *Journal of Computational Physics*, 113(1):148–150, July 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711247`.

Kobeissi:1991:CFM

[KF91] H. Kobeissi and K. Fakhreddine. The canonical functions method and singular potentials. *Journal of Computational Physics*, 95(2):505–510, August 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190288V`.

Klimas:1994:SAV

[KF94] A. J. Klimas and W. M. Farrell. A splitting algorithm for Vlasov simulation with filamentation filtration. *Journal of Computational Physics*, 110(1):150–163, January 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710114`.

Knio:1990:NST

[KG90a] Omar M. Knio and Ahmed F. Ghoniem. Numerical study of a three-dimensional vortex method. *Journal of Computational Physics*, 86(1):75–106, January 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090092F`.

Knio:1990:TDV

[KG90b] Omar M. Knio and Ahmed F. Ghoniem. Three-dimensional vortex simulation of rollup and entrainment in a shear layer. *Journal*

of Computational Physics, 91(2):495–496, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190900545`.

Knio:1991:TDV

[KG91] Omar M. Knio and Ahmed F. Ghoniem. Three-dimensional vortex simulation of rollup and entrainment in a shear layer. *Journal of Computational Physics*, 97(1):172–223, November 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190044L`.

Krishnan:1992:SRMa

[KG92a] Anantha Krishnan and Ahmed F. Ghoniem. Simulation of rollup and mixing in Rayleigh–Taylor flow using the transport-element method. *Journal of Computational Physics*, 98(2):347, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290152O`.

Krishnan:1992:SRMb

[KG92b] Anantha Krishnan and Ahmed F. Ghoniem. Simulation of rollup and mixing in Rayleigh–Taylor flow using the transport-element method. *Journal of Computational Physics*, 99(1):1–27, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192902709`.

Kerner:1998:CNM

[KGH+98] W. Kerner, J. P. Goedbloed, G. T. A. Huysmans, S. Poedts, and E. Schwarz. CASTOR: Normal-mode analysis of resistive MHD plasmas. *Journal of Computational Physics*, 142(2):271–303, May 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959101`.

Kaushik:1990:APB

[KH90] Sumanth Kaushik and Peter L. Hagelstein. The application of the preconditioned biconjugate gradient algorithm to NLTE rate matrix equations. *Journal of Computational Physics*, 91(2):496, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190900578`.

Kaushik:1992:APB

[KH92] Sumanth Kaushik and Peter L. Hagelstein. The application of the preconditioned biconjugate gradient algorithm to NLTE rate matrix equations. *Journal of Computational Physics*, 101(2):360–367, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290013O`.

Koren:1997:GTS

[KH97] B. Koren and P. W. Hemker. Godunov-type schemes, sparse grids and 3D CFD. *Journal of Computational Physics*, 137(??), ???? 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). To appear.

Kontomaris:1992:ATFa

[KHM92a] K. Kontomaris, T. J. Hanratty, and J. B. McLaughlin. An algorithm for tracking fluid particles in a spectral simulation of turbulent channel flow. *Journal of Computational Physics*, 101 (1):228, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192900657`.

Kontomaris:1992:ATFb

[KHM92b] K. Kontomaris, T. J. Hanratty, and J. B. McLaughlin. An algorithm for tracking fluid particles in a spectral simulation of turbulent channel flow. *Journal of Computational Physics*, 103(2):231–242, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290398I`.

Khokhlov:1998:FTT

[Kho98] A. M. Khokhlov. Fully threaded tree algorithms for adaptive refinement fluid dynamics simulations. *Journal of Computational Physics*, 143(2):519–543, July 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198999983`.

Kleiser:1998:LET

[KHW98] Leonhard Kleiser, Carlos Härtel, and Torsten Wintergerste. Letter to the Editor: There is no error in the Kleiser–Schumann influence matrix method. *Journal of Computational Physics*, 141(1):85–87, March 20, 1998. CODEN

JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959241. See comment [Wer98].

Kim:1999:CSM

[KI99] Arnold D. Kim and Akira Ishimaru. A Chebyshev spectral method for radiative transfer equations applied to electromagnetic wave propagation and scattering in a discrete random medium. *Journal of Computational Physics*, 152(1):264–280, June 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199962472.

Karniadakis:1991:HOS

[KIO91] George Em Karniadakis, Moshe Israeli, and Steven A. Orszag. High-order splitting methods for the incompressible Navier–Stokes equations. *Journal of Computational Physics*, 97(2):414–443, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999191900078.

Kim:1998:RAL

[KJ98] Chongam Kim and Antony Jameson. A robust and accurate LED–BGK solver on unstructured adaptive meshes. *Journal of Computational Physics*, 143(2):598–627, July 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959733.

Kaper:1995:VCT

[KK95] Hans G. Kaper and Man Kam Kwong. Vortex configurations in type-II superconducting films. *Journal of Computational Physics*, 119(1):120–131, June 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185711205.

Kopriva:1996:CSGa

[KK96] David A. Kopriva and John H. Kolias. A conservative staggered-grid Chebyshev multidomain method for compressible flows. *Journal of Computational Physics*, 125(1):244–261, April 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900911.

Kobeissi:1990:UVS

[KKD90] Hafez Kobeissi, Majida Kobeissi, and Mounzer Dagher. On the use of a variable-step method for the computation of diatomic eigenvalues near dissociation: The Lennard-Jones potential. *Journal of Computational Physics*, 86(2):487–491, February 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090110M`.

Kandhai:1999:IAL

[KKH+99] D. Kandhai, A. Koponen, A. Hoekstra, M. Kataja, J. Timonen, and P. M. A. Sloot. Implementation aspects of 3D lattice-BGK: Boundaries, accuracy, and a new fast relaxation method. *Journal of Computational Physics*, 150(2):482–501, April 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199961910`.

Kartalev:1995:FEN

[KKK95] M. D. Kartalev, M. S. Kaschiev, and D. K. Koitchev. Finite element numerical modeling of stationary two-dimensional magnetosphere with defined boundary. *Journal of Computational Physics*, 119(2):220–230, July 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918571131X`.

Kono:1997:EQM

[KKOF97] Hirohiko Kono, Akihisa Kita, Yukiyoshi Ohtsuki, and Yuichi Fujimura. An efficient quantum mechanical method for the electronic dynamics of the three-dimensional hydrogen atom interacting with a linearly polarized strong laser pulse. *Journal of Computational Physics*, 130(1):148–159, January 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955886`.

Kang:1992:OGGb

[KL92a] I. S. Kang and L. G. Leal. Orthogonal grid generation in a 2D domain via the boundary integral technique. *Journal of Computational Physics*, 102(1):78–87, September 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999105800075.

Kunz:1992:SEN

[KL92b] Robert F. Kunz and Budugur Lakshminarayana. Stability of explicit Navier–Stokes procedures using k–ε and k–ε / algebraic Reynolds stress turbulence models. *Journal of Computational Physics*, 103(1):141–159, November 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192903302.

Khayrutdinov:1993:SPE

[KL93] R. R. Khayrutdinov and V. E. Lukash. Studies of plasma equilibrium and transport in a Tokamak fusion device with the inverse-variable technique. *Journal of Computational Physics*, 109(2):193–201, December 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183712118.

Kriegsmann:1994:RPR

[KL94] Gregory A. Kriegsmann and Jonathan H. C. Luke. Rapid pulse responses for scattering problems. *Journal of Computational Physics*, 111(2):390–398, April 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184710722.

Kahan:1997:USC

[KL97] William Kahan and Ren-Chang Li. Unconventional schemes for a class of ordinary differential equations—with applications to the Korteweg–de Vries equation. *Journal of Computational Physics*, 134(2):316–331, July 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197957107.

Klapper:1996:BAD

[Kla96] I. Klapper. Biological applications of the dynamics of twisted elastic rods. *Journal of Computational Physics*, 125(2):325–337, May 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900972.

Klar:1999:RSL

[Kla99] Axel Klar. Relaxation scheme for a lattice-Boltzmann-type discrete velocity model and numerical Navier–Stokes limit. *Journal of Computational Physics*, 148(2):416–432, January 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919896123X`.

Knoll:1999:MIF

[KLB99] D. A. Knoll, G. Lapenta, and J. U. Brackbill. A multilevel iterative field solver for implicit, kinetic, plasma simulation. *Journal of Computational Physics*, 149(2):377–388, March 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961599`.

Kazeminezhad:1993:DMM

[KLBD93] F. Kazeminezhad, J. N. Leboeuf, F. Brunel, and J. M. Dawson. A discrete model for MHD incorporating the Hall term. *Journal of Computational Physics*, 104(2):398–417, February 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710399`.

Klein:1995:SIE

[Kle95] R. Klein. Semi-implicit extension of a Godunov-type scheme based on low Mach number asymptotics I: One-dimensional flow. *Journal of Computational Physics*, 121(2):213–237, October 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999195900349`.

Kroger:1995:MLS

[KLM95] H. Kröger, S. Lantagne, and K. J. M. Moriarty. Momentum lattice simulation on a small lattice using stochastic quantization. *Journal of Computational Physics*, 122(2):335–342, December 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185712193`.

Koumoutsakos:1994:BCV

[KLP94] P. Koumoutsakos, A. Leonard, and F. Pépin. Boundary conditions for viscous vortex methods. *Journal of*

Computational Physics, 113(1):52–61, July 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918471117X`.

Mao:1990:TDS

[kM90] De kang Mao. A treatment of discontinuities in shock-capturing finite difference methods. *Journal of Computational Physics*, 89 (1):252, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090130S`.

Mao:1991:TDS

[kM91] De kang Mao. A treatment of discontinuities in shock-capturing finite difference methods. *Journal of Computational Physics*, 92(2):422–455, February 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191902179`.

Kadioglu:1992:IGM

[KM92] Mikdat Kadioğlu and Stephen Mudrick. On the implementation of the GMRES(m) method to elliptic equations in meteorology. *Journal of Computational Physics*, 102(2):348–359, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290377B`.

Mao:1993:TDF

[kM93a] De kang Mao. A treatment of discontinuities for finite difference methods in the two-dimensional case. *Journal of Computational Physics*, 104(2):377–397, February 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710387`.

Khorrami:1993:ECS

[KM93b] Mehdi R. Khorrami and Mujeeb R. Malik. Efficient computation of spatial eigenvalues for hydrodynamic stability analysis. *Journal of Computational Physics*, 104(1):267–272, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710260`.

Knoll:1995:INA

[KM95] D. A. Knoll and P. R. McHugh. An inexact Newton algorithm for solving the Tokamak edge plasma fluid equations on a multiply-connected domain. *Journal of Computational Physics*, 116(2):281–291, February 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710273`.

Khamayseh:1996:CCM

[KM96] Ahmed Khamayseh and C. Wayne Mastin. Computational conformal mapping for surface grid generation. *Journal of Computational Physics*, 123(2):394–401, February 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900327`.

Kotelnikov:1997:KMC

[KM97a] Alexei D. Kotelnikov and David C. Montgomery. A kinetic method for computing inhomogeneous fluid behavior. *Journal of Computational Physics*, 134(2):364–388, July 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919795720X`.

Kravchenko:1997:ENE

[KM97b] A. G. Kravchenko and P. Moin. On the effect of numerical errors in large eddy simulations of turbulent flows. *Journal of Computational Physics*, 131(2):310–322, March 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955977`.

Kamimura:1992:IPSb

[KMB+92a] T. Kamimura, E. Montalvo, D. C. Barnes, J. N. Leboeuf, and T. Tajima. Implicit particle simulation of electromagnetic plasma phenomena. *Journal of Computational Physics*, 99(1):181, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290298D`.

Kamimura:1992:IPSa

[KMB+92b] T. Kamimura, E. Montalvo, D. C. Barnes, J. N. Leboeuf, and T. Tajima. Implicit particle simulation of electromagnetic plasma

phenomena. *Journal of Computational Physics*, 100(1):77–90, May 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290311L`.

Kravchenko:1996:ZEG

[KMM96] A. G. Kravchenko, P. Moin, and R. Moser. Zonal embedded grids for numerical simulations of wall-bounded turbulent flows. *Journal of Computational Physics*, 127(2):412–423, September 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901849`.

Kravchenko:1999:BSM

[KMS99] Arthur G. Kravchenko, Parviz Moin, and Karim Shariff. B-spline method and zonal grids for simulations of complex turbulent flows. *Journal of Computational Physics*, 151(2):757–789, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962174`.

Knoll:1998:ICS

[Kno98] D. A. Knoll. An improved convection scheme applied to recombining divertor plasma flows. *Journal of Computational Physics*, 142(2):473–488, May 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959472`.

Korniss:1999:PDM

[KNR99] G. Korniss, M. A. Novotny, and P. A. Rikvold. Parallelization of a dynamic Monte Carlo algorithm: a partially rejection-free conservative approach. *Journal of Computational Physics*, 153(2):488–508, August 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962915`.

Knupp:1992:REG

[Knu92] Patrick M. Knupp. A robust elliptic grid generator. *Journal of Computational Physics*, 100(2):409–418, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290247V`.

Knupp:1995:MGU

[Knu95] P. Knupp. Mesh generation using vector fields. *Journal of Computational Physics*, 119(1):142–148, June 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711229`.

Knio:1999:SIN

[KNW99] Omar M. Knio, Habib N. Najm, and Peter S. Wyckoff. A semi-implicit numerical scheme for reacting flow: II. Stiff, operator-split formulation. *Journal of Computational Physics*, 154(2):428–467, September 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963222`.

Krauskopf:1998:GQU

[KO98] Bernd Krauskopf and Hinke Osinga. Growing 1D and quasi-2D unstable manifolds of maps. *Journal of Computational Physics*, 146(1):404–419, October 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960594`.

Kobayashi:1990:SLS

[Kob90] Mei Kobayashi. Sturm–Liouville systems with potentials: $0.5 \cos Inx$. *Journal of Computational Physics*, 90(1):270, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090221L`.

Kobayashi:1991:SLS

[Kob91] Mei Kobayashi. Sturm–Liouville systems with potentials $0.5 \cos 2nx$. *Journal of Computational Physics*, 94(2):487–493, June 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190232A`.

Kobayashi:1999:CPF

[Kob99] Marcelo H. Kobayashi. On a class of Padé finite volume methods. *Journal of Computational Physics*, 156(1):137–180, November 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716

(electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199963763.

Kopriva:1990:MSS

[Kop90] David A. Kopriva. Multidomain spectral solution of the Euler gas-dynamics equations. *Journal of Computational Physics*, 91(2):497, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090059A.

Kopriva:1991:MSS

[Kop91] David A. Kopriva. Multidomain spectral solution of the Euler gas-dynamics equations. *Journal of Computational Physics*, 96(2):428–450, October 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190244F.

Kopriva:1994:MSS

[Kop94] David A. Kopriva. Multidomain spectral solution of compressible viscous flows. *Journal of Computational Physics*, 115(1):184–199, November 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711867.

Kopriva:1996:CSGb

[Kop96] David A. Kopriva. A conservative staggered-grid Chebyshev multidomain method for compressible flows. II. A semi-structured method. *Journal of Computational Physics*, 128(2):475–488, October 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196902259.

Kopriva:1998:SGM

[Kop98] David A. Kopriva. A staggered-grid multidomain spectral method for the compressible Navier–Stokes equations. *Journal of Computational Physics*, 143(1):125–158, June 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959563.

Koren:1990:MDC

[Kor90] Barry Koren. Multigrid and defect correction for the steady Navier–Stokes equations. *Journal of Computational Physics*,

87(1):25–46, March 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090223N`.

Kosower:1992:OEP

[Kos92] David A. Kosower. Octopus: An efficient phase space mapping for light particles. *Journal of Computational Physics*, 102(1):18–38, September 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999105800026`.

Kegley:1996:BSC

[KOS+96] D. R. Kegley, Jr., V. E. Oberacker, M. R. Strayer, A. S. Umar, and J. C. Wells. Basis spline collocation method for solving the Schrödinger equation in axillary symmetric systems. *Journal of Computational Physics*, 128(1):197–208, October 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919690203X`.

Koures:1996:SCS

[Kou96] Vasilios G. Koures. Solving the Coulomb Schrödinger equation in $d = 2 + 1$ via sinc collocation. *Journal of Computational Physics*, 128(1):1–5, October 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901916`.

Koumoutsakos:1997:IAE

[Kou97] P. Koumoutsakos. Inviscid axisymmetrization of an elliptical vortex. *Journal of Computational Physics*, 138(2):821–857, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957491`.

Keister:1997:UBP

[KP97a] B. D. Keister and W. N. Polyzou. Useful bases for problems in nuclear and particle physics. *Journal of Computational Physics*, 134(2):231–235, July 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956886`.

Kelecy:1997:DFS

[KP97b] F. J. Kelecy and R. H. Pletcher. The development of a free surface capturing approach for multidimensional free surface flows in closed containers. *Journal of Computational Physics*, 138(2):939–980, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958472`.

Kwak:1998:ATE

[KP98] S. Kwak and C. Pozrikidis. Adaptive triangulation of evolving, closed, or open surfaces by the advancing-front method. *Journal of Computational Physics*, 145(1):61–88, September 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960302`.

Knoll:1992:DNS

[KPC92] D. A. Knoll, A. K. Prinja, and R. B. Campbell. A direct Newton solver for the two-dimensional tokamak edge plasma fluid equations. *Journal of Computational Physics*, 102(2):424–425, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290391B`.

Knoll:1993:DNS

[KPC93] D. A. Knoll, A. K. Prinja, and R. B. Campbell. A direct Newton solver for the two-dimensional Tokamak edge plasma fluid equations. *Journal of Computational Physics*, 104(2):418–426, February 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710405`.

Khirwadkar:1997:DGC

[KPCJ97] S. S. Khirwadkar, P. S. Pathak, S. Chaturvedi, and P. I. John. 2-D guiding centre simulation of toroidal electron clouds. *Journal of Computational Physics*, 132(2):291–298, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956363`.

Kobayashi:1999:CFV

[KPP99] Marcelo H. Kobayashi, José M. C. Pereira, and José C. F. Pereira. A conservative finite-volume second-order-accurate

projection method on hybrid unstructured grids. *Journal of Computational Physics*, 150(1):40–75, March 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961630`.

Karur:1995:OCN

[KR95] Sriganesh R. Karur and P. A. Ramachandran. Orthogonal collocation in the nonconforming boundary element method. *Journal of Computational Physics*, 121(2):373–382, October 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999195902384`.

Kremeyer:1998:CAI

[Kre98] Kevin Kremeyer. Cellular automata investigations of binary solidification. *Journal of Computational Physics*, 142(1):243–262, May 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959265`.

Korosmezey:1993:TGD

[KRGv93] Á. Körösmezey, C. E. Rasmussen, T. I. Gombosi, and Bram vanLeer. Transport of gyration-dominated space plasmas of thermal origin 2: Numerical solution. *Journal of Computational Physics*, 109(1):16–29, November 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711952`.

Kylling:1992:EYA

[KS92] Arve Kylling and Knut Stamnes. Efficient yet accurate solution of the linear transport equation in the presence of internal sources: The exponential-linear-in-depth approximation. *Journal of Computational Physics*, 102(2):265–276, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192903715`.

Klibanov:1994:UPK

[KS94] Michael V. Klibanov and Paul E. Sacks. Use of partial knowledge of the potential in the phase problem of inverse scattering. *Journal of Computational Physics*, 112(2):273–281, June 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999184710990.

Kale:1999:NGS

[KSB+99] Laxmikant Kalé, Robert Skeel, Milind Bhandarkar, Robert Brunner, Attila Gursoy, Neal Krawetz, James Phillips, Aritomo Shinozaki, Krishnan Varadarajan, and Klaus Schulten. NAMD2: Greater scalability for parallel molecular dynamics. *Journal of Computational Physics*, 151(1):283–312, May 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199962010.

Kurki-Suonio:1990:TMO

[KST90] T. Kurki-Suonio and T. Tajima. Transport model of optical beams in a plasma. *Journal of Computational Physics*, 90(1): 268, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090211I.

Kurki-Suonio:1991:TMO

[KST91] T. Kurki-Suonio and T. Tajima. Transport model of optical beams in a plasma. *Journal of Computational Physics*, 94(1): 186–200, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999191901428.

Koga:1995:ABD

[KT95] J. K. Koga and T. Tajima. The δf algorithm for beam dynamics. *Journal of Computational Physics*, 116(2):314–329, February 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185710303.

Kloucek:1999:TDN

[KT99] Petr Kloucek and Frank R. Toffoletto. The three dimensional non-conforming finite element solution of the Chapman–Ferraro problem. *Journal of Computational Physics*, 150(2):549–560, April 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919996206X.

Kosloff:1993:MCP

[KTE93] Dan Kosloff and Hillel Tal-Ezer. A modified Chebyshev pseudospectral method with an $O(N^{-1})$ time step restriction. *Journal of Computational Physics*, 104(2):457–469, February 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710442`.

Korivi:1994:AFI

[KTN+94] Vamshi Mohan Korivi, Arthur C. Taylor III, Perry A. Newman, Gene W. Hou, and Henry E. Jones. An approximately factored incremental strategy for calculating consistent discrete aerodynamic sensitivity derivatives. *Journal of Computational Physics*, 113(2):336–346, August 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711405`.

Kollar:1994:GFS

[KU94] J. Kollár and B. Ujfalussy. General formulas for the Slater–Koster tables. *Journal of Computational Physics*, 110(1):187–189, January 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918471014X`.

Ku:1995:SFC

[Ku95] Hwar-Ching Ku. Solution of flow in complex geometries by the pseudospectral element method. *Journal of Computational Physics*, 117(2):215–227, March 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710601`.

Kuhl:1996:MCS

[Kuh96] Nelson M. Kuhl. Monte Carlo simulation of transport. *Journal of Computational Physics*, 129(1):170–180, November 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902417`.

Kulikovsky:1995:MAS

[Kul95] A. A. Kulikovsky. A more accurate Scharfetter–Gummel algorithm of electron transport for semiconductor and gas discharge

simulation. *Journal of Computational Physics*, 119(1):149–155, June 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711230`.

Kupferman:1998:SVF

[Kup98] Raz Kupferman. Simulation of viscoelastic fluids: Couette–Taylor flow. *Journal of Computational Physics*, 147(1):22–59, November 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959344`.

Kooper:1995:AIU

[KvdVPG95] M. N. Kooper, H. A. van der Vorst, S. Poedts, and J. P. Goedbloed. Application of the implicitly updated Arnoldi method with a complex shift-and-invert strategy in MHD. *Journal of Computational Physics*, 118(2):320–328, May 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711023`.

Khalil:1992:VCC

[KW92] M. Khalil and P. Wesseling. Vertex-centered and cell-centered multigrid for interface problems. *Journal of Computational Physics*, 98(1):1–10, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290168X`.

Koomullil:1993:NMA

[KW93] G. P. Koomullil and Z. U. A. Warsi. Numerical mapping of arbitrary domains using spectral methods. *Journal of Computational Physics*, 104(1):251–262, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710247`.

Kreitmeier:1994:CSC

[KWG94] S. Kreitmeier, M. Wittkop, and D. Göritz. Computer simulation of coil deformation. *Journal of Computational Physics*, 112(2):267–272, June 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710989`.

Kreitmeier:1997:LSS

[KWT+97] Stefan Kreitmeier, Markus Wittkop, Hans L. Trautenberg, Thomas Hölzl, and Dietmar Göritz. Large-scale simulations on polymer melts. *Journal of Computational Physics*, 133(1):181–185, May 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956503`.

Lohner:1990:VPTb

[LA90] Rainald Löhner and John Ambrosiano. A vectorized particle tracer for unstructured grids. *Journal of Computational Physics*, 91(1):22–31, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090002I`.

Lippert:1998:MCI

[LAE98] Ross A. Lippert, T. A. Arias, and Alan Edelman. Multiscale computation with interpolating wavelets. *Journal of Computational Physics*, 140(2):278–310, March 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198958855`.

Langdon:1997:ICC

[Lan97] A. Bruce Langdon. Introduction to "Clouds-in-Clouds, Clouds-in-Cells Physics for Many-Body Simulation". *Journal of Computational Physics*, 135(2):139–140, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957636`.

Larrouturou:1991:HPM

[Lar91] B. Larrouturou. How to preserve the mass fractions positivity when computing compressible multi-component flows. *Journal of Computational Physics*, 95(1):59–84, July 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190253H`.

Lavery:1990:CSO

[Lav90] John E. Lavery. Calculation of shocked one-dimensional flows on abruptly changing grids by mathematical programming. *Jour-*

nal of Computational Physics, 86(1):1–17, January 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090089J`.

Lavery:1993:CCD

[Lav93] John E. Lavery. Capturing contact discontinuities in steady-state conservation laws. *Journal of Computational Physics*, 108(1):59–72, September 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711630`.

Lax:1997:IHR

[Lax97] Peter Lax. Introduction to "High Resolution Schemes for Hyperbolic Conservation Laws". *Journal of Computational Physics*, 135(2):259, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957259`.

Layton:1990:PAD

[Lay90] William Layton. On the principal axes of diffusion in difference schemes for 2d transport problems. *Journal of Computational Physics*, 90(2):336–347, October 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190901706`.

Langnau:1993:PTL

[LB93] Alex Langnau and Stanley J. Brodsky. Perturbation theory in light-cone quantization. *Journal of Computational Physics*, 109(1):84–92, November 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183712015`.

Lapenta:1994:DSC

[LB94] Giovanni Lapenta and Jeremiah U. Brackbill. Dynamic and selective control of the number of particles in kinetic plasma simulations. *Journal of Computational Physics*, 115(1):213–227, November 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711880`.

LeProvost:1994:CTN

[LBB94] Christian LeProvost, Christine Bernier, and Eric Blayo. A comparison of two numerical methods for integrating a quasi-geostrophic multilayer model of ocean circulations: Finite element and finite difference methods. *Journal of Computational Physics*, 110(2):341–359, February 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918471031X`.

Leforestier:1991:CDP

[LBC+91] C. Leforestier, R. H. Bisseling, C. Cerjan, M. D. Feit, R. Friesner, A. Guldberg, A. Hammerich, G. Jolicard, W. Karrlein, H.-D Meyer, N. Lipkin, O. Roncero, and R. Kosloff. A comparison of different propagation schemes for the time dependent Schrödinger equation. *Journal of Computational Physics*, 94(1):59–80, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190137A`.

Lang:1993:NTB

[LBC+93] Andreas Lang, Hans Babovsky, Wolfgang Cassing, Ulrich Mosel, Hans-Georg Reusch, and Klaus Weber. A new treatment of Boltzmann-like collision integrals in nuclear kinetic equations. *Journal of Computational Physics*, 106(2):391–396, June 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711162`.

Luo:1998:FMF

[LBL98] Hong Luo, Joseph D. Baum, and Rainald Löhner. A fast, matrix-free implicit method for compressible flows on unstructured grids. *Journal of Computational Physics*, 146(2):664–690, November 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960764`.

Lee:1996:ISS

[LCM96] C. K. B. Lee, R. C. Crawford, and J. M. McDonough. Improved solutions to the small strain continuum equations using a modified Engquist filter. *Journal of Computational Physics*, 123(1):119–126, January 1996. CODEN

JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900108.

Legras:1993:CCS

[LD93] Bernard Legras and David G. Dritschel. A comparison of the contour surgery and pseudo-spectral methods. *Journal of Computational Physics*, 104(2):287–302, February 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183710314.

Lambert:1996:MBA

[LDB96] Christophe G. Lambert, Thomas A. Darden, and John A. Board, Jr. A multipole-based algorithm for efficient calculation of forces and potentials in macroscopic periodic assemblies of particles. *Journal of Computational Physics*, 126(2):274–285, July 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901370.

Lou:1998:NSC

[LDB98] T. Lou, D. C. Dahlby, and D. Baganoff. A numerical study comparing kinetic flux-vector splitting for the Navier–Stokes equations with a particle method. *Journal of Computational Physics*, 145(2):489–510, September 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960405.

Li:1990:BES

[LE90] B. Q. Li and J. W. Evans. Boundary element solution of heat convection-diffusion problems. *Journal of Computational Physics*, 89(1):254, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090137P.

Li:1991:BES

[LE91] B. Q. Li and J. W. Evans. Boundary element solution of heat convection-diffusion problems. *Journal of Computational Physics*, 93(2):255–272, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190181J.

Leboucher:1999:MSB

[Leb99] L. Leboucher. Monotone scheme and boundary conditions for finite volume simulation of magnetohydrodynamic internal flows at high Hartmann number. *Journal of Computational Physics*, 150(1):181–198, March 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961708`.

Lee:1998:DCL

[Lee98a] Dohyung Lee. Design criteria for local Euler preconditioning. *Journal of Computational Physics*, 144(2):423–459, August 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959939`.

Lee:1998:DLN

[Lee98b] Dohyung Lee. The design of local Navier–Stokes preconditioning for compressible flow. *Journal of Computational Physics*, 144(2):460–483, August 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959940`.

Lehner:1999:DAW

[Leh99] Luis Lehner. A dissipative algorithm for wave-like equations in the characteristic formulation. *Journal of Computational Physics*, 149(1):59–74, February 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919896137X`.

Lesnic:1996:ITC

[LEI96] D. Lesnic, L. Elliott, and D. B. Ingham. Identification of the thermal conductivity and heat capacity in unsteady nonlinear heat conduction problems using the boundary element method. *Journal of Computational Physics*, 126(2):410–420, July 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901461`.

Lele:1992:CFD

[Lel92] Sanjiva K. Lele. Compact finite difference schemes with spectral-like resolution. *Journal of Computational Physics*, 103(1):16–42,

November 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290324R.

LeVeque:1997:WPA

[LeV97] Randall J. LeVeque. Wave propagation algorithms for multidimensional hyperbolic systems. *Journal of Computational Physics*, 131(2):327–353, March 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919695603X.

LeVeque:1998:BST

[LeV98] Randall J. LeVeque. Balancing source terms and flux gradients in high-resolution Godunov methods: The quasi-steady wave-propagation algorithm. *Journal of Computational Physics*, 146(1):346–365, October 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960582.

Lou:1996:PIF

[LF96] John Z. Lou and Robert Ferraro. A parallel incompressible flow solver package with a parallel multigrid elliptic kernel. *Journal of Computational Physics*, 125(1):225–243, April 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919690090X.

Lawson:1990:HFB

[LG90] William S. Lawson and Perry C. Gray. Heat flow between species in one-dimensional particle plasma simulations. *Journal of Computational Physics*, 91(1):252, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090025V.

Lawson:1991:HFB

[LG91] William S. Lawson and Perry C. Gray. Heat flow between species in one-dimensional particle plasma simulations. *Journal of Computational Physics*, 95(1):195–211, July 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190259N.

Lyard:1994:OMB

[LG94] F. Lyard and M. L. Genco. Optimisation methods for bathymetry and open boundary conditions in a finite element model of ocean tides. *Journal of Computational Physics*, 114(2):234–256, October 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999108800010`.

Laboudigue:1992:NSF

[LGC92] Bruno Laboudigue, Vincent Giovangigli, and Sébastien Candel. Numerical solution of a free-boundary problem in hypersonic flow theory: Nonequilibrium viscous shock layers. *Journal of Computational Physics*, 102(2):297–309, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192903737`.

Loh:1990:NLM

[LH90] C. Y. Loh and W. H. Hui. A new Lagrangian method for steady supersonic flow computation I. Godunov scheme. *Journal of Computational Physics*, 89(1):207–240, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090123I`.

Lee:1992:RDS

[LH92] D. K. Lee and S. P. Hirshman. Rapid determination of a straight magnetic coordinate system for stellarator configurations. *Journal of Computational Physics*, 101(2):330–333, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290010V`.

Lepage:1995:SAG

[LH95] C. Y. Lepage and W. H. Hui. A shock-adaptive Godunov scheme based on the generalised Lagrangian formulation. *Journal of Computational Physics*, 122(2):291–299, December 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185712144`.

Lee:1990:STD

[LHI90] Min Eig Lee, S. I. Hariharan, and Nathan Ida. Solving time-dependent two-dimensional eddy current problems. *Journal*

of Computational Physics, 89(2):319–348, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090147S.

Li:1997:WEH

[Li97] Yuguo Li. Wavenumber-extended high-order upwind-biased finite-difference schemes for convective scalar transport. *Journal of Computational Physics*, 133(2):235–255, May 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197956497.

Liffman:1992:DSM

[Lif92] Kurt Liffman. A direct simulation Monte–Carlo method for cluster coagulation. *Journal of Computational Physics*, 100(1):116–127, May 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290314O.

Liffman:1996:CCS

[Lif96] Kurt Liffman. Comments on a collocation spectral solver for the Helmholtz equation. *Journal of Computational Physics*, 128(1):254–258, October 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196902077.

Levin:1997:SFP

[LIH97] Julia G. Levin, Mohamed Iskandarani, and Dale B. Haidvogel. A spectral filtering procedure for eddy-resolving simulations with a spectral element ocean model. *Journal of Computational Physics*, 137(1):130–154, October 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197957971.

Lilly:1997:ICD

[Lil97] Douglas K. Lilly. Introduction to "Computational Design for Long-Term Numerical Integration of the Equations of Fluid Motion: Two-Dimensional Incompressible Flow. Part I". *Journal of Computational Physics*, 135(2):101–102, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197957223.

Lin:1995:DAF

[Lin95] Hong-Chia Lin. Dissipation additions to flux-difference splitting. *Journal of Computational Physics*, 117(1):20–27, March 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710406`.

Liou:1995:ELM

[Lio95] Meng-Sing Liou. An extended Lagrangian method. *Journal of Computational Physics*, 118(2):294–309, May 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918571100X`.

Liou:1996:SAA

[Lio96] Meng-Sing Liou. A sequel to AUSM: AUSM$^+$. *Journal of Computational Physics*, 129(2):364–382, December 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902569`.

Liu:1996:SAB

[Liu96a] Jun Liu. A stability analysis on Beck's procedure for inverse heat conduction problems. *Journal of Computational Physics*, 123(1):65–73, January 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900054`.

Liu:1996:FAN

[Liu96b] Yen Liu. Fourier analysis of numerical algorithms for the Maxwell equations. *Journal of Computational Physics*, 124(2):396–416, March 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900686`.

Li:1996:NST

[LJG96] X. L. Li, B. X. Jin, and J. Glimm. Numerical study for the three-dimensional Rayleigh–Taylor instability through the TVD/AC scheme and parallel computation. *Journal of Computational Physics*, 126(2):343–355, July 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901424`.

Lu:1992:HCGa

[LJT92a] I.-Tai Lu, H. K. Jung, and C. M. Tsai. Hybrid combinations of global and local operators for solving Helmholtz and Poisson equations. *Journal of Computational Physics*, 101(2):452, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290026U`.

Lu:1992:HCGb

[LJT92b] I-Tai Lu, H. K. Jung, and C. M. Tsai. Hybrid combinations of global and local operators for solving Helmholtz and Poisson equations. *Journal of Computational Physics*, 103(2):390–401, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290410Z`.

Lee:1990:NAS

[LK90] Hyuk Lee and In Seok Kang. Neural algorithm for solving differential equations. *Journal of Computational Physics*, 91(1):110–131, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090007N`.

Li:1994:EMD

[LK94a] Tsung L. Li and Kelin J. Kuhn. Effects of mass discontinuity on the numerical solutions to quantum wells using the effective mass equation. *Journal of Computational Physics*, 110(2):292–300, February 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710266`.

Li:1994:FES

[LK94b] Tsung L. Li and Kelin J. Kuhn. Finite element solutions to GaAs–AlAs quantum wells with connection matrices at heterojunctions. *Journal of Computational Physics*, 115(2):288–295, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918471196X`.

Liu:1998:NSI

[LK98] H. Liu and K. Kawachi. A numerical study of insect flight. *Journal of Computational Physics*, 146(1):124–156, October 10,

1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960193.

Liu:1999:NSU

[LK99] H. Liu and K. Kawachi. A numerical study of undulatory swimming. *Journal of Computational Physics*, 155(2):223–247, November 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199963416.

Ley-Koo:1990:NME

[LKB90] E. Ley-Koo and Carlos F. Bunge. New method to evaluate atomic electron-repulsion integrals. *Journal of Computational Physics*, 91(1):240–245, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090013Q.

Lomtev:1999:DGA

[LKK99] I. Lomtev, R. M. Kirby, and G. E. Karniadakis. A discontinuous Galerkin ALE method for compressible viscous flows in moving domains. *Journal of Computational Physics*, 155(1):128–159, October 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199963313.

Landl:1990:DET

[LKLE90] Gerhard Landl, F. Kauffmann, Thomas Langthaler, and Heinz W. Engi. Distribution of event times in time-resolved fluorescence: the exponential series approach — algorithm, regularization, analysis. *Journal of Computational Physics*, 90(1): 269, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090214L.

Lerbinger:1991:NSI

[LL91] K. Lerbinger and J. F. Luciani. A new semi-implicit method for MHD computations. *Journal of Computational Physics*, 97(2):444–459, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999191900089.

Lyster:1992:FIPa

[LL92a] P. M. Lyster and J.-N Leboeuf. A fluid-ion and particle-electron model for low-frequency plasma instabilities. *Journal of Computational Physics*, 101(1):227, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192900565`.

Lyster:1992:FIPb

[LL92b] P. M. Lyster and J.-N. Leboeuf. A fluid-ion and particle-electron model for low-frequency plasma instabilities. *Journal of Computational Physics*, 102(1):180–193, September 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999105800142`.

Liu:1993:HOF

[LL93a] C. Liu and Z. Liu. High order finite difference and multigrid methods for spatially evolving instability in a planar channel. *Journal of Computational Physics*, 106(1):92–100, May 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710934`.

Loh:1993:LSS

[LL93b] Ching-Yuen Loh and Meng-Sing Liou. Lagrangian solution of supersonic real gas flows. *Journal of Computational Physics*, 104(1):150–161, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918371017X`.

Loh:1994:NLM

[LL94] Ching-Yuen Loh and Meng-Sing Liou. A new Lagrangian method for three-dimensional steady supersonic flows. *Journal of Computational Physics*, 113(2):224–248, August 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711326`.

Liu:1995:MMB

[LL95] Chaoqun Liu and Zhining Liu. Multigrid mapping and box relaxation for simulation of the whole process of flow transition in

3D boundary layers. *Journal of Computational Physics*, 119(2): 325–341, July 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711382`.

Liang:1996:FVN

[LL96] M. C. Liang and C. W. Lan. A finite-volume/Newton method for a two-phase heat flow problem using primitive variables and collocated grids. *Journal of Computational Physics*, 127(2):330–345, September 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901795`.

Lan:1999:MMI

[LL99] C. W. Lan and M. C. Liang. Multigrid methods for incompressible heat flow problems with an unknown interface. *Journal of Computational Physics*, 152(1):55–77, June 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962344`.

Lappas:1992:ALM

[LLD92] Tasso Lappas, Anthony Leonard, and Paul E. Dimotakis. An adaptive Lagrangian method for computing 1D reacting and non-reacting flows. *Journal of Computational Physics*, 102(2): 424, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290389G`.

Lappas:1993:ALM

[LLD93] Tasso Lappas, Anthony Leonard, and Paul E. Dimotakis. An adaptive Lagrangian method for computing 1D reacting and non-reacting flows. *Journal of Computational Physics*, 104(2):361–376, February 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710375`.

Landl:1991:DET

[LLEK91] Gerhard Landl, Thomas Langthaler, Heinz W. Englt, and Harald F. Kauffmann. Distribution of event times in time-resolved fluorescence: The exponential series approach-algorithm, regularization, analysis. *Journal of Computational Physics*, 95(1): 1–28, July 1991. CODEN JCTPAH. ISSN 0021-9991 (print),

1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999191902500.

Lough:1998:EBI

[LLK98] M. F. Lough, S. H. Lee, and J. Kamath. An efficient boundary integral formulation for flow through fractured porous media. *Journal of Computational Physics*, 143(2):462–483, July 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198958582.

Lewis:1999:LSQ

[LLLY99] James P. Lewis, Shubin Liu, Tai-Sung Lee, and Weitao Yang. A linear-scaling quantum mechanical investigation of cytidine deaminase. *Journal of Computational Physics*, 151(1):242–263, May 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199962198.

Leyman:1994:ICP

[LLR94] Vladimir G. Leyman, Svetlana P. Litvintseva, and Igor D. Rodionov. Investigation of charged particle beam stability: Numerical method and physical results. *Journal of Computational Physics*, 115(1):86–106, November 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711806.

Liu:1994:NCC

[LLT94] Yingjie Liu, Lixin Liu, and Tao Tang. The numerical computation of connecting orbits in dynamical systems: a rational spectral approach. *Journal of Computational Physics*, 111(2):373–380, April 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184710709.

Le:1990:IFS

[LM90a] Hung Le and Parviz Moin. An improvement of fractional-step methods for the incompressible Navier–Stokes equations. *Journal of Computational Physics*, 89(1):253, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090134M.

Lee:1990:MFE

[LM90b] Robert L. Lee and Niel K. Madsen. A mixed finite element formulation for Maxwell's equations in the time domain. *Journal of Computational Physics*, 88(2):284–304, June 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090181Y`.

Li:1990:BAM

[LM90c] Zi-Cai Li and Rudolf Mathon. Boundary approximation methods for solving elliptic problems on unbounded domains. *Journal of Computational Physics*, 89(2):414–431, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090150Y`.

Le:1991:IFS

[LM91] Hung Le and Parviz Moin. An improvement of fractional step methods for the incompressible Navier–Stokes equations. *Journal of Computational Physics*, 92(2):369–379, February 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191902157`.

Luchini:1992:FCM

[LM92] P. Luchini and F. Manzo. A fast conformal mapping algorithm with no FFT. *Journal of Computational Physics*, 101(2):368–374, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290014P`.

Lee:1995:INF

[LM95] C. K. B. Lee and J. M. McDonough. Implementation of a nonlinear filter with a Lagrangian formulation for the treatment of very high pressure reflected shocks. *Journal of Computational Physics*, 117(2):289–299, March 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710674`.

LeTallec:1997:CBN

[LM97] Patrick Le Tallec and François Mallinger. Coupling Boltzmann and Navier–Stokes equations by half fluxes. *Journal of*

Computational Physics, 136(1):51–67, September 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957296`.

Liu:1994:ILM

[LMB94] F. Liu, A. C. McIntosh, and J. Brindley. An implicit Lagrangian method for solving one- and two-dimensional gasdynamic equations. *Journal of Computational Physics*, 110(1):112–133, January 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710096`.

Lionello:1999:SAW

[LML99] Roberto Lionello, Zoran Mikić, and Jon A. Linker. Stability of algorithms for waves with large flows. *Journal of Computational Physics*, 152(1):346–358, June 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962502`.

LeQuere:1992:CCAa

[LMP92a] P. Le Quéré, R. Masson, and P. Perrot. A Chebyshev collocation algorithm for 2-D non-Boussinesq convection. *Journal of Computational Physics*, 101(1):229, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192900716`.

LeQuere:1992:CCAb

[LMP92b] P. Le Quéré, R. Masson, and P. Perrot. A Chebyshev collocation algorithm for 2D non-Boussinesq convection. *Journal of Computational Physics*, 103(2):320–335, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290404M`.

Lionello:1998:MSC

[LMS98] Roberto Lionello, Zoran Mikić, and Dalton D. Schnack. Magnetohydrodynamics of solar coronal plasmas in cylindrical geometry. *Journal of Computational Physics*, 140(1):172–201, February 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198958417`.

Lange:1999:SCT

[LNR99] U. Lange, K. Nandakumar, and H. Raszillier. Symbolic computation as a tool for high-order long-wave stability analysis of thin film flows with coupled transport processes. *Journal of Computational Physics*, 150(1):1–16, March 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961605`.

Lafaurie:1994:MMF

[LNS+94] Bruno Lafaurie, Carlo Nardone, Ruben Scardovelli, Stéphane Zaleski, and Gianluigi Zanetti. Modelling merging and fragmentation in multiphase flows with SURFER. *Journal of Computational Physics*, 113(1):134–147, July 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711235`.

Lafon:1991:HOFa

[LO91a] F. Lafon and S. Osher. High order filtering methods for approximating hyperbolic systems for conservation laws. *Journal of Computational Physics*, 93(1):250–251, March 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190083W`.

Lafon:1991:HOFb

[LO91b] F. Lafon and S. Osher. High order filtering methods for approximating hyperbolic systems of conservation laws. *Journal of Computational Physics*, 96(1):110–142, September 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190268P`.

Lucas:1993:MAM

[LO93] T. R. Lucas and H. S. Oh. The method of auxiliary mapping for the finite element solutions of elliptic problems containing singularities. *Journal of Computational Physics*, 108(2):327–342, October 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711861`.

Lafon:1996:HOT

[LO96] F. Lafon and S. Osher. High order two dimensional nonoscillatory methods for solving Hamilton–Jacobi scalar equations. *Journal of Computational Physics*, 123(2):235–253, February 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900212`.

Liu:1998:CEH

[LO98] Xu-Dong Liu and Stanley Osher. Convex ENO high order multi-dimensional schemes without field by field decomposition or staggered grids. *Journal of Computational Physics*, 142(2):304–330, May 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919895937X`.

Liu:1994:WEN

[LOC94] Xu-Dong Liu, Stanley Osher, and Tony Chan. Weighted essentially non-oscillatory schemes. *Journal of Computational Physics*, 115(1):200–212, November 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711879`.

Loewenthal:1993:ILS

[Loe93] Dan Loewenthal. Improvements on the Lehmer–Schur root detection method. *Journal of Computational Physics*, 109(2):164–168, December 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918371209X`.

Lohner:1990:VPTa

[Löh90] Rainald Löhner. A vectorized particle tracer for unstructured grids. *Journal of Computational Physics*, 87(2):496, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190902734`.

Lohner:1995:RVS

[Löh95] Rainald Löhner. Robust, vectorized search algorithms for Interpolation on unstructured grids. *Journal of Computational Physics*, 118(2):380–387, May 1995. CODEN JCTPAH. ISSN

0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185711072.

Lohner:1996:RST

[Löh96] Rainald Löhner. Regridding surface triangulations. *Journal of Computational Physics*, 126(1):1–10, June 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901151.

Lotstedt:1994:ICS

[Löt94] Per Lötstedt. Improved convergence to the steady state of the Euler equations by enhanced wave propagation. *Journal of Computational Physics*, 114(1):34–44, September 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711478.

Luppi:1990:SCA

[LP90] Jussi Luppi and Petri Pajunen. Symbolic computation and automatic FORTRAN code generation for eigenvalue determination by phase integral method. *Journal of Computational Physics*, 88 (1):15–30, May 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190902402.

Li:1997:MMM

[LP97] Shengtai Li and Linda Petzold. Moving mesh methods with upwinding schemes for time-dependent PDEs. *Journal of Computational Physics*, 131(2):368–377, March 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196956119.

Lagaris:1996:RMN

[LPBS96] I. E. Lagaris, D. G. Papageorgiou, M. Braun, and S. A. Sofianos. A relaxation method for nonlocal and non-Hermitian operators. *Journal of Computational Physics*, 126(1):229–236, June 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919690131X.

Libersky:1993:HSL

[LPC+93] Larry D. Libersky, Albert G. Petschek, Theodore C. Carney, Jim R. Hipp, and Firooz A. Allahdadi. High strain Lagrangian hydrodynamics: a three-dimensional SPH code for dynamic material response. *Journal of Computational Physics*, 109(1):67–75, November 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918371199X`.

Labik:1994:EGN

[LPMS94] Stanislav Labík, Roman Pospísil, Anatol Malijevský, and William Robert Smith. An efficient Gauss–Newton-like method for the numerical solution of the Ornstein–Zernike integral equation for a class of fluid models. *Journal of Computational Physics*, 115(1):12–21, November 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711740`.

Lynch:1999:KBT

[LPP99] Gillian C. Lynch, John S. Perkyns, and B. Montgomery Pettitt. Kirkwood–Buff thermodynamics derived from grand canonical molecular dynamics and DRISM calculations. *Journal of Computational Physics*, 151(1):135–145, May 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961836`.

Lubachevsky:1996:CPB

[LPR96] Boris D. Lubachevsky, Vladimir Privman, and Subhas C. Roy. Casting pearls ballistically: Efficient massively parallel simulation of particle deposition. *Journal of Computational Physics*, 126(1):152–164, June 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901278`.

Levy:1993:URR

[LPvL93] David W. Levy, Kenneth G. Powell, and Bram van Leer. Use of a rotated Riemann solver for the two-dimensional Euler equations. *Journal of Computational Physics*, 106(2):201–214, June 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716

(electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183711034.

Lomtev:1998:SHM

[LQK98] I. Lomtev, C. B. Quillen, and G. E. Karniadakis. Spectral/hp methods for viscous compressible flows on unstructured 2D meshes. *Journal of Computational Physics*, 144(2):325–357, August 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197958319.

Lu:1990:DVN

[LR90] Zhi Yun Lu and Timothy J. Ross. Diffusing-vortex numerical scheme for solving incompressible Navier–Stokes equations. *Journal of Computational Physics*, 91(1):250–251, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090021R.

Lu:1991:DVN

[LR91] Zhi Yun Lu and Timothy J. Ross. Diffusing-vortex numerical scheme for solving incompressible Navier–Stokes equations. *Journal of Computational Physics*, 95(2):400–435, August 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190283Q.

Lindsay:1992:NCM

[LR92] K. A. Lindsay and C. E. Rooney. A note on compound matrices. *Journal of Computational Physics*, 103(2):472–477, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290417W.

Lowrie:1994:NSC

[LR94] R. B. Lowrie and P. L. Roe. On the numerical solution of conservation laws by minimizing residuals. *Journal of Computational Physics*, 113(2):304–308, August 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711375.

Linde:1998:MNP

[LR98] Timur Linde and Philip Roe. On a mistaken notion of "proper upwinding". *Journal of Computational Physics*, 142(2):611–614, May 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959502`.

Leforestier:1990:CDP

[LRB+90] C. Leforestier, O. Roncero, R. Bisseling, C. Cerjan, M. D. Feit, R. Friesner, A. Guldberg, A. Hammerich, R. Kosloff, G. Jolicard, W. Karrlein, H.-D Meyer, and N. Lipkin. A comparison of different propagation schemes for the time-dependent Schrödinger equation. *Journal of Computational Physics*, 89(2):490–491, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090165W`.

Ly:1999:SPD

[LRJ+99] H. V. Ly, F. Reitich, M. R. Jolly, H. T. Banks, and K. Ito. Simulations of particle dynamics in magnetorheological fluids. *Journal of Computational Physics*, 155(1):160–177, October 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963350`.

Lustig:1995:TFM

[LRW95] Steven R. Lustig, Sanjeev Rastogi, and Norman Wagner. Telescoping fast multipole methods using Chebyshev economization. *Journal of Computational Physics*, 122(2):317–322, December 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918571217X`.

Lardner:1992:HSM

[LS92a] R. W. Lardner and Y. Song. A hybrid spectral method for the three-dimensional numerical modelling of nonlinear flows in shallow seas. *Journal of Computational Physics*, 100(2):322–334, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290239U`.

Leclercq:1992:CMM

[LS92b] M. P. Leclercq and B. Stoufflet. Characteristic multigrid method application to solve the Euler equations with unstructured and unnested grids. *Journal of Computational Physics*, 102(2):424, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290387E`.

Ling:1992:BCAa

[LS92c] F. H. Ling and G. Schmidt. Box-counting algorithm and dimensional analysis of a pulsar. *Journal of Computational Physics*, 98(2):348, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290159V`.

Ling:1992:BCAb

[LS92d] F. H. Ling and G. Schmidt. Box-counting algorithm and dimensional analysis of a pulsar. *Journal of Computational Physics*, 99(2):196–202, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192902019`.

Leclercq:1993:CMM

[LS93a] M. P. Leclercq and B. Stoufflet. Characteristic multigrid method application to solve the Euler equations with unstructured and unnested grids. *Journal of Computational Physics*, 104(2):329–346, February 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710351`.

Liou:1993:NFS

[LS93b] Meng-Sing Liou and Christopher J. Steffen, Jr. A new flux splitting scheme. *Journal of Computational Physics*, 107(1):23–39, July 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711228`.

Leimkuhler:1994:SNI

[LS94] Benedict J. Leimkuhler and Robert D. Skeel. Symplectic numerical integrators in constrained Hamiltonian systems. *Journal of Computational Physics*, 112(1):117–125, May 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999184710850.

LeVeque:1996:TDF

[LS96] Randall J. LeVeque and Keh-Ming Shyue. Two-dimensional front tracking based on high resolution wave propagation methods. *Journal of Computational Physics*, 123(2):354–368, February 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900297.

Lopez:1998:ESP

[LS98] J. M. Lopez and Jie Shen. An efficient spectral-projection method for the Navier–Stokes equations in cylindrical geometries: I. Axisymmetric cases. *Journal of Computational Physics*, 139(2):308–326, January 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197958721.

Lifschitz:1996:OIE

[LSB96] Alexander Lifschitz, W. Henry Suters, and J. Thomas Beale. The onset of instability in exact vortex rings with swirl. *Journal of Computational Physics*, 129(1):8–29, November 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196902302.

Labonia:1997:NSE

[LSLG97] G. Labonia, F. Stella, E. Leonardi, and G. Guj. A numerical study of the effect of free surface deformation on buoyancy and thermocapillary convection. *Journal of Computational Physics*, 132(1):34–50, March 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919695593X.

Lombardi:1999:TST

[LSRS99] James C. Lombardi, Jr., Alison Sills, Frederic A. Rasio, and Stuart L. Shapiro. Tests of spurious transport in smoothed particle hydrodynamics. *Journal of Computational Physics*, 152(2):687–735, July 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199962563.

Lee:1991:FET

[LT91] D. Lee and Y. M. Tsuei. A formula for estimation of truncation errors of convection terms in a curvilinear coordinate system. *Journal of Computational Physics*, 93(2):488, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190206Z`.

Lee:1992:FET

[LT92] D. Lee and Y. M. Tsuei. A formula for estimation of truncation errors of convection terms in a curvilinear coordinate system. *Journal of Computational Physics*, 98(1):90–100, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290175X`.

Lee:1993:HAG

[LT93] D. Lee and Y. M. Tsuei. A hybrid adaptive gridding procedure for recirculating fluid flow problems. *Journal of Computational Physics*, 108(1):122–141, September 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918371168X`.

Luchini:1996:DAN

[LT96] Paolo Luchini and Renato Tognaccini. Direction-adaptive nonreflecting boundary conditions. *Journal of Computational Physics*, 128(1):121–133, October 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901990`.

Lee:1993:BEM

[LTE93] S. H. Lee, D. W. Townley, and K. O. Eshun. A boundary element model of cathodic well casing protection. *Journal of Computational Physics*, 107(2):338–347, August 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711484`.

Lu:1999:OWL

[Lu99] Ya Yan Lu. One-way large range step methods for Helmholtz waveguides. *Journal of Computational Physics*, 152(1):231–250,

June 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199962435.

Lubachevsky:1991:HSB

[Lub91] Boris D. Lubachevsky. How to simulate billiards and similar systems. *Journal of Computational Physics*, 94(2):255–283, June 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999191902227.

Lubachevsky:1993:WAB

[Lub93] B. D. Lubachevsky. Which algorithm is better? *Journal of Computational Physics*, 105(2):369–370, April 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183710831.

Luchini:1990:DCM

[Luc90] Paolo Luchini. A deferred-correction multigrid algorithm based on a new smoother for the Navier–Stokes equations. *Journal of Computational Physics*, 89(1):251, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090128N.

Luchini:1991:DCM

[Luc91] Paolo Luchini. A deferred-correction multigrid algorithm based on a new smoother for the Navier–Stokes equations. *Journal of Computational Physics*, 92(2):349–368, February 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999191902146.

Luke:1999:FDM

[Luk99] Jonathan H. C. Luke. A finite difference method for dispersive linear waves with applications to simulating microwave pulses in water. *Journal of Computational Physics*, 148(1):199–226, January 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198961174.

Liu:1998:EIP

[LV98] Yen Liu and Marcel Vinokur. Exact integrations of polynomials and symmetric quadrature formulas over arbitrary polyhedral grids. *Journal of Computational Physics*, 140(1):122–147, February 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198958843`.

Liou:1990:SIF

[LVS90] Meng-Sing Liou, Bram Van Leer, and Jian-Shun Shuen. Splitting of inviscid fluxes for real gases. *Journal of Computational Physics*, 87(1):1–24, March 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090222M`.

Loffhagen:1994:NNB

[LW94] D. Loffhagen and R. Winkler. A new nonstationary Boltzmann solver in self-consistent modelling of discharge pumped plasmas for excimer lasers. *Journal of Computational Physics*, 112(1):91–101, May 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710837`.

Lang:1995:ADF

[LW95] Jens Lang and Artur Walter. An adaptive discontinuous finite element method for the transport equation. *Journal of Computational Physics*, 117(1):28–34, March 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710418`.

Lerat:1996:SCM

[LW96a] A. Lerat and Z. N. Wu. Stable conservative multidomain treatments for implicit Euler solvers. *Journal of Computational Physics*, 123(1):45–64, January 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900042`.

Lewandowski:1996:TEC

[LW96b] A. C. Lewandowski and T. M. Wilson. A technique for embedding clusters in ionic crystals using the GAUSSIAN 92 quantum chemical program. *Journal of Computational Physics*, 129(1):233–242,

November 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196902466.

Liska:1997:ACS

[LW97] Richard Liska and Burton Wendroff. Analysis and computation with stratified fluid models. *Journal of Computational Physics*, 137(1):212–244, October 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919795806X.

Lin:1993:UFV

[LWC93] San-Yih Lin, Tsuen-Muh Wu, and Yan-Shin Chin. Upwind finite-volume method with a triangular mesh for conservation laws. *Journal of Computational Physics*, 107(2):324–337, August 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183711472.

Lund:1998:GTI

[LWS98] Thomas S. Lund, Xiaohua Wu, and Kyle D. Squires. Generation of turbulent inflow data for spatially-developing boundary layer simulations. *Journal of Computational Physics*, 140(2):233–258, March 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919895882X.

Lee:1999:OAF

[LWT99] W. R. Lee, S. Wang, and K. L. Teo. An optimization approach to a finite dimensional parameter estimation problem in semiconductor device design. *Journal of Computational Physics*, 156(2):241–256, December 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199963581.

Xu:1996:CAC

[lX96] Yu lin Xu. Calculation of the addition coefficients in electromagnetic multisphere-scattering theory. *Journal of Computational Physics*, 127(2):285–298, September 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901758.

Xu:1997:CAC

[lX97] Yu lin Xu. Calculation of the addition coefficients in electromagnetic multisphere-scattering theory: Volume 127, number 2 (1996), pages 285–298. *Journal of Computational Physics*, 134 (1):200, June 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956874`.

Xu:1998:EEV

[lX98] Yu lin Xu. Efficient evaluation of vector translation coefficients in multiparticle light-scattering theories. *Journal of Computational Physics*, 139(1):137–165, January 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958678`.

Leveque:1990:SNM

[LY90a] R. J. Leveque and H. C. Yee. A study of numerical methods for hyperbolic conservation laws with stiff source terms. *Journal of Computational Physics*, 86(1):187–210, January 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090097K`.

Lin:1990:CST

[LY90b] San Yih Lin and Yisong Yang. Computation of superconductivity in thin films. *Journal of Computational Physics*, 89(2):257–275, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090144P`.

Lyard:1999:DAW

[Lya99] F. H. Lyard. Data assimilation in a wave equation: a variational representer approach for the Grenoble Tidal Model. *Journal of Computational Physics*, 149(1):1–31, February 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959666`.

Liu:1996:SCT

[LZ96] Feng Liu and Xiaoqing Zheng. A strongly coupled time-marching method for solving the Navier–Stokes and k–ω turbulence model equations with multigrid. *Journal of Com-*

putational Physics, 128(2):289–300, October 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902119`.

Li:1999:NSE

[LZG99] Zhilin Li, Hongkai Zhao, and Huajian Gao. A numerical study of electro-migration voiding by evolving level set functions on a fixed Cartesian grid. *Journal of Computational Physics*, 152(1):281–304, June 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962496`.

Liu:1998:PMM

[LZS98] C. Liu, X. Zheng, and C. H. Sung. Preconditioned multigrid methods for unsteady incompressible flows. *Journal of Computational Physics*, 139(1):35–57, January 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958599`.

Ma:1993:SEB

[Ma93a] Hong Ma. A spectral element basin model for the shallow water equations. *Journal of Computational Physics*, 109(1):133–149, November 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183712052`.

Moore:1993:VPP

[MA93b] R. E. M. Moore and I. O. Angell. Voronoi polygons and polyhedra. *Journal of Computational Physics*, 105(2):301–305, April 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710764`.

Mashayek:1995:SFM

[MA95] F. Mashayek and N. Ashgriz. A spine-flux method for simulating free surface flows. *Journal of Computational Physics*, 122(2):367–379, December 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185712223`.

Munipalli:1996:AGS

[MA96] Ramakanth Munipalli and Dale A. Anderson. An adaptive grid scheme using the boundary element method. *Journal of Computational Physics*, 127(2):452–463, September 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901862`.

Mahadevan:1998:MLR

[MA98] Amala Mahadevan and David Archer. Modeling a limited region of the ocean. *Journal of Computational Physics*, 145(2):555–574, September 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960417`.

Madsen:1995:DPD

[Mad95] Niel K. Madsen. Divergence preserving discrete surface integral methods for Maxwell's curl equations using non-orthogonal unstructured grids. *Journal of Computational Physics*, 119(1): 34–45, June 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918571114X`.

Mahesh:1998:FHO

[Mah98] Krishnan Mahesh. A family of high order finite difference schemes with good spectral resolution. *Journal of Computational Physics*, 145(1):332–358, September 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960223`.

Making:1990:CTD

[Mak90a] Junichiro Making. Comparison of two different tree algorithms. *Journal of Computational Physics*, 88(2):393–408, June 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190901865`.

Makino:1990:VT

[Mak90b] Junichiro Makino. Vectorization of a treecode. *Journal of Computational Physics*, 87(1):148–160, March 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/0021999190902310.

Makino:1999:YAF

[Mak99] Junichiro Makino. Yet another fast multipole method without multipoles—pseudoparticle multipole method. *Journal of Computational Physics*, 151(2):910–920, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199962265.

Malik:1990:NMH

[Mal90] M. R. Malik. Numerical methods for hypersonic boundary layer stability. *Journal of Computational Physics*, 86(2):376–413, February 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090106B.

Malara:1996:CPM

[Mal96a] Francesco Malara. A Chebyshev pseudospectral multidomain method for a boundary-layer problem. *Journal of Computational Physics*, 124(2):254–270, March 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900583.

Malevsky:1996:SCM

[Mal96b] Andrei V. Malevsky. Spline-characteristic method for simulation of convective turbulence. *Journal of Computational Physics*, 123(2):466–475, February 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900376.

Manke:1993:TPB

[Man93a] Joseph W. Manke. A tensor product B-spline method for numerical grid generation. *Journal of Computational Physics*, 108(1):15–26, September 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183711599.

Mann:1993:SPH

[Man93b] Patrick J. Mann. Smoothed particle hydrodynamics applied to relativistic spherical collapse. *Journal of Com-*

putational Physics, 107(1):188–198, July 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183711356.

Mao:1992:TDFb

[Mao92a] De-Kang Mao. A treatment of discontinuities for finite difference methods. *Journal of Computational Physics*, 103(2):359–369, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290407P.

Mao:1992:TDFa

[Mao92b] De-Kang Mao. A treatment of discontinuities for finite difference methods in the two-dimensional case. *Journal of Computational Physics*, 102(2):424, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290390K.

Marinos:1990:DMS

[Mar90] Aristides Th. Marinos. On a direct method for solving Helmholtz's type equations in 3-d rectangular regions. *Journal of Computational Physics*, 88(1):62–85, May 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090242S.

Marder:1993:EBI

[Mar93] Barry Marder. Eliminating boundary-induced errors in the pseudo-current method. *Journal of Computational Physics*, 104(1):273, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183710272.

Marinos:1994:NEC

[Mar94a] Aristides Th. Marinos. Numerical experiments on compact computational schemes for solving the first biharmonic problem in rectangles. *Journal of Computational Physics*, 115(2):406–422, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199918471206X.

Marx:1994:TIS

[Mar94b] Yves P. Marx. Time integration schemes for the unsteady incompressible Navier–Stokes equations. *Journal of Computational Physics*, 112(1):182–209, May 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710916`.

Margolin:1997:IAL

[Mar97] L. G. Margolin. Introduction to "An Arbitrary Lagrangian–Eulerian Computing Method for All Flow Speeds". *Journal of Computational Physics*, 135(2):198–202, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957272`.

Mott:1992:AST

[MAS92] Peter H. Mott, Ali S. Argon, and Ulrich W. Suter. The atomic strain tensor. *Journal of Computational Physics*, 101(1):140–150, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192900484`.

Masad:1996:ACE

[Mas96] J. A. Masad. Analysis and computation of extremum points with application to boundary-layer stability. *Journal of Computational Physics*, 127(2):464–472, September 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901874`.

Matthews:1994:CAM

[Mat94] Alan P. Matthews. Current advance method and cyclic leapfrog for 2D multispecies hybrid plasma simulations. *Journal of Computational Physics*, 112(1):102–116, May 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710849`.

Mattiussi:1997:AFV

[Mat97] Claudio Mattiussi. An analysis of finite volume, finite element, and finite difference methods using some concepts from algebraic topology. *Journal of Computational Physics*, 133(2):289–309, May 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print),

1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197956564.

Maury:1999:DSF

[Mau99] B. Maury. Direct simulations of 2D fluid-particle flows in biperiodic domains. *Journal of Computational Physics*, 156(2):325–351, December 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199963659.

Mavriplis:1990:AMG

[Mav90] Dimitri J. Mavriplis. Adaptive mesh generation for viscous flows using triangulation. *Journal of Computational Physics*, 90(2):271–291, October 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090167Y.

Mavriplis:1995:AFD

[Mav95] Dimitri J. Mavriplis. An advancing front Delaunay triangulation algorithm designed for robustness. *Journal of Computational Physics*, 117(1):90–101, March 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185710479.

Mavriplis:1998:MSV

[Mav98] D. J. Mavriplis. Multigrid strategies for viscous flow solvers on anisotropic unstructured meshes. *Journal of Computational Physics*, 145(1):141–165, September 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960363.

Mayo:1992:REVb

[May92a] Anita Mayo. The rapid evaluation of volume integrals of potential theory on general regions. *Journal of Computational Physics*, 99 (1):181, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290301E.

Mayo:1992:REVa

[May92b] Anita Mayo. The rapid evaluation of volume integrals of potential theory on general regions. *Journal of Computational Physics*, 100(2):236–245, June 1992. CODEN

JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290231M.

Mazzone:1994:MDS

[Maz94] A. M. Mazzone. Molecular dynamics simulations of the effects of damage relaxation following high-energy implants. *Journal of Computational Physics*, 112(2):247–252, June 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184710965.

Mazur:1997:CMD

[Maz97] Alexy K. Mazur. Common molecular dynamics algorithms revisited: Accuracy and optimal time steps of Störmer–leapfrog integrators. *Journal of Computational Physics*, 136(2):354–365, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197957405.

Moody:1992:CMF

[MB92] R. O. Moody and M. J. Baines. A constrained moving finite element solution of the one-dimensional oxygen diffusion with absorption problem. *Journal of Computational Physics*, 103(2):442–449, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290414T.

Mukhopadhyay:1994:SOA

[MB94] Supratik Mukhopadhyay and B. C. Basu. Second-order accurate no-slip conditions for solving problems of incompressible viscous flows. *Journal of Computational Physics*, 111(1):53–61, March 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184710436.

Mittal:1996:DNS

[MB96] R. Mittal and S. Balachandar. Direct numerical simulation of flow past elliptic cylinders. *Journal of Computational Physics*, 124(2):351–367, March 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900650.

Minion:1997:PUR

[MB97] Michael L. Minion and David L. Brown. Performance of under-resolved two-dimensional incompressible flow simulations, II. *Journal of Computational Physics*, 138(2):734–765, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958435`.

Malamataris:1999:CAA

[MB99] N. A. Malamataris and V. Bontozoglou. Computer aided analysis of viscous film flow along an inclined wavy Wall. *Journal of Computational Physics*, 154(2):372–392, September 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963192`.

Marksteiner:1994:NTE

[MBF94] P. Marksteiner, E. Badralexe, and A. J. Freeman. Neumann-type expansion of Coulomb functions. *Journal of Computational Physics*, 111(1):49–52, March 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710424`.

Micu:1997:NCC

[MBI+97] Alexandru M. Micu, Babak Bagheri, Andrew V. Ilin, Ridgway Scott, and B. Montgomery Pettitt. Numerical considerations in the computation of the electrostatic free energy of interaction within the Poisson–Boltzmann theory. *Journal of Computational Physics*, 136(2):263–271, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957077`.

Merriman:1994:MMJ

[MBO94] Barry Merriman, James K. Bence, and Stanley J. Osher. Motion of multiple junctions: a level set approach. *Journal of Computational Physics*, 112(2):334–363, June 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711053`.

Mulyarchik:1994:ECS

[MBP94] Stepan G. Mulyarchik, Stanislav S. Bielawski, and Andrew V. Popov. Efficient computational schemes of the conjugate gradient method for solving linear systems. *Journal of Computational Physics*, 110(2):201–211, February 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710187`.

Madabhushi:1993:DFC

[MBV93] Ravi K. Madabhushi, S. Balachandar, and S. P. Vanka. A divergence-free Chebyshev collocation procedure for incompressible flows with two non-periodic directions. *Journal of Computational Physics*, 105(2):199–206, April 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710685`.

Morokoff:1995:QMC

[MC95] William J. Morokoff and Russel E. Caflisch. Quasi-Monte Carlo integration. *Journal of Computational Physics*, 122(2):218–230, December 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185712090`.

Mascagni:1995:FHQ

[MCPR95] Michael Mascagni, Steven A. Cuccaro, Daniel V. Pryor, and M. L. Robinson. A fast, high quality, and reproducible parallel lagged-Fibonacci pseudorandom number generator. *Journal of Computational Physics*, 119(2):211–219, July 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711308`.

Mao:1990:MTB

[MD90] Zai-Sha Mao and A. E. Dukler. The motion of Taylor bubbles in vertical tubes. I. A numerical simulation for the shape and rise velocity of Taylor bubbles in stagnant and flowing liquid. *Journal of Computational Physics*, 91(1):132–160, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090008O`.

Malik:1995:IST

[MD95] Nadeem A. Malik and Th. Dracos. Interpolation schemes for three-dimensional velocity fields from scattered data using Taylor expansions. *Journal of Computational Physics*, 119(2):231–243, July 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711321`.

Machiels:1998:NSR

[MD98] L. Machiels and M. O. Deville. Numerical simulation of randomly forced turbulent flows. *Journal of Computational Physics*, 145(1):246–279, September 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960065`.

Mazur:1991:DTE

[MDA91] A. K. Mazur, V. E. Dorofeev, and R. A. Abagyan. Derivation and testing of explicit equations of motion for polymers described by internal coordinates. *Journal of Computational Physics*, 92(2):261–272, February 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190210C`.

Mahajan:1991:ECPa

[MDB91a] Aparajit J. Mahajan, Earl H. Dowell, and Donald B. Bliss. Eigenvalue calculation procedure for an Euler/Navier–Stokes solver with application to flows over airfoils. *Journal of Computational Physics*, 93(2):488, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191902072`.

Mahajan:1991:ECPb

[MDB91b] Aparajit J. Mahajan, Earl H. Dowell, and Donald B. Bliss. Eigenvalue calculation procedure for an Euler/Navier–Stokes solver with application to flows over airfoils. *Journal of Computational Physics*, 97(2):398–413, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191900067`.

Moulton:1998:BBM

[MDH98] J. David Moulton, Joel E. Dendy, Jr., and James M. Hyman. The black box multigrid numerical homogenization algorithm. *Journal of Computational Physics*, 142(1):80–108, May 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959113`.

Morel:1992:CCLa

[MDHW92a] J. E. Morel, J. E. Dendy, Jr., Michael L. Hall, and Stephen W. White. A cell-centered Lagrangian-mesh diffusion differencing scheme. *Journal of Computational Physics*, 101(1):229, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290069B`.

Morel:1992:CCLb

[MDHW92b] J. E. Morel, J. E. Dendy, Jr., Michael L. Hall, and Stephen W. White. A cell-centered Lagrangian-mesh diffusion differencing scheme. *Journal of Computational Physics*, 103(2):286–299, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290402K`.

Meister:1998:CDK

[Mei98] Andreas Meister. Comparison of different Krylov subspace methods embedded in an implicit finite volume scheme for the computation of viscous and inviscid flow fields on unstructured grids. *Journal of Computational Physics*, 140(2):311–345, March 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198958624`.

Melezhik:1991:NMS

[Mel91] V. S. Melezhik. New method for solving multidimensional scattering problem. *Journal of Computational Physics*, 92(1):67–81, January 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190292S`.

Moore:1992:ALO

[MF92] Peter K. Moore and Joseph E. Flaherty. Adaptive local overlapping grid methods for parabolic systems in two space dimen-

sions. *Journal of Computational Physics*, 98(1):54–63, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290172U`.

Morris:1997:MLR

[MFZ97] Joseph P. Morris, Patrick J. Fox, and Yi Zhu. Modeling low Reynolds number incompressible flows using SPH. *Journal of Computational Physics*, 136(1):214–226, September 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957764`.

Marshall:1996:MDV

[MG96] J. S. Marshall and J. R. Grant. A method for determining the velocity induced by highly anisotropic vorticity blobs. *Journal of Computational Physics*, 126(2):286–298, July 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901382`.

Marshall:1997:LVC

[MG97a] J. S. Marshall and J. R. Grant. A Lagrangian vorticity collocation method for viscous, axisymmetric flows with and without swirl. *Journal of Computational Physics*, 138(2):302–330, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958204`.

Muzaferija:1997:FVC

[MG97b] Samir Muzaferija and David Gosman. Finite-volume CFD procedure and adaptive error control strategy for grids of arbitrary topology. *Journal of Computational Physics*, 138(2):766–787, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958538`.

McKenney:1995:FPS

[MGM95] A. McKenney, L. Greengard, and A. Mayo. A fast Poisson solver for complex geometries. *Journal of Computational Physics*, 118(2):348–355, May 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711047`.

Mansutti:1991:DVP

[MGP91] D. Mansutti, G. Graziani, and R. Piva. A discrete vector potential model for unsteady incompressible viscous flows. *Journal of Computational Physics*, 92(1):161–184, January 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190296W`.

Mansour:1990:ISI

[MH90a] M. L. Mansour and A. Hamed. Implicit solution of the incompressible Navier–Stokes equations on a non-staggered grid. *Journal of Computational Physics*, 86(1):147–167, January 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090095I`.

Mesina:1990:ISN

[MH90b] George Mesina and Charles Hall. Iterative solution of Navier–Stokes dual variable difference equations. *Journal of Computational Physics*, 91(1):252, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090026W`.

Mesina:1991:ISN

[MH91] George Mesina and Charles Hall. Iterative solution of Navier–Stokes dual variable difference equations. *Journal of Computational Physics*, 96(1):71–98, September 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190266N`.

Manninen:1992:MDV

[MH92] M. Manninen and H. Häkkinen. A method for detecting vacancy diffusion in molecular dynamics. *Journal of Computational Physics*, 100(1):197–199, May 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290320X`.

Monaghan:1993:VPM

[MH93] J. J. Monaghan and R. J. Humble. Vortex particle methods for periodic channel flow. *Journal of Computational Physics*, 107(1):

152–159, July 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183711320.

Mains:1994:ARF

[MH94] R. K. Mains and G. I. Haddad. An accurate re-formulation of the Wigner function method for quantum transport modeling. *Journal of Computational Physics*, 112(1):149–161, May 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184710886.

Mikkelsen:1990:SFP

[Mik90] D. R. Mikkelsen. Solution of the Fokker–Planck equation with mixing of angular harmonics by beam-beam charge exchange. *Journal of Computational Physics*, 89(1):256, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090143O.

Mikkelsen:1991:SFP

[Mik91] D. R. Mikkelsen. Solution of the Fokker–Planck equation with mixing of angular harmonics by beam-beam charge exchange. *Journal of Computational Physics*, 93(2):336–342, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190187P.

Miller:1991:HSA

[Mil91] R. H. Miller. A horror story about integration methods. *Journal of Computational Physics*, 93(2):469–476, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190195Q.

Marti:1990:SHG

[MIM90] José M. Martí, José M. Ibáñez, and Juan A. Miralles. Stellar hydrodynamics with Glaister's Riemann solver: An approach to the stellar collapse. *Journal of Computational Physics*, 90(1):262–266, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090205F.

Minion:1996:SGP

[Min96a] Michael L. Minion. On the stability of Godunov-projection methods for incompressible flow. *Journal of Computational Physics*, 123(2):435–449, February 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900352`.

Minion:1996:PML

[Min96b] Michael L. Minion. A projection method for locally refined grids. *Journal of Computational Physics*, 127(1):158–178, August 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901667`.

Mitra:1992:UEO

[Mit92] Ambar K. Mitra. Use of eigenfunctions in the optimization of the grid for the boundary element method. *Journal of Computational Physics*, 100(2):246–252, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290232N`.

Manolopoulos:1993:JLD

[MJP93] David E. Manolopoulos, Michael J. Jamieson, and Atul D. Pradhan. Johnson's log derivative algorithm rederived. *Journal of Computational Physics*, 105(1):169–172, March 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710624`.

Muradoglu:1999:CHF

[MJPC99] Metin Muradoglu, Patrick Jenny, Stephen B. Pope, and David A. Caughey. A consistent hybrid finite-volume/particle method for the PDF equations of turbulent reactive flows. *Journal of Computational Physics*, 154(2):342–371, September 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963167`.

Matsumoto:1990:TTM

[MK90] Masami Matsumoto and Shigeo Kawata. TRIPIC: Triangular-mesh particle-in-cell code. *Journal of Computational Physics*,

87(2):488–493, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090262Y`.

Mousseau:1997:FIK

[MK97] V. A. Mousseau and D. A. Knoll. Fully implicit kinetic solution of collisional plasmas. *Journal of Computational Physics*, 136(2):308–323, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957363`.

Mansfield:1998:DSV

[MKM98] John R. Mansfield, Omar M. Knio, and Charles Meneveau. A dynamic LES scheme for the vorticity transport equation: Formulation and a priori tests. *Journal of Computational Physics*, 145(2):693–730, September 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919896051X`.

Mansfield:1999:DCV

[MKM99] John R. Mansfield, Omar M. Knio, and Charles Meneveau. Dynamic LES of colliding vortex rings using a 3D vortex method. *Journal of Computational Physics*, 152(1):305–345, June 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962587`. See erratum [MKM04].

Mansfield:2004:CDC

[MKM04] John R. Mansfield, Omar M. Knio, and Charles Meneveau. Corrigendum to "Dynamic LES of colliding vortex rings using a 3D vortex method" [J. Comp. Phys. **152** (1999) 305–345]. *Journal of Computational Physics*, 197(2):779–780, July 1, 2004. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999103006569`. See [MKM99].

Mahalov:1992:CCC

[ML92] Alex Mahalov and Sidney Leibovich. On the calculation of coupling coefficients in amplitude equations. *Journal of Computational Physics*, 101(2):441–444, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/002199919290019U.

Miller:1992:FNM

[MLB92] Timothy L. Miller, Huei-Iin Lu, and Karen A. Butler. A fully nonlinear, mixed spectral and finite difference model for thermally driven, rotating flows. *Journal of Computational Physics*, 101(2):265–275, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290004I.

Morris:1997:PTD

[MLBW97] Philip J. Morris, Lyle N. Long, Ashok Bangalore, and Qunzhen Wang. A parallel three-dimensional computational aeroacoustics method using nonlinear disturbance equations. *Journal of Computational Physics*, 133(1):56–74, May 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197956461.

Manheimer:1997:LRC

[MLJ97] Wallace M. Manheimer, Martin Lampe, and Glenn Joyce. Langevin representation of Coulomb collisions in PIC simulations. *Journal of Computational Physics*, 138(2):563–584, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197958344.

Mei:1999:ACB

[MLS99] Renwei Mei, Li-Shi Luo, and Wei Shyy. An accurate curved boundary treatment in the lattice Boltzmann method. *Journal of Computational Physics*, 155(2):307–330, November 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199963349.

Morinishi:1998:FCH

[MLVM98] Y. Morinishi, T. S. Lund, O. V. Vasilyev, and P. Moin. Fully conservative higher order finite difference schemes for incompressible flow. *Journal of Computational Physics*, 143(1):90–124, June 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959629.

Marchand:1991:SID

[MM91a] R. Marchand and J. P. Matte. Simulation of ionisation dynamics and electron kinetics. *Journal of Computational Physics*, 97(2):352–365, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191900045`.

Matarrese:1991:NMS

[MM91b] M. D. Matarrese and A. F. Messiter. A numerical method for the self-similar hypersonic viscous shear layer. *Journal of Computational Physics*, 96(2):475–483, October 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190247I`.

Masad:1995:DCB

[MM95a] J. A. Masad and M. R. Malik. Direct computation of boundary-layer stability characteristics. *Journal of Computational Physics*, 117(2):228–239, March 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710613`.

Matsushima:1995:SMP

[MM95b] T. Matsushima and P. S. Marcus. A spectral method for polar coordinates. *Journal of Computational Physics*, 120(2):365–374, September 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711710`.

Marti:1996:EPP

[MM96] José M. Martí and Ewald Müller. Extension of the piecewise parabolic method to one-dimensional relativistic hydrodynamics. *Journal of Computational Physics*, 123(1):1–14, January 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900017`.

Matsushima:1997:SMU

[MM97a] T. Matsushima and P. S. Marcus. A spectral method for unbounded domains. *Journal of Computational Physics*, 137 (2):321–345, November 1, 1997. CODEN JCTPAH. ISSN

0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197958046.

Morris:1997:SRS

[MM97b] J. P. Morris and J. J. Monaghan. A switch to reduce SPH viscosity. *Journal of Computational Physics*, 136(1):41–50, September 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197956904.

Mohring:1998:DVF

[MM98] Leonhard Möhring and Willi Möhring. On the determination of a velocity field with prescribed vorticity. *Journal of Computational Physics*, 147(1):229–235, November 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960855.

McFadden:1990:ESE

[MMB90] G. B. McFadden, B. T. Murray, and R. F. Boisvert. Elimination of spurious eigenvalues in the Chebyshev tau spectral method. *Journal of Computational Physics*, 91(1):228–239, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090012P.

Marano:1998:RTP

[MML98] Stefano Marano, Mario Medugno, and Maurizio Longo. A real-time parallel application:: The detection of gravitational waves by a network of heterogeneous workstations. *Journal of Computational Physics*, 139(1):15–34, January 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197958575.

Moriarty:1990:DIC

[MMR90] K. J. M. Moriarty, Eric Myers, and Claudio Rebbi. The dynamical interactions of cosmic strings. *Journal of Computational Physics*, 88(2):467–476, June 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190901898.

Migliore:1990:AFA

[MMS90a] M. Migliore, V. Martorana, and F. Sciortino. An algorithm to find all paths between two nodes in a graph. *Journal of Computational Physics*, 87(1):231–236, March 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090235S`.

Mitchell:1990:NSH

[MMS90b] A. R. Mitchell, B. A. Murray, and B. D. Sleeman. Numerical solution of Hamiltonian systems in reaction diffusion by symplectic difference schemes. *Journal of Computational Physics*, 91(1): 253, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090031U`.

Mitchell:1991:NSH

[MMS91] A. R. Mitchell, B. A. Murray, and B. D. Sleeman. Numerical solution of Hamiltonian systems in reaction-diffusion by symplectic difference schemes. *Journal of Computational Physics*, 95(2):339–358, August 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190280X`.

Mostrom:1996:ACP

[MMW96] Michael A. Mostrom, Dushan Mitrovich, and Dale R. Welch. The ARCTIC charged particle beam propagation code. *Journal of Computational Physics*, 128(2):489–497, October 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902260`.

Malkus:1990:DSF

[MNP90] David S. Malkus, John A. Nohel, and Bradley J. Plohr. Dynamics of shear flow of a non-Newtonian fluid. *Journal of Computational Physics*, 87(2):464–487, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090261X`.

Morales:1990:SEM

[MNR90] Juan J. Morales, María J. Nuevo, and Luis F. Rull. Statistical error methods in computer simulations. *Journal of*

Computational Physics, 89(2):432–438, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090151P`.

McDonald:1995:PMP

[MO95] B. E. McDonald and Gregory J. Orbis. Performance of the matched-phase noise filter with estimated noise spectra. *Journal of Computational Physics*, 122(2):185–190, December 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185712077`.

Monaghan:1994:SFS

[Mon94] J. J. Monaghan. Simulating free surface flows with SPH. *Journal of Computational Physics*, 110(2):399–406, February 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710345`.

Monaghan:1997:ISD

[Mon97a] J. J. Monaghan. Implicit SPH drag and dusty gas dynamics. *Journal of Computational Physics*, 138(2):801–820, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958460`.

Monaghan:1997:SRS

[Mon97b] J. J. Monaghan. SPH and Riemann solvers. *Journal of Computational Physics*, 136(2):298–307, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957326`.

Morgan:1990:DMP

[Mor90] Ronald B. Morgan. Davidson's method and preconditioning for generalized eigenvalue problems. *Journal of Computational Physics*, 89(1):241–245, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090124J`.

Morgan:1992:GDM

[Mor92] Ronald B. Morgan. Generalizations of Davidson's method for computing eigenvalues of large nonsymmetric matrices. *Journal*

of Computational Physics, 101(2):287–291, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290006K`.

Mulder:1992:CIM

[MOS92] W. Mulder, S. Osher, and James A. Sethian. Computing interface motion in compressible gas dynamics. *Journal of Computational Physics*, 100(2):209–228, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290229R`.

Motin:1998:SIE

[Mot98] H. C. Motin. Solving integral equations by reconstruction in isomorphic Taylor coefficient spaces. *Journal of Computational Physics*, 143(2):291–311, July 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959873`.

Mo:1993:BFC

[MP93] Yizhang Mo and Robert J. Perry. Basis function calculations for the massive Schwinger model in the light-front Tamm–Dancoff approximation. *Journal of Computational Physics*, 108(1):159–174, September 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918371171X`.

Miller:1996:HOG

[MP96] Gregory Hale Miller and Elbridge Gerry Puckett. A high-order Godunov method for multiple condensed phases. *Journal of Computational Physics*, 128(1):134–164, October 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902004`.

Moschetta:1997:RLD

[MP97] Jean-Marc Moschetta and D. I. Pullin. A robust low diffusive kinetic scheme for the Navier–Stokes/Euler equations. *Journal of Computational Physics*, 133(2):193–204, May 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956734`.

Martin:1992:TPQa

[MPG92a] Pablo Martin, Ricardo Pérez, and Antonio L. Guerrero. Two-point quasi-fractional approximations to the Airy function Ai(x). *Journal of Computational Physics*, 98(2):349, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290165U`.

Martin:1992:TPQb

[MPG92b] Pablo Martín, Ricardo Pérez, and Antonio L. Guerrero. Two-point quasi-fractional approximations to the Airy function Ai(x). *Journal of Computational Physics*, 99(2):337–340, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290212H`.

Meneguzzi:1996:SMS

[MPPZ96] M. Meneguzzi, H. Politano, A. Pouquet, and M. Zolver. A sparse-mode spectral method for the simulation of turbulent flows. *Journal of Computational Physics*, 123(1):32–44, January 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900030`.

Maronnier:1999:NSF

[MPR99] V. Maronnier, M. Picasso, and J. Rappaz. Numerical simulation of free surface flows. *Journal of Computational Physics*, 155(2):439–455, November 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963465`.

Micheletti:1995:CVC

[MQS95] S. Micheletti, A. Quarteroni, and R. Sacco. Current-voltage characteristics simulation of semiconductor devices using domain decomposition. *Journal of Computational Physics*, 119(1):46–61, June 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711151`.

Mulholland:1997:SEP

[MQS97] L. S. Mulholland, Y. Qiu, and D. M. Sloan. Solution of evolutionary partial differential equations using adaptive finite

differences with pseudospectral post-processing. *Journal of Computational Physics*, 131(2):280–298, March 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955928`.

Myong:1998:GTS

[MR98] R. S. Myong and P. L. Roe. On Godunov-type schemes for magnetohydrodynamics: 1. A model system. *Journal of Computational Physics*, 147(2):545–567, December 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961010`.

Mead:1999:ORK

[MR99] J. L. Mead and R. A. Renaut. Optimal Runge–Kutta methods for first order pseudospectral operators. *Journal of Computational Physics*, 152(1):404–419, June 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962605`.

McGrattan:1994:FDF

[MRB94] K. B. McGrattan, R. G. Rehm, and H. R. Baum. Fire-driven flows in enclosures. *Journal of Computational Physics*, 110(2):285–291, February 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710254`.

Marin:1993:EAM

[MRC93] Mauricio Marín, Dino Risso, and Patricio Cordero. Efficient algorithms for many-body hard particle molecular dynamics. *Journal of Computational Physics*, 109(2):306–317, December 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183712192`.

Murray:1992:IAL

[MRD92] Christopher W. Murray, Stephen C. Racine, and Ernest R. Davidson. Improved algorithms for the lowest few eigenvalues and associated eigenvectors of large matrices. *Journal of Computational Physics*, 103(2):382–389, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/002199919290409R.

Morton:1994:UIM

[MRS94] K. W. Morton, M. A. Rudgyard, and G. J. Shaw. Upwind iteration methods for the cell vertex scheme in one dimension. *Journal of Computational Physics*, 114(2):209–226, October 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711612.

Morel:1998:LSO

[MRS98] J. E. Morel, Randy M. Roberts, and Mikhail J. Shashkov. A local support-operators diffusion discretization scheme for quadrilateral r–z meshes. *Journal of Computational Physics*, 144(1): 17–51, July 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959812.

Maritz:1990:EAN

[MS90a] M. F. Maritz and S. W. Schoombie. Exact analysis of nonlinear instability in a discrete Burgers' equation. *Journal of Computational Physics*, 91(2):496, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190900556.

Mulholland:1990:EFP

[MS90b] L. S. Mulholland and D. M. Sloan. The effect of filtering on the pseudospectral solution of evolutionary partial differential equations. *Journal of Computational Physics*, 91(2):495, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190900523.

Maritz:1991:EAN

[MS91a] M. F. Maritz and S. W. Schoombie. Exact analysis of nonlinear instability in a discrete Burgers' equation. *Journal of Computational Physics*, 97(1):73–90, November 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190039N.

Matsuda:1991:MCU

[MS91b] Y. Matsuda and Gary R. Smith. A microinstability code for a uniform magnetized plasma with an arbitrary distribution function. *Journal of Computational Physics*, 97(2):582, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190025G`.

Mulholland:1991:EFP

[MS91c] L. S. Mulholland and D. M. Sloan. The effect of filtering on the pseudospectral solution of evolutionary partial differential equations. *Journal of Computational Physics*, 96(2):369–390, October 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190241C`.

Matsuda:1992:MCUb

[MS92a] Y. Matsuda and Gary R. Smith. A microinstability code for a uniform magnetized plasma with an arbitrary distribution function. *Journal of Computational Physics*, 99(1):180, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290296B`.

Matsuda:1992:MCUa

[MS92b] Y. Matsuda and Gary R. Smith. A microinstability code for a uniform magnetized plasma with an arbitrary distribution function. *Journal of Computational Physics*, 100(2):229–235, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290230V`.

Merryfield:1993:PCT

[MS93] William J. Merryfield and Bernie Shizgal. Properties of collocation third-derivative operators. *Journal of Computational Physics*, 105(1):182–185, March 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918371065X`.

Mei:1998:FDB

[MS98] Renwei Mei and Wei Shyy. On the finite difference-based lattice Boltzmann method in curvilinear coordinates. *Journal of*

Computational Physics, 143(2):426–448, July 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959848`.

Margolin:1999:UCG

[MS99a] Len Margolin and Mikhail Shashkov. Using a curvilinear grid to construct symmetry-preserving discretizations for Lagrangian gas dynamics. *Journal of Computational Physics*, 149(2):389–417, March 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961617`.

Montarnal:1999:RGC

[MS99b] Philippe Montarnal and Chi-Wang Shu. Real gas computation using an energy relaxation method and high-order WENO schemes. *Journal of Computational Physics*, 148(1):59–80, January 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961058`.

Mazhukin:1994:SLP

[MSF94] V. Mazhukin, I. Smurov, and G. Flamant. Simulation of laser plasma dynamics: Influence of ambient pressure and intensity of laser radiation. *Journal of Computational Physics*, 112(1):78–90, May 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710825`.

Manfredi:1995:NIV

[MSF+95] G. Manfredi, M. Shoucri, M. R. Feix, P. Bertrand, E. Fijalkow, and A. Ghizzo. The numerical integration of the Vlasov equation possessing an invariant. *Journal of Computational Physics*, 121(2):298–313, October 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999195901361`.

Morey:1998:FAD

[MSV98] Chris Morey, John Scales, and Erik S. Van Vleck. A feedback algorithm for determining search parameters for Monte Carlo optimization. *Journal of Computational Physics*, 146(1):263–281, October 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print),

1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919896065X.

Mulder:1992:HREb

[Mul92a] Wim A. Mulder. A high-resolution Euler solver based on multigrid, semi-coarsening, and defect correction. *Journal of Computational Physics*, 99(1):181, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290303G.

Mulder:1992:HREa

[Mul92b] Wim A. Mulder. A high-resolution Euler solver based on multigrid, semi-coarsening, and defect correction. *Journal of Computational Physics*, 100(1):91–104, May 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290312M.

Murray:1996:EGO

[Mur96] Ross J. Murray. Explicit generation of orthogonal grids for ocean models. *Journal of Computational Physics*, 126(2):251–273, July 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901369.

Manna:1999:EMS

[MV99] M. Manna and A. Vacca. An efficient method for the solution of the incompressible Navier–Stokes equations in cylindrical geometries. *Journal of Computational Physics*, 151(2):563–584, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199961971.

Mottura:1997:ERS

[MVZ97] Lorenzo Mottura, Luigi Vigevano, and Marco Zaccanti. An evaluation of Roe's scheme generalizations for equilibrium real gas flows. *Journal of Computational Physics*, 138(2):354–399, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197958381.

Moss:1993:NPC

[MW93] William C. Moss and John W. White. New physical criteria for using linear artificial viscosity. *Journal of Computational Physics*, 106(2):397–399, June 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711174`.

Miller:1994:EFF

[MW94] John J. H. Miller and Song Wang. An exponentially fitted finite volume method for the numerical solution of 2D unsteady incompressible flow problems. *Journal of Computational Physics*, 115(1):56–64, November 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711788`.

Manson:1997:ACT

[MW97] J. Russell Manson and Steve G. Wallis. Accuracy characteristics of traditional finite volume discretizations for unsteady computational fluid dynamics. *Journal of Computational Physics*, 132(1):149–153, March 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956235`.

Ming:1991:CES

[MWJ91] H. Ming, K. Werner, and H. Jackisch. Construction of the entropy solution of hyperbolic conservation laws by a geometrical interpretation of the conservation principle. *Journal of Computational Physics*, 95(1):40–58, July 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190252G`.

Mansell:1994:LLD

[MWM94] G. Mansell, J. Walter, and E. Marschall. Liquid-liquid driven cavity flow. *Journal of Computational Physics*, 110(2):274–284, February 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710242`.

Morel:1996:LDS

[MWS96] J. E. Morel, Todd A. Wareing, and Kenneth Smith. A linear-discontinuous spatial differencing scheme for S_n radiative transfer calculations. *Journal of Computational Physics*, 128(2):445–462, October 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902235`.

McKee:1996:ADI

[MWW96] S. McKee, D. P. Wall, and S. K. Wilson. An alternating direction implicit scheme for parabolic equations with mixed derivative and convective terms. *Journal of Computational Physics*, 126(1): 64–76, June 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901205`.

Nachman:1996:BPC

[Nac96] Arje Nachman. A brief perspective on computational electromagnetics. *Journal of Computational Physics*, 126(1):237–239, June 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901321`.

Nadiga:1995:ADV

[Nad95] B. T. Nadiga. An adaptive discrete-velocity model for the shallow water equations. *Journal of Computational Physics*, 121(2):271–280, October 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999195901027`.

Nakagawa:1995:WSF

[Nak95] Norio Nakagawa. A weakly singular formulation of boundary integral equations and field computation near boundaries. *Journal of Computational Physics*, 122(1):143–149, November 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918571203X`.

Natarajan:1990:FEA

[Nat90] Ramesh Natarajan. Finite-element applications on a shared-memory multiproccessor — algorithms and experimental results. *Journal of Computational Physics*, 90(1):270, September

1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090218P.

Natarajan:1991:FEA

[Nat91] Ramesh Natarajan. Finite element applications on a shared-memory multiprocessor: Algorithms and experimental results. *Journal of Computational Physics*, 94(2):352–381, June 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190225A.

Natarajan:1992:ABI

[Nat92a] Ramesh Natarajan. An arnoldi-based iterative scheme for non-symmetric matrix pencils arising in finite element stability problems. *Journal of Computational Physics*, 100(1):128–142, May 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290315P.

Natarajan:1992:NMI

[Nat92b] Ramesh Natarajan. A numerical method for incompressible viscous flow simulation. *Journal of Computational Physics*, 100(2):384–395, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290244S.

Nie:1998:AAQ

[NB98] Qing Nie and Greg Baker. Application of adaptive quadrature to axi-symmetric vortex sheet motion. *Journal of Computational Physics*, 143(1):49–69, June 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959721.

Nguyen:1993:CLS

[NC93] Hoa D. Nguyen and Jacob N. Chung. A Chebyshev–Legendre spectral method for the transient solutions of flow past a solid sphere. *Journal of Computational Physics*, 104(2):303–312, February 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183710326.

Natoli:1995:OMT

[NC95] Vincent Natoli and David M. Ceperley. An optimized method for treating long-range potentials. *Journal of Computational Physics*, 117(1):171–178, March 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710546`.

Nash:1997:EFD

[NC97] Patrick L. Nash and L. Y. Chen. Efficient finite difference solutions to the time-dependent Schrödinger equation. *Journal of Computational Physics*, 130(2):266–268, January 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955898`.

Nordstrom:1999:BIC

[NC99] Jan Nordström and Mark H. Carpenter. Boundary and interface conditions for high-order finite-difference methods applied to the Euler and Navier–Stokes equations. *Journal of Computational Physics*, 148(2):621–645, January 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961332`.

Natoli:1996:NNA

[NCF96] Vincent D. Natoli, Morrel H. Cohen, and Bengt Fornberg. A new numerical algorithm for the analytic continuation of Green's functions. *Journal of Computational Physics*, 126(1):99–108, June 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901230`.

Nielsen:1990:AOP

[ND90] Dale E. Nielsen, Jr. and Adam T. Drobot. An analysis and optimization of the pseudo-current method. *Journal of Computational Physics*, 89(1):31–40, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090115H`.

Neal:1994:IAP

[Nea94] Radford M. Neal. An improved acceptance procedure for the hybrid Monte Carlo algorithm. *Journal of Compu-*

tational Physics, 111(1):194–203, March 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710540`.

Neta:1997:ATZ

[NGN97] B. Neta, F. X. Giraldo, and I. M. Navon. Analysis of the Turkel–Zwas scheme for the two-dimensional shallow water equations in spherical coordinates. *Journal of Computational Physics*, 133(1):102–112, May 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956576`.

Nicolai:1993:MCC

[Nic93] A. Nicolai. A Monte Carlo code describing the neutral gas transport in pipe configurations with attenuating media. *Journal of Computational Physics*, 106(2):377–390, June 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711150`.

Nicholls:1998:TWW

[Nic98] David P. Nicholls. Traveling water waves: Spectral continuation methods with parallel implementation. *Journal of Computational Physics*, 143(1):224–240, June 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959575`.

Nicoud:1999:DWA

[Nic99] F. Nicoud. Defining wave amplitude in characteristic boundary conditions. *Journal of Computational Physics*, 149(2):418–422, March 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961319`.

Jiang:1993:NON

[nJ93] Bo nan Jiang. Non-oscillatory and non-diffusive solution of convection problems by the iteratively reweighted least-squares finite element method. *Journal of Computational Physics*, 105(1):108–121, March 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710570`.

Jiang:1996:OSS

[nJWP96] Bo nan Jiang, Jie Wu, and L. A. Povinelli. The origin of spurious solutions in computational electromagnetics. *Journal of Computational Physics*, 125(1):104–123, April 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900820`.

Natarajan:1995:CSQ

[NM95] A. Natarajan and N. Mohankumar. A comparison of some quadrature methods for approximating Cauchy principal value integrals. *Journal of Computational Physics*, 116(2):365–368, February 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710340`.

Negron-Marrero:1994:NCS

[NMB94] Pablo V. Negrón-Marrero and Octavio Betancourt. The numerical computation of singular minimizers in two-dimensional elasticity. *Journal of Computational Physics*, 113(2):291–303, August 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711363`.

Nakamura:1996:CCS

[NMW+96] Y. Nakamura, T. Matsumoto, M. Wakatani, S. A. Galkin, V. V. Drozdov, A. A. Martynov, Yu. Yu. Poshekhonov, K. Ichiguchi, L. Garcia, B. A. Carreras, C. Nührenberg (née Schwab), W. A. Cooper, and J. L. Johnson. Comparison of the calculations of the stability properties of a specific stellarator equilibrium with different MHD stability codes. *Journal of Computational Physics*, 128(1):43–57, October 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901953`.

Nayar:1993:CSE

[NO93] Narinder Nayar and James M. Ortega. Computation of selected eigenvalues of generalized eigenvalue problems. *Journal of Computational Physics*, 108(1):8–14, September 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711587`.

Noelle:1994:HSC

[Noe94] Sebastian Noelle. Hyperbolic systems of conservation laws, the Weyl equation, and multidimensional upwinding. *Journal of Computational Physics*, 115(1):22–26, November 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711752`.

Nogueira:1993:AFG

[Nog93] P. Nogueira. Automatic Feynman graph generation. *Journal of Computational Physics*, 105(2):279–289, April 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710740`.

Nordmark:1991:RHO

[Nor91a] Henrik O. Nordmark. Rezoning for higher order vortex methods. *Journal of Computational Physics*, 97(2):366–397, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191900056`.

Normark:1991:RHO

[Nor91b] Henrik O. Normark. Rezoning for higher order vortex methods. *Journal of Computational Physics*, 93(1):250, March 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190081U`.

Nordstrom:1995:ASN

[Nor95] Jan Nordström. Accurate solutions of the Navier–Stokes equations despite unknown outflow boundary data. *Journal of Computational Physics*, 120(2):184–205, September 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711588`.

Nordmark:1996:DHO

[Nor96] Henrik O. Nordmark. Deterministic high order vortex methods for the 2D Navier–Stokes equation with rezoning. *Journal of Computational Physics*, 129(1):41–56, November 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902326`.

Nordmark:1998:EHA

[Nor98] Henrik O. Nordmark. Efficient and highly accurate computation of a class of radially symmetric solutions of the Navier–Stokes equation and the heat equation in two dimensions. *Journal of Computational Physics*, 142(2):428–444, May 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959332`.

Natarajan:1992:PCG

[NP92] Ramesh Natarajan and Pratap Pattnaik. Performance of the conjugate gradient method on Victor. *Journal of Computational Physics*, 100(2):396–401, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290245T`.

Nadiga:1994:MNE

[NP94] B. T. Nadiga and D. I. Pullin. A method for near-equilibrium discrete-velocity gas flows. *Journal of Computational Physics*, 112(1):162–172, May 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710898`.

Nguyen:1993:AVI

[NPC93] Hoa D. Nguyen, Seungho Paik, and Jacob N. Chung. Application of vorticity integral conditioning to Chebyshev pseudospectral formulation for the Navier–Stokes equations. *Journal of Computational Physics*, 106(1):115–124, May 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918371096X`.

Nochetto:1996:DMA

[NPV96] R. H. Nochetto, M. Paolini, and C. Verdi. A dynamic mesh algorithm for curvature dependent evolving interfaces. *Journal of Computational Physics*, 123(2):296–310, February 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919690025X`.

Nelson:1992:CSDa

[NSR92a] P. Nelson, D. L. Seth, and A. K. Ray. A computational study of the discretization error in the solution of the Spencer–Lewis equation by doubling applied to the upwind finite-difference approximation. *Journal of Computational Physics*, 101(2):452, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290025T`.

Nelson:1992:CSDb

[NSR92b] P. Nelson, D. L. Seth, and A. K. Ray. A computational study of the discretization error in the solution of the Spencer–Lewis equation by doubling applied to the upwind finite-difference approximation. *Journal of Computational Physics*, 103(2):370–381, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290408Q`.

Nessyahu:1990:NOC

[NT90] Haim Nessyahu and Eitan Tadmor. Non-oscillatory central differencing for hyperbolic conservation laws. *Journal of Computational Physics*, 87(2):408–463, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190902608`.

Nunn:1993:NTN

[Nun93] D. Nunn. A novel technique for the numerical simulation of hot collision-free plasma: Vlasov hybrid simulation. *Journal of Computational Physics*, 108(1):180–196, September 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711733`.

Najm:1998:SIN

[NWK98] Habib N. Najm, Peter S. Wyckoff, and Omar M. Knio. A semi-implicit numerical scheme for reacting flow: I. Stiff chemistry. *Journal of Computational Physics*, 143(2):381–402, July 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958563`.

Nanbu:1998:WPC

[NY98] K. Nanbu and S. Yonemura. Weighted particles in Coulomb collision simulations based on the theory of a cumulative scattering angle. *Journal of Computational Physics*, 145(2):639–654, September 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960491`.

Oh:1995:MAM

[OB95] Hae-Soo Oh and Ivo Babuška. The method of auxiliary mapping for the finite element solutions of elasticity problems containing singularities. *Journal of Computational Physics*, 121(2):193–212, October 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999195900179`.

Oden:1998:DHF

[OBB98] J. Tinsley Oden, Ivo Babuška, and Carlos Erik Baumann. A discontinuous hp finite element method for diffusion problems. *Journal of Computational Physics*, 146(2):491–519, November 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960326`.

ORourke:1993:PGI

[OBL93] Peter J. O'Rourke, J. U. Brackbill, and Bernard Larrouturou. On particle-grid Interpolation and calculating chemistry in particle-in-cell methods. *Journal of Computational Physics*, 109(1):37–52, November 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711976`.

Otto:1999:NSG

[OD99] S. R. Otto and James P. Denier. Numerical solution of a generalized elliptic partial differential eigenvalue problem. *Journal of Computational Physics*, 156(2):352–359, December 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963647`.

Odstrcil:1990:NOFa

[Ods90a] Dusan Odstrcil. A new optimized FCT algorithm for shock wave problems. *Journal of Computational Physics*, 87(2):495, April

1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190902675.

Odstrcil:1990:NOFb

[Ods90b] Dusan Odstrcil. A new optimized FCT algorithm for shock wave problems. *Journal of Computational Physics*, 91(1):71–93, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090005L.

Odstrcil:1993:IFA

[Ods93] Dus Odstrcil. Improved FCT algorithm for shock hydrodynamics. *Journal of Computational Physics*, 108(2):218–225, October 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183711770.

Ollivier-Gooch:1997:QES

[OG97] Carl F. Ollivier-Gooch. Quasi-ENO schemes for unstructured meshes based on unlimited data-dependent least-squares reconstruction. *Journal of Computational Physics*, 133(1):6–17, May 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196955849.

Oreg:1990:CAG

[OGBSK90] J. Oreg, W. H. Goldstein, A. Bar-Shalom, and M. Klapisch. Configuration average of general n-body symmetrical tensor operators. *Journal of Computational Physics*, 91(2):460–477, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190900486.

Olson:1990:EFE

[OGS90] Lorraine G. Olson, Georgios C. Georgiou, and William W. Schultz. An efficient finite element method for treating singularities in Laplace's equation. *Journal of Computational Physics*, 91(2):497, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090060E.

Olson:1991:EFE

[OGS91] Lorraine G. Olson, Georgios C. Georgiou, and William W. Schultz. An efficient finite element method for treating singularities in Laplace's equation. *Journal of Computational Physics*, 96(2):391–410, October 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190242D`.

Oosterlee:1998:MLS

[OGWW98] C. W. Oosterlee, F. J. Gaspar, T. Washio, and R. Wienands. Multigrid line smoothers for higher order upwind discretizations of convection-dominated problems. *Journal of Computational Physics*, 139(2):274–307, January 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919795854X`.

Ohwada:1998:HOA

[Ohw98] Taku Ohwada. Higher order approximation methods for the Boltzmann equation. *Journal of Computational Physics*, 139(1):1–14, January 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958691`.

Jeon:1995:FDM

[oJ95] Dong o Jeon. Finite difference method for calculating magnetic field components off-median plane using median plane field data. *Journal of Computational Physics*, 117(1):55–66, March 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710443`.

Jeon:1997:CFD

[oJ97] Dong o Jeon. Compact finite difference method for calculating magnetic field components of cyclotrons. *Journal of Computational Physics*, 132(2):167–174, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956351`.

Oh:1994:NIS

[OK94] H. J. Oh and I. S. Kang. A non-iterative scheme for orthogonal grid generation with control function and specified boundary correspondence on three sides. *Journal of Computational Physics*, 112(1):138–148, May 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710874`.

Okunbor:1995:ECL

[Oku95] Daniel I. Okunbor. Energy conserving, Liouville, and symplectic integrators. *Journal of Computational Physics*, 120(2):375–378, September 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711722`.

Ozyoruk:1996:NEA

[ÖL96] Yusuf Özyörük and Lyle N. Long. A new efficient algorithm for computational aeroacoustics on parallel processors. *Journal of Computational Physics*, 125(1):135–149, April 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900844`.

Olim:1994:TNS

[Oli94] M. Olim. A truly noninterpolating semi-Lagrangian Lax–Wendroff method. *Journal of Computational Physics*, 112(2):253–266, June 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710977`.

Ozyoruk:1998:TDN

[ÖLJ98] Yusuf Özyörük, Lyle N. Long, and Michael G. Jones. Time-domain numerical simulation of a flow-impedance tube. *Journal of Computational Physics*, 146(1):29–57, October 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959198`.

Olmez:1995:NMN

[ÖM95] H. S. Ölmez and J. H. Milgram. Numerical methods for nonlinear interactions between water waves. *Journal of*

Computational Physics, 118(1):62–72, April 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710790`.

Oosterlee:1997:GBP

[Oos97] C. W. Oosterlee. A GMRES-based plane smoother in multigrid to solve 3D anisotropic fluid flow problems. *Journal of Computational Physics*, 130(1):41–53, January 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919695442X`.

Ostrovskii:1997:NMO

[OP97] A. G. Ostrovskii and L. I. Piterbarg. A new method for obtaining velocity and diffusivity from time-dependent distributions of a tracer via the maximum likelihood estimator for the advection-diffusion equation. *Journal of Computational Physics*, 133(2):340–360, May 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956746`.

Or:1994:SSB

[Or94] A. C. Or. A shooting scheme for boundary-value problems. *Journal of Computational Physics*, 114(2):280–283, October 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711661`.

OLeary:1990:CEE

[OS90] D. P. O'Leary and G. W. Stewart. Computing the eigenvalues and eigenvectors of symmetric arrowhead matrices. *Journal of Computational Physics*, 90(2):497–505, October 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190901773`.

Omelchenko:1997:DDE

[OS97] Yu. A. Omelchenko and R. N. Sudan. A 3-D darwin-EM hybrid PIC code for ion ring studies. *Journal of Computational Physics*, 133(1):146–159, May 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999197956709.

ORourke:1998:VEI

[OS98] P. J. O'Rourke and M. S. Sahota. A variable explicit/implicit numerical method for calculating advection on unstructured meshes. *Journal of Computational Physics*, 143(2):312–345, July 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959034.

Osborne:1990:NFA

[Osb90] A. R. Osborne. Nonlinear Fourier analysis for the infinite-interval Korteweg–de Vries equation I: An algorithm for the direct scattering transform. *Journal of Computational Physics*, 89(2):489, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090159X.

Osborne:1991:NFA

[Osb91] A. R. Osborne. Nonlinear Fourier analysis for the infinite-interval Korteweg–de Vries equation I: An algorithm for the direct scattering transform. *Journal of Computational Physics*, 94(2):284–313, June 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999191902238.

Osborne:1993:HIS

[Osb93] A. R. Osborne. The hyperelliptic inverse scattering transform for the periodic, defocusing nonlinear Schrödinger equation. *Journal of Computational Physics*, 109(1):93–107, November 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183712027.

Oscarsson:1994:DPM

[Osc94] Tord Oscarsson. Dual principles in maximum entropy reconstruction of the wave distribution function. *Journal of Computational Physics*, 110(2):221–233, February 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184710205.

Otani:1992:EVS

[OsKB+92] Niels F. Otani, Jin soo Kim, Charles K. Birdsall, Bruce T. Cohen, William Mccay Nevins, and Neil Maron. Elimination of velocity-space rings-and-spokes instabilities in magnetized electrostatic particle simulations of plasmas. *Journal of Computational Physics*, 102(2):227–235, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192903689`.

Perrochet:1995:STI

[PA95a] Pierre Perrochet and Pascal Azérad. Space–time integrated least-squares: Solving a pure advection equation with a pure diffusion operator. *Journal of Computational Physics*, 117(2):183–193, March 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710571`.

Poliashenko:1995:DMC

[PA95b] Maxim Poliashenko and Cyrus K. Aidun. A direct method for computation of simple bifurcations. *Journal of Computational Physics*, 121(2):246–260, October 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999195900683`.

Puckett:1997:HOP

[PAB+97] Elbridge Gerry Puckett, Ann S. Almgren, John B. Bell, Daniel L. Marcus, and William J. Rider. A high-order projection method for tracking fluid interfaces in variable density incompressible flows. *Journal of Computational Physics*, 130(2):269–282, January 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955904`.

Paisley:1997:MCS

[Pai97] M. F. Paisley. Multigrid computation of stratified flow over two-dimensional obstacles. *Journal of Computational Physics*, 136(2):411–424, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957648`.

Palmer:1993:DAS

[Pal93] Bruce J. Palmer. Direct application of shake to the velocity Verlet algorithm. *Journal of Computational Physics*, 104(2):470–472, February 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710454`.

Papatzacos:1992:NCE

[Pap92] Paul Papatzacos. Numerical calculation of the equation of flow in porous media: The lattice-gas approach. *Journal of Computational Physics*, 102(2):424, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290385C`.

Papatzacos:1993:NCE

[Pap93] Paul Papatzacos. Numerical calculation of the equation of flow in porous media: The lattice gas approach. *Journal of Computational Physics*, 104(2):313–320, February 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710338`.

Paruolo:1990:VEM

[Par90] Giuseppe Paruolo. A vector-efficient and memory-saving interpolation algorithm for PIC codes on a Cray X-MP. *Journal of Computational Physics*, 89(2):462–482, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090153R`.

Parker:1991:NEE

[PB91] S. E. Parker and C. K. Birdsall. Numerical error in electron orbits with large $\omega_{ce}\Delta t$. *Journal of Computational Physics*, 97(1):91–102, November 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190040R`.

Paisley:1998:CMM

[PB98] M. F. Paisley and N. M. Bhatti. Comparison of multigrid methods for neutral and stably stratified flows over two-dimensional obstacles. *Journal of Computational Physics*, 142(2):581–610, May 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print),

1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959150.

Patzek:1991:NOI

[PBBS91] T. W. Patzek, R. E. Benner, Jr., O. A. Basaran, and L. E. Scriven. Nonlinear oscillations of inviscid free drops. *Journal of Computational Physics*, 97(2):489–515, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190010I.

Patzek:1995:NOT

[PBBS95] T. W. Patzek, O. A. Basaran, R. E. Benner, and L. E. Scriven. Nonlinear oscillations of two-dimensional, rotating inviscid drops. *Journal of Computational Physics*, 116(1):3–25, January 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185710029.

Pember:1995:ACG

[PBC+95] Richard B. Pember, John B. Bell, Phillip Colella, William Y. Curtchfield, and Michael L. Welcome. An adaptive Cartesian grid method for unsteady compressible flow in irregular regions. *Journal of Computational Physics*, 120(2):278–304, September 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185711655.

Pinelli:1994:CPS

[PBD94a] A. Pinelli, C. Benocci, and M. Deville. Chebyshev pseudospectral solution of advection-diffusion equations with mapped finite difference preconditioning. *Journal of Computational Physics*, 112 (1):1–11, May 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184710771.

Pletzer:1994:LSR

[PBD94b] A. Pletzer, A. Bondeson, and R. L. Dewar. Linear stability of resistive MHD modes: Axisymmetric toroidal computation of the outer region matching data. *Journal of Computational Physics*, 115(2):530–549, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999184712150.

Procassini:1992:CPCb

[PC92a] Richard J. Procassini and Bruce I. Cohen. A comparison of particle-in-cell and Fokker–Planck methods as applied to the modeling of auxiliary-heated mirror plasmas. *Journal of Computational Physics*, 102(1):39–48, September 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999105800038.

Procassini:1992:CPCa

[PC92b] Richard J. Procassini and Bruce I. Cohen. A comparison of particle-in-cell and Fokker–Planck methods as applied to the modelling of auxilliary-heated mirror plasmas. *Journal of Computational Physics*, 100(2):433, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290252T.

Palaniswamy:1996:SES

[PC96] Sampath Palaniswamy and Sukumar R. Chakravarthy. Stability of explicit schemes in the physical and frequency domains. *Journal of Computational Physics*, 124(1):162–176, March 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900510.

Prosser:1998:UWC

[PC98] R. Prosser and R. S. Cant. On the use of wavelets in computational combustion. *Journal of Computational Physics*, 147 (2):337–361, December 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960922.

Pareschi:1999:IMC

[PC99a] Lorenzo Pareschi and Russel E. Caflisch. An implicit Monte Carlo method for rarefied gas dynamics: I. The space homogeneous case. *Journal of Computational Physics*, 154(1):90–116, September 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199963015.

Popken:1999:CKT

[PC99b] Lars Popken and Paul W. Cleary. Comparison of kinetic theory and discrete element schemes for modelling granular Couette flows. *Journal of Computational Physics*, 155(1):1–25, October 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962927`.

Pfrommer:1997:RCQ

[PCLC97] Bernd G. Pfrommer, Michel Côté, Steven G. Louie, and Marvin L. Cohen. Relaxation of crystals with the quasi-Newton method. *Journal of Computational Physics*, 131(1):233–240, February 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956120`.

Prasad:1991:IPI

[PDC91] Surya Prasad, S.-K Dinavahi, and S.-K Chow. Inverse problem in incompressible, irrotational axisymmetric flow. *Journal of Computational Physics*, 94(2):419–436, June 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190228D`.

Pendergast:1994:SAT

[PDHS94] Phil Pendergast, Zareh Darakjian, Edward F. Hayes, and Danny C. Sorensen. Scalable algorithms for three-dimensional reactive scattering: Evaluation of a new algorithm for obtaining surface functions. *Journal of Computational Physics*, 113(2):201–214, August 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711302`.

Pettitt:1993:SBT

[PDL93] Brian A. Pettitt, Werner Danchura, and Donna Labun. Spherical Bessel transforms. *Journal of Computational Physics*, 105(1):178–181, March 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710648`.

Pfrommer:1999:UEF

[PDS99] Bernd G. Pfrommer, James Demmel, and Horst Simon. Unconstrained energy functionals for electronic structure calculations.

Journal of Computational Physics, 150(1):287–298, March 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961812`.

Pelz:1991:PFP

[Pel91] Richard B. Pelz. The parallel Fourier pseudospectral method. *Journal of Computational Physics*, 92(2):296–312, February 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191902124`.

Peng:1995:HON

[Pen95] Dianyun Peng. High-order numerical method for two-point boundary value problems. *Journal of Computational Physics*, 120(2):253–259, September 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918571162X`.

Perot:1993:AFS

[Per93] J. Blair Perot. An analysis of the fractional step method. *Journal of Computational Physics*, 108(1):51–58, September 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711629`.

Perot:1995:CFS

[Per95] J. Blair Perot. Comments on the fractional step method. *Journal of Computational Physics*, 121(1):190–191, October 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711898`.

Petersen:1994:SEN

[Pet94] W. P. Petersen. Some experiments on numerical simulations of stochastic differential equations and a new algorithm. *Journal of Computational Physics*, 113(1):75–81, July 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711193`.

Petersson:1996:FNC

[Pet96] N. Anders Petersson. Fast numerical computation of 2D free surface jet flow with surface tension. *Journal of Computa-*

tional Physics, 128(2):409–426, October 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919690220X`.

Petropoulos:1998:TPM

[Pet98] Peter G. Petropoulos. On the termination of the perfectly matched layer with local absorbing boundary conditions. *Journal of Computational Physics*, 143(2):665–673, July 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959794`.

Parker:1993:BMS

[PFRB93] S. E. Parker, A. Friedman, S. L. Ray, and C. K. Birdsall. Bounded multi-scale plasma simulation: Application to sheath problems. *Journal of Computational Physics*, 107(2):388–402, August 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711538`.

Peterkin:1998:TMF

[PFS98] Robert E. Peterkin, Jr., Michael H. Frese, and Carl R. Sovinec. Transport of magnetic flux in an arbitrary coordinate ALE code. *Journal of Computational Physics*, 140(1):148–171, February 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198958806`.

Pierce:1997:PMM

[PG97] Niles A. Pierce and Michael B. Giles. Preconditioned multigrid methods for compressible flow calculations on stretched meshes. *Journal of Computational Physics*, 136(2):425–445, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957727`.

Provatas:1999:AMR

[PGD99] Nikolas Provatas, Nigel Goldenfeld, and Jonathan Dantzig. Adaptive mesh refinement computation of solidification microstructures using dynamic data structures. *Journal of Computational Physics*, 148(1):265–290, January 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999198961228.

Parlett:1994:MMR

[PH94] Beresford N. Parlett and Wee-Liang Heng. The method of minimal representations in 2D Ising model calculations. *Journal of Computational Physics*, 114(2):257–264, October 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711648.

Peters:1995:VSM

[PH95a] M. C. A. M. Peters and H. W. M. Hoeijemakers. A vortex sheet method applied to unsteady flow separation from sharp edges. *Journal of Computational Physics*, 120(1):88–104, August 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185711503.

Pickering:1995:RBC

[PH95b] W. M. Pickering and P. J. Harley. On Robbins boundary conditions, elliptic equations, and FFT methods. *Journal of Computational Physics*, 122(2):380–383, December 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185712235.

Parker:1993:ASB

[PHL93] G. J. Parker, W. N. G. Hitchon, and J. E. Lawler. Accelerated solution of the Boltzmann equation. *Journal of Computational Physics*, 106(1):147–154, May 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183710995.

Pang:1994:STS

[PJ94] Alex C.-Y. Pang and Chueng-Ryong Ji. A spinor technique in symbolic Feynman diagram calculation. *Journal of Computational Physics*, 115(2):267–275, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711946.

P:1994:FVS

[PK94] Vijayan P. and Y. Kallinderis. A 3D finite-volume scheme for the Euler equations on adaptive tetrahedral grids. *Journal of Computational Physics*, 113(2):249–267, August 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711338`.

Pathria:1995:SEM

[PK95] D. Pathria and G. E. Karniadakis. Spectral element methods for elliptic problems in nonsmooth domains. *Journal of Computational Physics*, 122(1):83–95, November 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711989`.

Pan:1992:FSN

[PL92a] Dartzi Pan and S. C. Lee. A fixed-stencil non-oscillatory scheme for hyperbolic systems. *Journal of Computational Physics*, 100(1):200–204, May 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192903210`.

Poinsot:1992:BCDa

[PL92b] T. J. Poinsot and S. K. Lelef. Boundary conditions for direct simulations of compressible viscous flows. *Journal of Computational Physics*, 101(1):104–129, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192900462`.

Petschek:1993:CSP

[PL93] A. G. Petschek and L. D. Libersky. Cylindrical smoothed particle hydrodynamics. *Journal of Computational Physics*, 109(1):76–83, November 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183712003`.

Polstyanko:1998:TLH

[PL98] Sergey V. Polstyanko and Jin-Fa Lee. Two-level hierarchical FEM method for modeling passive microwave devices. *Journal of Computational Physics*, 140(2):400–420, March 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999198958880.

Papalexandris:1997:USH

[PLD97] Miltiadis V. Papalexandris, Anthony Leonard, and Paul E. Dimotakis. Unsplit schemes for hyperbolic conservation laws with source terms in one space dimension. *Journal of Computational Physics*, 134(1):31–61, June 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197956928.

Plimpton:1995:FPA

[Pli95] Steve Plimpton. Fast parallel algorithms for short-range molecular dynamics. *Journal of Computational Physics*, 117(1):1–19, March 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199918571039X.

Pathria:1990:PSS

[PM90] D. Pathria and J. Ll. Morris. Pseudo-spectral solution of nonlinear Schrödinger equations. *Journal of Computational Physics*, 87(1):108–125, March 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090228S.

Petersson:1992:CFA

[PM92] N. Anders Petersson and Johan F. Malmliden. Computing the flow around a submergedj body using composite grids. *Journal of Computational Physics*, 103(1):187, November 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290336W.

Petersson:1993:CFA

[PM93] N. Anders Petersson and Johan F. Malmliden. Computing the flow around a submerged body using composite grids. *Journal of Computational Physics*, 105(1):47–57, March 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183710521.

Priymak:1998:ANS

[PM98] V. G. Priymak and T. Miyazaki. Accurate Navier–Stokes investigation of transitional and turbulent flows in a circular pipe. *Journal of Computational Physics*, 142(2):370–411, May 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959319`.

Place:1999:LSM

[PM99] David Place and Peter Mora. The lattice solid model to simulate the physics of rocks and earthquakes: Incorporation of friction. *Journal of Computational Physics*, 150(2):332–372, April 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199961843`.

Peng:1999:PBF

[PMO+99] Danping Peng, Barry Merriman, Stanley Osher, Hongkai Zhao, and Myungjoo Kang. A PDE-based fast local level set method. *Journal of Computational Physics*, 155(2):410–438, November 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963453`.

Pokharna:1997:RTP

[PMR97] Himanshu Pokharna, Michitsugu Mori, and Victor H. Ransom. Regularization of two-phase flow models: a comparison of numerical and differential approaches. *Journal of Computational Physics*, 134(2):282–295, July 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956953`.

Paik:1994:TCH

[PNC94] Seungho Paik, Hoa D. Nguyen, and Jacob N. Chung. Transient conjugated heat transfer analysis from a sphere with nonlinear boundary conditions. *Journal of Computational Physics*, 115(2):423–430, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184712071`.

Provenzale:1990:NFA

[PO90] A. Provenzale and A. R. Osborne. Nonlinear Fourier analysis for the infinite-interval Korteweg–de Vries equation II: Numerical tests of the direct scattering transform. *Journal of Computational Physics*, 89(2):489, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190901603`.

Provenzale:1991:NFA

[PO91] A. Provenzale and A. R. Osborne. Nonlinear Fourier analysis for the infinite-interval Korteweg–de Vries equation II: Numerical tests of the direct scattering transform. *Journal of Computational Physics*, 94(2):314–351, June 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191902249`.

Pointon:1991:SCB

[Poi91] T. D. Pointon. Slanted conducting boundaries and field emission of particles in an electromagnetic particle simulation code. *Journal of Computational Physics*, 96(1):143–162, September 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190269Q`.

Poinsot:1992:BCDb

[Poi92] T. J. Poinsot. Boundary conditions for direct simulations of compressible viscous flows. *Journal of Computational Physics*, 99(2):352, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290227P`.

Pope:1995:PMT

[Pop95] S. B. Pope. Particle method for turbulent flows: Integration of stochastic model equations. *Journal of Computational Physics*, 117(2):332–349, March 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710704`.

Poyd:1992:ATK

[Poy92] John Poyd. The arc tangent and Kepler–Burger mappings for periodic solutions with a shock, front, or internal boundary layer. *Journal of Computational Physics*, 98(1):178, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290183Y`.

Pozrikidis:1999:SEM

[Poz99] C. Pozrikidis. A spectral-element method for particulate Stokes flow. *Journal of Computational Physics*, 156(2):360–381, December 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963751`.

Peskin:1993:IVC

[PP93] Charles S. Peskin and Beth Feller Printz. Improved volume conservation in the computation of flows with immersed elastic boundaries. *Journal of Computational Physics*, 105(1):33–46, March 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918371051X`.

Parker:1992:SBC

[PPBC92] S. E. Parker, R. J. Procassini, C. K. Birdsall, and B. I. Cohen. A suitable boundary condition for bounded plasma simulation without sheath resolution. *Journal of Computational Physics*, 101(2):453, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290031S`.

Parker:1993:SBC

[PPBC93] S. E. Parker, R. J. Procassini, C. K. Birdsall, and B. I. Cohen. A suitable boundary condition for bounded plasma simulation without sheath resolution. *Journal of Computational Physics*, 104(1):41–49, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710053`.

Peraire:1992:ARTa

[PPM92a] J. Peraire, J. Peiró, and K. Morgan. Adaptive remeshing for three-dimensional compressible flow computations. *Jour-*

nal of Computational Physics, 101(1):229, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290068A`.

Peraire:1992:ARTb

[PPM92b] J. Peraire, J. Peiró, and K. Morgan. Adaptive remeshing for three-dimensional compressible flow computations. *Journal of Computational Physics*, 103(2):269–285, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290401J`.

Perthame:1994:VVL

[PQ94] Benoît Perthame and Youchun Qiu. A variant of van Leer's method for multidimensional systems of conservation laws. *Journal of Computational Physics*, 112(2):370–381, June 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711077`.

Phillips:1993:TSP

[PR93a] Timothy N. Phillips and Gareth W. Roberts. The treatment of spurious pressure modes in spectral incompressible flow calculations. *Journal of Computational Physics*, 105(1):150–164, March 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710600`.

Purnell:1993:EBF

[PR93b] Don K. Purnell and Michael J. Revell. Energy-bounded flow approximation on a Cartesian-product grid over rough terrain. *Journal of Computational Physics*, 107(1):51–65, July 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711241`.

Prisco:1990:ODS

[Pri90] G. Prisco. Optimization of direct simulation Monte Carlo (DSMC) codes for vector processing. *Journal of Computational Physics*, 90(1):269, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090213K`.

Prisco:1991:ODS

[Pri91] G. Prisco. Optimization of direct simulation Monte Carlo (DSMC) codes for vector processing. *Journal of Computational Physics*, 94(2):454–466, June 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190230I`.

Priestley:1993:QRM

[Pri93] A. Priestley. A quasi-Riemannian method for the solution of one-dimensional shallow water flow. *Journal of Computational Physics*, 106(1):139–146, May 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710983`.

Priestley:1994:EPL

[Pri94] A. Priestley. Exact projections and the Lagrange–Galerkin method: a realistic alternative to quadrature. *Journal of Computational Physics*, 112(2):316–333, June 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711041`.

Priymak:1995:PAN

[Pri95] V. G. Priymak. Pseudospectral algorithms for Navier–Stokes simulation of turbulent flows in cylindrical geometry with coordinate singularities. *Journal of Computational Physics*, 118(2):366–379, May 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711060`.

Prigozhin:1996:BMS

[Pri96] Leonid Prigozhin. The bean model in superconductivity: Variational formulation and numerical solution. *Journal of Computational Physics*, 129(1):190–200, November 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902430`.

Prigozhin:1998:STF

[Pri98] Leonid Prigozhin. Solution of thin film magnetization problems in type-II superconductivity. *Journal of Computational Physics*, 144(1):180–193, July 20, 1998. CODEN

JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959782.

Powell:1999:SAU

[PRL+99] Kenneth G. Powell, Philip L. Roe, Timur J. Linde, Tamas I. Gombosi, and Darren L. De Zeeuw. A solution-adaptive upwind scheme for ideal magnetohydrodynamics. *Journal of Computational Physics*, 154(2):284–309, September 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919996299X.

Pinero:1990:BSE

[PRMV90] Petra Pinero, Luis F. Rull, Juan J. Morales, and JoséM Velarde. Baxter solution to the O–Z equation near the critical point. *Journal of Computational Physics*, 88(2):490–494, June 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190901924.

Papageorgiou:1990:ASE

[PRS90] C. D. Papageorgiou, A. D. Raptis, and T. E. Simos. An algorithm for the solution of the eigenvalue Schrödinger equation. *Journal of Computational Physics*, 88(2):477–483, June 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090190C.

Pryce:1994:ERC

[Pry94] John D. Pryce. Efficient, reliable computation of resonances of the one-dimensional Schrödinger equation. *Journal of Computational Physics*, 112(2):234–246, June 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184710953.

Pereira:1993:FVC

[PS93a] J. C. F. Pereira and J. M. M. Sousa. Finite volume calculations of self-sustained oscillations in a grooved channel. *Journal of Computational Physics*, 106(1):19–29, May 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183710879.

Poedts:1993:CIM

[PS93b] Stefaan Poedts and Elisabeth Schwartz. Computation of the ideal-MHD continuous spectrum in axisymmetric plasmas. *Journal of Computational Physics*, 105(1):165–168, March 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710612`.

Pasik:1999:MPM

[PSL99] Michael F. Pasik, David B. Seidel, and Raymond W. Lemke. A modified perfectly matched layer implementation for use in electromagnetic PIC codes. *Journal of Computational Physics*, 148(1):125–132, January 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961071`.

Pelekasis:1992:HFB

[PTM92] N. A. Pelekasis, J. A. Tsamopoulos, and G. D. Manolis. A hybrid finite-boundary element method for inviscid flows with free surface. *Journal of Computational Physics*, 101(2):231–251, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290001F`.

Puckett:1997:INM

[Puc97] Gerry Puckett. Introduction to "A Numerical Method for Solving Incompressible Viscous Flow Problems". *Journal of Computational Physics*, 135(2):115–117, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957697`.

Pulliam:1993:TCO

[PV93] Thomas H. Pulliam and John A. Vastano. Transition to chaos in an open unforced 2D flow. *Journal of Computational Physics*, 105(1):133–149, March 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710594`.

Peyrard:1999:RSI

[PV99] P. F. Peyrard and P. Villedieu. A Roe scheme for ideal MHD equations on 2D adaptively refined triangular grids. *Journal*

of Computational Physics, 150(2):373–393, April 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199961983`.

Pinelli:1997:SMM

[PVQ97] A. Pinelli, A. Vacca, and A. Quarteroni. A spectral multidomain method for the numerical simulation of turbulent flows. *Journal of Computational Physics*, 136(2):546–558, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957806`.

Pavlo:1998:LSA

[PVVS98] Pavol Pavlo, George Vahala, Linda Vahala, and Min Soe. Linear stability analysis of thermo-lattice Boltzmann models. *Journal of Computational Physics*, 139(1):79–91, January 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958642`.

Prendergast:1993:NHG

[PX93] Kevin H. Prendergast and Kun Xu. Numerical hydrodynamics from gas-kinetic theory. *Journal of Computational Physics*, 109(1):53–66, November 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711988`.

Piette:1998:NID

[PZ98] B. Piette and W. J. Zakrzewski. Numerical integration of $(2+1)$ dimensional PDEs for S^2 valued functions. *Journal of Computational Physics*, 145(1):359–381, September 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960132`.

Petropoulos:1998:RSL

[PZC98] Peter G. Petropoulos, Li Zhao, and Andreas C. Cangellaris. A reflectionless sponge layer absorbing boundary condition for the solution of Maxwell's equations with high-order staggered finite difference schemes. *Journal of Computational Physics*, 139(1):184–208, January 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print),

1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197958551.

Qiu:1999:ICA

[QF99] Yanghui Qiu and Charlotte Froese Fischer. Integration by cell algorithm for Slater integrals in a spline basis. *Journal of Computational Physics*, 156(2):257–271, December 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199963611.

Qi:1998:EPM

[QG98] Quan Qi and Thomas L. Geers. Evaluation of the perfectly matched layer for computational acoustics. *Journal of Computational Physics*, 139(1):166–183, January 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919795868X.

Qi:1993:NSW

[Qi93] Anmin Qi. Numerical study of wave propagation on vortex filaments. *Journal of Computational Physics*, 104(1):185–210, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199918371020X.

Quartapelle:1990:NST

[QR90] L. Quartapelle and S. Rebay. Numerical solution of two-point boundary value problems. *Journal of Computational Physics*, 86(2):314–354, February 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999190901049.

Quon:1990:NAS

[QS90] Charles Quon and Helmuth Sandstrom. A numerical algorithm to study internal solitary waves. *Journal of Computational Physics*, 86(1):168–186, January 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090096J.

Qiu:1998:NSF

[QS98] Y. Qiu and D. M. Sloan. Numerical solution of Fisher's equation using a moving mesh method. *Journal of Com-*

putational Physics, 146(2):726–746, November 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960818`.

Qian:1998:FTM

[QTL98] J. Qian, G. Tryggvason, and C. K. Law. A front tracking method for the motion of premixed flames. *Journal of Computational Physics*, 144(1):52–69, July 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959915`.

Qian:1993:WNS

[QW93] Sam Qian and John Weiss. Wavelets and the numerical solution of partial differential equations. *Journal of Computational Physics*, 106(1):155–175, May 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711009`.

Ramaswamy:1990:NSUa

[Ram90a] Balasubramaniam Ramaswamy. Numerical simulation of unsteady viscous free-surface flow. *Journal of Computational Physics*, 87(2):495, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190902664`.

Ramaswamy:1990:NSUb

[Ram90b] Balasubramaniam Ramaswamy. Numerical simulation of unsteady viscous free surface flow. *Journal of Computational Physics*, 90(2):396–430, October 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090173X`.

Ramachandran:1992:NSMa

[Ram92a] P. A. Ramachandran. A numerical solution method for boundary value problems containing an undetermined parameter. *Journal of Computational Physics*, 100(2):433, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290254V`.

Ramachandran:1992:NSMb

[Ram92b] P. A. Ramachandran. A numerical solution method for boundary value problems containing an undetermined parameter. *Journal of Computational Physics*, 102(1):63–71, September 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999105800051`.

Rambo:1995:FGI

[Ram95] P. W. Rambo. Finite-grid instability in quasineutral hybrid simulations. *Journal of Computational Physics*, 118(1):152–158, April 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710868`.

Ramahi:1997:CBO

[Ram97a] Omar M. Ramahi. Complementary boundary operators for wave propagation problems. *Journal of Computational Physics*, 133(1):113–128, May 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956588`.

Rambo:1997:NHH

[Ram97b] P. W. Rambo. Numerical heating in hybrid plasma simulations. *Journal of Computational Physics*, 133(1):173–180, May 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956783`.

Rapaport:1993:NAB

[Rap93] D. C. Rapaport. A note on algorithms for billiard-ball dynamics. *Journal of Computational Physics*, 105(2):367–368, April 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918371082X`.

Ravichandran:1997:HOK

[Rav97] K. S. Ravichandran. Higher order KFVS algorithms using compact upwind difference operators. *Journal of Computational Physics*, 130(2):161–173, January 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955618`.

Rawitscher:1990:AAB

[Raw90] George H. Rawitscher. Accuracy analysis of a Bessel spectral on method for the solution of scattering equations. *Journal of Computational Physics*, 90(1):267, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090206G`.

Rawitscher:1991:AAB

[Raw91] George H. Rawitscher. Accuracy analysis of a Bessel spectral function method for the solution of scattering equations. *Journal of Computational Physics*, 94(1):81–101, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190138B`.

Restrepo:1995:DMF

[RB95] Juan Mario Restrepo and Jerry L. Bona. Discretization of a model for the formation of longshore sand ridges. *Journal of Computational Physics*, 122(1):129–142, November 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185712028`.

Ramshaw:1995:ISI

[RC95] J. D. Ramshaw and C. H. Chang. Iteration scheme for implicit calculations of kinetic and equilibrium chemical reactions in fluid dynamics. *Journal of Computational Physics*, 116(2):359–364, February 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710339`.

Ramakrishna:1992:NMT

[RCA92] K. Ramakrishna, I. M. Cohen, and P. S. Ayyaswamy. Numerical methods for two-dimensional analysis of electrical breakdown in a non-uniform gap. *Journal of Computational Physics*, 101(2): 454, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290034V`.

Ramakrishna:1993:NMT

[RCA93] K. Ramakrishna, I. M. Cohen, and P. S. Ayyaswamy. Numerical methods for two-dimensional analysis of electrical breakdown in a

non-uniform gap. *Journal of Computational Physics*, 104(1):173–184, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710193`.

Reid:1992:DSPa

[RCAM92a] Donald Reid, Andrew Chan, and Mustafa Al-Mudares. A direct solution of Poisson's equation in a three-dimensional field-effect transistor structure. *Journal of Computational Physics*, 98(2): 349, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290161Q`.

Reid:1992:DSPb

[RCAM92b] Donald Reid, Andrew Chan, and Mustafa Al-Mudares. A direct solution of Poisson's equation in a three-dimensional field-effect transistor structure. *Journal of Computational Physics*, 99(1): 79–83, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192902765`.

Rambo:1991:FFA

[RD91] P. W. Rambo and J. Denavit. Fluid and field algorithms for time-implicit plasma simulation. *Journal of Computational Physics*, 92(1):185–212, January 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190297X`.

Rambo:1992:TIFa

[RD92a] P. W. Rambo and J. Denavit. Time-implicit fluid simulation of collisional plasmas. *Journal of Computational Physics*, 98(1): 180, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192901944`.

Rambo:1992:TIFb

[RD92b] P. W. Rambo and J. Denavit. Time-implicit fluid simulation of collisional plasmas. *Journal of Computational Physics*, 98(2):317–331, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290145O`.

Read:1997:IET

[Rea97] F. H. Read. Improved extrapolation technique in the boundary element method to find the capacitances of the unit square and cube. *Journal of Computational Physics*, 133(1):1–5, May 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955199`.

Rebay:1993:EUM

[Reb93] S. Rebay. Efficient unstructured mesh generation by means of Delaunay triangulation and Bowyer–Watson algorithm. *Journal of Computational Physics*, 106(1):125–138, May 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710971`.

Reiter:1992:ADMa

[Rei92a] Johann Reiter. An algorithm for deconvolution by the maximum entropy method with astronomical applications. *Journal of Computational Physics*, 101(1):228, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192900624`.

Reiter:1992:ADMb

[Rei92b] Johann Reiter. An algorithm for deconvolution by the maximum entropy method with astronomical applications. *Journal of Computational Physics*, 103(1):169–183, November 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290332S`.

Reich:1999:MTS

[Rei99] Sebastian Reich. Multiple time scales in classical and quantum-classical molecular dynamics. *Journal of Computational Physics*, 151(1):49–73, May 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961423`.

Renaut:1992:ABCa

[Ren92a] R. A. Renaut. Absorbing boundary conditions, difference operators, and stability. *Journal of Computational Physics*, 100(2):

434, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290257Y.

Renaut:1992:ABCb

[Ren92b] R. A. Renaut. Absorbing boundary conditions, difference operators, and stability. *Journal of Computational Physics*, 102(2):236–251, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290369A.

Ratowsky:1990:TAD

[RF90] R. P. Ratowsky and J. A. Fleck, Jr. Treatment of angular derivatives in the Schrödinger equation by the finite Fourier series method. *Journal of Computational Physics*, 89(2):490, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090163U.

Ratowsky:1991:TAD

[RF91] R. P. Ratowsky and J. A. Fleck, Jr. Treatment of angular derivatives in the Schrödinger equation by the finite Fourier series method. *Journal of Computational Physics*, 93(2):376–387, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190190V.

Rokicki:1995:DDC

[RF95] J. Rokicki and J. M. Floryan. Domain decomposition and the compact fourth-order algorithm for the Navier–Stokes equations. *Journal of Computational Physics*, 116(1):79–96, January 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185710078.

Renaut:1996:PCM

[RF96] Rosemary Renaut and Jochen Fröhlich. A pseudospectral Chebychev method for the 2D wave equation with domain stretching and absorbing boundary conditions. *Journal of Computational Physics*, 124(2):324–336, March 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900637.

Robinson:1993:NSC

[RFH93] M. P. Robinson, G. Fairweather, and B. M. Herbst. On the numerical solution of the cubic Schrödinger equation in one space variable. *Journal of Computational Physics*, 104(1):277–284, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710296`.

Richardson:1993:USE

[RFL93] John L. Richardson, Robert C. Ferrell, and Lyle N. Long. Unconditionally stable explicit algorithms for nonlinear fluid dynamics problems. *Journal of Computational Physics*, 104(1):69–74, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710089`.

Reiman:1990:CZT

[RG90] A. H. Reiman and H. S. Greenside. Computation of zero β three-dimensional equilibria with magnetic islands. *Journal of Computational Physics*, 87(2):349–365, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190902572`.

Renaud:1997:DPS

[RG97] François Renaud and Serge Gauthier. A dynamical pseudo-spectral domain decomposition technique: Application to viscous compressible flows. *Journal of Computational Physics*, 131(1):89–108, February 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919695576X`.

Ramsden:1991:TLP

[RH91] Dave Ramsden and Greg Holloway. Timestepping Lagrangian particles in two dimensional Eulerian flow fields. *Journal of Computational Physics*, 95(1):101–116, July 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190255J`.

Rombouts:1998:AEA

[RH98] S. Rombouts and K. Heyde. An accurate and efficient algorithm for the computation of the characteristic polynomial of a general

square matrix. *Journal of Computational Physics*, 140(2):453–458, March 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959095`.

Rivoalen:1999:NSA

[RH99] E. Rivoalen and S. Huberson. Numerical simulation of axisymmetric viscous flows by means of a particle method. *Journal of Computational Physics*, 152(1):1–31, June 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962101`.

Rovelstad:1994:EIE

[RHB94] Amy L. Rovelstad, Robert A. Handler, and Peter S. Bernard. The effect of Interpolation errors on the Lagrangian analysis of simulated turbulent channel flow. *Journal of Computational Physics*, 110(1):190–195, January 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710151`.

Roy:1996:TDP

[RHT96] Robie I. Samanta Roy, Daniel E. Hastings, and Steven Taylor. Three-dimensional plasma particle-in-cell calculations of ion thruster backflow contamination. *Journal of Computational Physics*, 128(1):6–18, October 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901928`.

Riedel:1994:OED

[Rie94a] Kurt S. Riedel. Optimal estimation of dynamically evolving diffusivities. *Journal of Computational Physics*, 115(1):1–11, November 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711739`.

Rief:1994:SMC

[Rie94b] Herbert Rief. A synopsis of Monte Carlo perturbation algorithms. *Journal of Computational Physics*, 111(1):33–48, March 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710412`.

Rieffel:1999:MEC

[Rie99a] Marc A. Rieffel. A method for estimating the computational requirements of DSMC simulations. *Journal of Computational Physics*, 149(1):95–113, February 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919896140X`.

Rietdijk:1999:NBR

[Rie99b] R. H. Rietdijk. Notes on big ray tracing. *Journal of Computational Physics*, 148(1):149–168, January 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961137`.

Rigal:1994:HOD

[Rig94] Alain Rigal. High order difference schemes for unsteady one-dimensional diffusion-convection problems. *Journal of Computational Physics*, 114(1):59–76, September 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711491`.

Ronchi:1996:CSN

[RIP96] C. Ronchi, R. Iacono, and P. S. Paolucci. The "cubed sphere": a new method for the solution of partial differential equations in spherical geometry. *Journal of Computational Physics*, 124(1):93–114, March 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900479`.

Rosenfeld:1990:MST

[RIW90] Moshe Rosenfeld, Moshe Israeli, and Micha Wolfshtfin. A method for solving three-dimensional viscous incompressible flows over slender bodies. *Journal of Computational Physics*, 88(2):255–283, June 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190901809`.

Raad:1993:CSC

[RK93] Peter E. Raad and Andreas Karageorghis. A Chebyshev spectral collocation method for the solution of the Reynolds equation of lubrication. *Journal of Computational Physics*, 106(1):

42–51, May 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183710892.

Radespiel:1995:AFV

[RK95] R. Radespiel and N. Kroll. Accurate flux vector splitting for shocks and shear layers. *Journal of Computational Physics*, 121(1):66–78, October 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185711795.

Rider:1998:RVT

[RK98] William J. Rider and Douglas B. Kothe. Reconstructing volume tracking. *Journal of Computational Physics*, 141(2):112–152, April 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919895906X.

Rider:1999:TSS

[RK99] William J. Rider and Dana A. Knoll. Time step size selection for radiation diffusion calculations. *Journal of Computational Physics*, 152(2):790–795, July 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199962666.

Ramaswamy:1997:TDS

[RKJ97] B. Ramaswamy, S. Krishnamoorthy, and S. W. Joo. Three-dimensional simulation of instabilities and rivulet formation in heated falling films. *Journal of Computational Physics*, 131(1):70–88, February 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196955126.

Rider:1999:MNK

[RKO99] William J. Rider, Dana A. Knoll, and Gordon L. Olson. A multigrid Newton–Krylov method for multimaterial equilibrium radiation diffusion. *Journal of Computational Physics*, 152(1):164–191, June 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199919996240X.

Rosenfeld:1990:FSS

[RKV90] Moshe Rosenfeld, Dochan Kwak, and Marxel Vinokur. A fractional step solution method for the unsteady incompressible Navier–Stokes equations in generalized coordinate systems. *Journal of Computational Physics*, 90(1):267, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090208I`.

Rosenfeld:1991:FSS

[RKV91] Moshe Rosenfeld, Dochan Kwak, and Marcel Vinokur. A fractional step solution method for the unsteady incompressible Navier–Stokes equations in generalized coordinate systems. *Journal of Computational Physics*, 94(1):102–137, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190139C`.

Restrepo:1995:WGD

[RL95] Juan Mario Restrepo and Gary K. Leaf. Wavelet-Galerkin discretization of hyperbolic equations. *Journal of Computational Physics*, 122(1):118–128, November 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185712016`.

Rennich:1997:NMI

[RL97] Steven C. Rennich and Sanjiva K. Lele. Numerical method for incompressible vortical flows with two unbounded directions. *Journal of Computational Physics*, 137(1):101–129, October 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919795796X`.

Roth:1990:IMS

[RLM90] M. Roth, J. Lemaire, and A. Misson. An iterative method to solve the nonlinear Poisson's equation in the case of plasma tangential discontinuities. *Journal of Computational Physics*, 86(2):466–486, February 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090109E`.

Reglat:1993:NFS

[RLT93] O. Réglat, R. Labrie, and P. A. Tanguy. A new free surface model for the dip coating process. *Journal of Computational Physics*, 109(2):238–246, December 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183712155`.

Rai:1990:DST

[RM90] Man Mohan Rai and Parvis Moin. Direct simulations of turbulent flow using finite-difference schemes. *Journal of Computational Physics*, 91(1):251, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090024U`.

Rai:1991:DST

[RM91] Man Mohan Rai and Parviz Moin. Direct simulations of turbulent flow using finite-difference schemes. *Journal of Computational Physics*, 96(1):15–53, September 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190264L`.

Rai:1993:DNS

[RM93] Man Mohan Rai and Parviz Moin. Direct numerical simulation of transition and turbulence in a spatially evolving boundary layer. *Journal of Computational Physics*, 109(2):169–192, December 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183712106`.

Ruuth:1999:CGM

[RMO99] Steven J. Ruuth, Barry Merriman, and Stanley Osher. Convolution-generated motion as a link between cellular automata and continuum pattern dynamics. *Journal of Computational Physics*, 151(2):836–861, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919996223X`.

Ross:1996:CSO

[RMSB96] Hughan J. Ross, Luke F. McAven, Kiminari Shinagawa, and Philip H. Butler. Calculating spin-orbit matrix elements with

RACAH. *Journal of Computational Physics*, 128(2):331–340, October 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902144`.

Rajagopal:1994:OEM

[RN94] G. Rajagopal and R. J. Needs. An optimized Ewald method for long-ranged potentials. *Journal of Computational Physics*, 115(2):399–405, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184712058`.

Robson:1991:CDO

[RNSV91] R. E. Robson, K. F. Ness, G. E. Sneddon, and Larry A. Viehland. Comment on the discrete ordinate method in the kinetic theory of gases. *Journal of Computational Physics*, 92(1):213–229, January 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190298Y`.

Roberts:1990:BFD

[Rob90a] Thomas W. Roberts. The behavior of flux difference splitting schemes near slowly moving shock waves. *Journal of Computational Physics*, 90(1):141–160, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090200K`.

Robinson:1990:SMC

[Rob90b] P. A. Robinson. Systematic methods for calculation of the dielectric properties of arbitrary plasmas. *Journal of Computational Physics*, 88(2):381–392, June 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190901854`.

Roberts:1999:TDD

[Rob99] Thomas M. Roberts. Time-domain deconvolution removes the effects of near-field scatterers. *Journal of Computational Physics*, 149(2):293–305, March 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919896154X`.

Roe:1997:ARS

[Roe97a] P. L. Roe. Approximate Riemann solvers, parameter vectors, and difference schemes. *Journal of Computational Physics*, 135(2):250–258, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957053`.

Roe:1997:P

[Roe97b] Phil Roe. Preface. *Journal of Computational Physics*, 135(2): 99, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957594`.

Rokhlin:1990:RSI

[Rok90] Vladimir Rokhlin. Rapid solution of integral equations of scattering theory in two dimensions. *Journal of Computational Physics*, 86(2):414–439, February 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090107C`.

Romate:1992:ABCa

[Rom92a] J. E. Romate. Absorbing boundary conditions for free surface waves. *Journal of Computational Physics*, 98(2):347–348, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290153P`.

Romate:1992:ABCb

[Rom92b] J. E. Romate. Absorbing boundary conditions for free surface waves. *Journal of Computational Physics*, 99(1):135–145, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192902813`.

Rom:1997:QDS

[Rom97] A. Y. Rom. Quasiparticles density of states and the scattering rate in ideal type II superconductor by a time-dependent approach. *Journal of Computational Physics*, 135(1):76–82, July 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957375`.

Rostand:1990:KBL

[Ros90] Philippe Rostand. Kinetic boundary layers, numerical simulations. *Journal of Computational Physics*, 86(1):18–55, January 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090090N`.

Rowlands:1991:NAH

[Row91] G. Rowlands. A numerical algorithm for Hamiltonian systems. *Journal of Computational Physics*, 97(1):235–239, November 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190046N`.

Reiman:1990:CMC

[RP90] H. Reiman and N. Pomphrey. Computation of magnetic coordinates and action-angle variables. *Journal of Computational Physics*, 90(1):270, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090217O`.

Reiman:1991:CMC

[RP91] A. H. Reiman and N. Pomphrey. Computation of magnetic coordinates and action-angle variables. *Journal of Computational Physics*, 94(1):225–249, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190144A`.

Roma:1999:AVI

[RPB99] Alexandre M. Roma, Charles S. Peskin, and Marsha J. Berger. An adaptive version of the immersed boundary method. *Journal of Computational Physics*, 153(2):509–534, August 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962939`.

Renardy:1990:NBC

[RR90] Michael Renardy and Yuriko Renardy. On the nature of boundary conditions for flows with moving free surfaces. *Journal of Computational Physics*, 89(1):255, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/002199919090142N.

Renardy:1991:NBC

[RR91] Michael Renardy and Yuriko Renardy. On the nature of boundary conditions for flows with moving free surfaces. *Journal of Computational Physics*, 93(2):325–335, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190186O.

Roberts:1990:TPF

[RS90] Lawrence J. Roberts and Kenneth S. Sorbie. Two-phase flow in porous media with multicomponent transport: Formulation and higher order numerical solution. *Journal of Computational Physics*, 86(2):440–465, February 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090108D.

Ramona:1991:ASI

[RS91] D. R. Ramona and P. Sulmont. On the accuracy of the spectral interpolation methods for sampled pseudoperiodic signals. *Journal of Computational Physics*, 97(1):30–52, November 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190037L.

Rajamaki:1994:AOD

[RS94a] Markku Rajamäki and Mika Saarinen. Accurate one-dimensional computation of frontal phenomena by PLIM. *Journal of Computational Physics*, 111(1):62–73, March 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184710448.

Russo:1994:FTV

[RS94b] Giovanni Russo and John A. Strain. Fast triangulated vortex methods for the 2D Euler equations. *Journal of Computational Physics*, 111(2):291–323, April 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184710655.

Radespiel:1995:PMS

[RS95] R. Radespiel and R. C. Swanson. Progress with multigrid schemes for hypersonic flow problems. *Journal of Computational Physics*, 116(1):103–122, January 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710091`.

Robertson:1999:FSF

[RS99a] Iain Robertson and Spencer Sherwin. Free-surface flow simulation using hp/spectral elements. *Journal of Computational Physics*, 155(1):26–53, October 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963283`.

Romero:1999:GSL

[RS99b] Aldo H. Romero and Jose M. Sancho. Generation of short and long range temporal correlated noises. *Journal of Computational Physics*, 156(1):1–11, November 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963477`.

Rjasanow:1998:RNP

[RSW98] Sergej Rjasanow, Thomas Schreiber, and Wolfgang Wagner. Reduction of the number of particles in the stochastic weighted particle method for the Boltzmann equation. *Journal of Computational Physics*, 145(1):382–405, September 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960181`.

Risebro:1992:FTM

[RT92] N. H. Risebro and A. Tveito. A front tracking method for conservation laws in one dimension. *Journal of Computational Physics*, 101(1):130–139, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192900473`.

Roosen:1994:MCG

[RT94] Andrew R. Roosen and Jean E. Taylor. Modeling crystal growth in a diffusion field using fully faceted interfaces. *Journal of*

Computational Physics, 114(1):113–128, September 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711533.

Russo:1990:PMC

[Rus90] G. Russo. A particle method for collisional kinetic equations. I. Basic theory and one-dimensional results. *Journal of Computational Physics*, 87(2):270–300, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090254X.

Russo:1993:DVM

[Rus93] Giovanni Russo. A deterministic vortex method for the Navier–Stokes equations. *Journal of Computational Physics*, 108(1):84–94, September 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183711654.

Ruuth:1998:DGA

[Ruu98a] Steven J. Ruuth. A diffusion-generated approach to multiphase motion. *Journal of Computational Physics*, 145(1):166–192, September 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960284.

Ruuth:1998:EAD

[Ruu98b] Steven J. Ruuth. Efficient algorithms for diffusion-generated motion by mean curvature. *Journal of Computational Physics*, 144(2):603–625, August 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960259.

Ruyten:1993:DCS

[Ruy93] Wilhelmus M. Ruyten. Density-conserving shape factors for particle simulations in cylindrical and spherical coordinates. *Journal of Computational Physics*, 105(2):224–232, April 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183710703.

Rumsey:1993:MFF

[RvR93] Christopher L. Rumsey, Bram vanLeer, and Philip L. Roe. A multidimensional flux function with applications to the Euler and Navier–Stokes equations. *Journal of Computational Physics*, 105(2):306–323, April 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710776`.

Rjasanow:1996:NSS

[RW96a] Sergej Rjasanow and Wolfgang Wagner. Numerical study of a stochastic weighted particle method for a model kinetic equation. *Journal of Computational Physics*, 128(2):351–362, October 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902168`.

Rjasanow:1996:SWP

[RW96b] Sergej Rjasanow and Wolfgang Wagner. A stochastic weighted particle method for the Boltzmann equation. *Journal of Computational Physics*, 124(2):243–253, March 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900571`.

Rothberg:1990:EBP

[RWC90] R. H. Rothberg, W. F. Walker, and A. J. Chapman. Enhanced boundary pressure update for incompressible flow simulation. *Journal of Computational Physics*, 88(2):495–498, June 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190901935`.

Reese:1995:SOD

[RWTC95] J. M. Reese, L. C. Woods, F. J. P. Thivet, and S. M. Candel. A second-order description of shock structure. *Journal of Computational Physics*, 117(2):240–250, March 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710625`.

Ribbens:1994:SVF

[RWW94] Calvin J. Ribbens, Layne T. Watson, and C.-Y. Wang. Steady viscous flow in a triangular cavity. *Journal of Com-*

putational Physics, 112(1):173–181, May 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710904`.

Rosenfeld:1994:ADM

[RY94] Moshe Rosenfeld and Yuval Yassour. The alternating direction multi-zone implicit method. *Journal of Computational Physics*, 110(2):212–220, February 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710199`.

Sotiropoulos:1990:CFI

[SA90a] F. Sotiropoulos and S. Abdallah. Coupled fully implicit solution procedure for the steady incompressible Navier–Stokes equations. *Journal of Computational Physics*, 87(2):328–348, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090256Z`.

Sotiropoulos:1990:DCE

[SA90b] F. Sotiropoulos and S. Abdallah. The discrete continuity equation in primitive variable solutions of incompressible flow. *Journal of Computational Physics*, 91(1):249, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090018V`.

Sotiropoulos:1991:DCE

[SA91] F. Sotiropoulos and S. Abdallah. The discrete continuity equation in primitive variable solutions of incompressible flow. *Journal of Computational Physics*, 95(1):212–227, July 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190260R`.

Sotiropoulos:1992:PVMa

[SA92a] F. Sotiropoulos and S. Abdallah. A primitive variable method for the solution of three-dimensional incompressible viscous flows. *Journal of Computational Physics*, 101(1):229, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192900727`.

Sotiropoulos:1992:PVMb

[SA92b] F. Sotiropoulos and S. Abdallah. A primitive variable method for the solution of three-dimensional incompressible viscous flows. *Journal of Computational Physics*, 103(2):336–349, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290405N`.

Scott:1995:FDF

[SA95] James R. Scott and Hafiz M. Atassi. A finite-difference, frequency-domain numerical scheme for the solution of the gust response problem. *Journal of Computational Physics*, 119(1): 75–93, June 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711175`.

Saurel:1999:MGM

[SA99] Richard Saurel and Rémi Abgrall. A multiphase Godunov method for compressible multifluid and multiphase flows. *Journal of Computational Physics*, 150(2):425–467, April 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199961879`.

Sonnendrucker:1995:FEF

[SAB95] Eric Sonnendrücker, John J. Ambrosiano, and Scott T. Brandon. A finite element formulation of the Darwin PIC model for use on unstructured grids. *Journal of Computational Physics*, 121(2):281–297, October 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999195901191`.

Sussman:1999:ALS

[SAB+99] Mark Sussman, Ann S. Almgren, John B. Bell, Phillip Colella, Louis H. Howell, and Michael L. Welcome. An adaptive level set approach for incompressible two-phase flows. *Journal of Computational Physics*, 148(1):81–124, January 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919896106X`.

Sainsaulieu:1995:FVA

[Sai95] Lionel Sainsaulieu. Finite volume approximation of two phase-fluid flows based on an approximate Roe-type Riemann solver. *Journal of Computational Physics*, 121(1):1–28, October 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918571176X`.

Sakai:1996:NFV

[Sak96] Katsuhiro Sakai. A new finite variable difference method with application to locally exact numerical scheme. *Journal of Computational Physics*, 124(2):301–308, March 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900613`.

SaldanhadaGama:1991:SSS

[Sal91] Rogerlo Martins Saldanha da Gama. Simulation of the steady-state energy transfer in rigid bodies, with convective/radiative boundary conditions, employing a minimum principle. *Journal of Computational Physics*, 97(2):583, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190027I`.

Saltzman:1994:UUM

[Sal94] Jeff Saltzman. An unsplit 3D upwind method for hyperbolic conservation laws. *Journal of Computational Physics*, 115(1):153–168, November 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711843`.

Samtaney:1997:CMS

[Sam97] Ravi Samtaney. Computational methods for self-similar solutions of the compressible Euler equations. *Journal of Computational Physics*, 132(2):327–345, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956399`.

Samareh-Abolhassani:1994:SGG

[SAS94] Jamshid Samareh-Abolhassani and John E. Stewart. Surface grid generation in a parameter space. *Journal of Com-*

putational Physics, 113(1):112–121, July 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711211.

Sulsky:1991:NMSb

[SB91] Deborah Sulsky and J. U. Brackbill. A numerical method for suspension flow. *Journal of Computational Physics*, 96(2):339–368, October 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190240L.

Schafer:1995:NST

[SB95] R. Schäfer and R. Blendowske. On the numerical solution of the time-dependent Schrödinger equation. *Journal of Computational Physics*, 119(1):206–208, June 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199918571128X.

Saiki:1996:NSC

[SB96a] E. M. Saiki and S. Biringen. Numerical simulation of a cylinder in uniform flow: Application of a virtual boundary method. *Journal of Computational Physics*, 123(2):450–465, February 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900364.

Stevens:1996:FTA

[SB96b] David E. Stevens and Christopher S. Bretherton. A forward-in-time advection scheme and adaptive multilevel flow solver for nearly incompressible atmospheric flow. *Journal of Computational Physics*, 129(2):284–295, December 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196902508. See erratum [Ano97-29].

Strickland:1998:MCG

[SB98] James H. Strickland and Roy S. Baty. Modification of the Carrier, Greengard, and Rokhlin FMM for independent source and target fields. *Journal of Computational Physics*, 142(1):123–128, May 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959071.

Simons:1999:LGA

[SBC99] Neil R. S. Simons, Greg E. Bridges, and Michel Cuhaci. A lattice gas automaton capable of modeling three-dimensional electromagnetic fields. *Journal of Computational Physics*, 151(2):816–835, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962216`.

Schneider:1999:EFV

[SBGK99] T. Schneider, N. Botta, K. J. Geratz, and R. Klein. Extension of finite volume compressible flow solvers to multi-dimensional, variable density zero Mach number flows. *Journal of Computational Physics*, 155(2):248–286, November 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963271`.

Sethian:1992:TDV

[SBGM92] J. A. Sethian, Jean-Philippe Brunet, Adam Greenberg, and Jill P. Mesirov. Two-dimensional, viscous, incompressible flow in complex geometries on a massively parallel processor. *Journal of Computational Physics*, 101(1):185–206, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290052Z`.

Sharafeddin:1992:NES

[SBKH92] Omar A. Sharafeddin, H. Ferrel Bowen, Donald J. Kouri, and David K. Hoffman. Numerical evaluation of spherical Bessel transforms via Fast Fourier Transforms. *Journal of Computational Physics*, 100(2):294–296, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290236R`.

Sinkovits:1993:TRS

[SBO93] R. S. Sinkovits, J. P. Boris, and E. S. Oran. A technique for regularizing the structure of a monotonic Lagrangian grid. *Journal of Computational Physics*, 108(2):368–372, October 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711903`.

Sa:1990:FFS

[SC90] Jong-Youb Sa and Keun-Shik Chang. On far-field stream function condition for two-dimensional incompressible flows. *Journal of Computational Physics*, 91(2):398–412, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190900442`.

Sterling:1996:SAL

[SC96a] James D. Sterling and Shiyi Chen. Stability analysis of lattice Boltzmann methods. *Journal of Computational Physics*, 123(1):196–206, January 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900169`.

Sundaram:1996:NCS

[SC96b] Shivshankar Sundaram and Lance R. Collins. Numerical considerations in simulating a turbulent suspension of finite-volume particles. *Journal of Computational Physics*, 124(2):337–350, March 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900649`.

Sotiropoulos:1997:PBR

[SC97] F. Sotiropoulos and G. Constantinescu. Pressure-based residual smoothing operators for multistage pseudocompressibility algorithms. *Journal of Computational Physics*, 133(1):129–145, May 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919795662X`.

Sun:1992:RICa

[SCA92a] Y. Y. Sun, B. T. Chu, and R. E. Apfel. Radiation-induced cavitation process in a metastable superheated liquid I. Initial and pre-bubble formation stages. *Journal of Computational Physics*, 103(1):116–125, November 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290328V`.

Sun:1992:RICb

[SCA92b] Y. Y. Sun, B. T. Chu, and R. E. Apfel. Radiation-induced cavitation process in a metastable superheated liquid II. Inter-

face formation and post-interface formation stages. *Journal of Computational Physics*, 103(1):126–140, November 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290329W`.

Shuen:1993:CIM

[SCC93a] Jian-Shun Shuen, Kuo-Huey Chen, and Yunho Choi. A coupled implicit method for chemical non-equilibrium flows at all speeds. *Journal of Computational Physics*, 106(2):306–318, June 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711101`.

Szego:1993:NSB

[SCC93b] Sandor Szego, Pasquale Cinnella, and Al B. Cunningham. Numerical simulation of biofilm processes in closed conduits. *Journal of Computational Physics*, 108(2):246–263, October 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711800`.

Sidikman:1994:DWT

[SCG94] K. L. Sidikman, B. A. Carreras, and L. Garcia. Drift wave turbulence in a plasma with sheared flow. *Journal of Computational Physics*, 114(1):100–112, September 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711521`.

Schwarz:1990:VVT

[Sch90] K. W. Schwarz. On the validity of vortex-tangle simulations of homogeneous superfluid turbulence. *Journal of Computational Physics*, 87(1):237–240, March 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090236T`.

Schoombie:1992:DMSb

[Sch92a] S. W. Schoombie. A discrete multiple scales analysis of a discrete version of the Korteweg–de Vries equation. *Journal of Computational Physics*, 99(2):352, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/002199919290222K.

Schoombie:1992:DMSa

[Sch92b] S. W. Schoombie. A discrete multiple scales analysis of a discrete version of the Korteweg–de Vries equation. *Journal of Computational Physics*, 101(1):55–70, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290042W.

Schulkes:1992:IES

[Sch92c] R. M. S. M. Schulkes. Interactions of an elastic solid with a viscous fluid: Eigenmode analysis. *Journal of Computational Physics*, 100(2):270–283, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290234P.

Schmitz:1995:CGF

[Sch95a] F. Schmitz. On the calculation of the gravitational force of axi-symmetric infinitely thin disks. *Journal of Computational Physics*, 121(1):185–189, October 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185711886.

Schoen:1995:TEM

[Sch95b] Martin Schoen. Taylor-expansion Monte Carlo simulations of classical fluids in the canonical and grand canonical ensemble. *Journal of Computational Physics*, 118(1):159–171, April 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199918571087X.

Schmidt:1996:CTD

[Sch96] Alfred Schmidt. Computation of three dimensional dendrites with finite elements. *Journal of Computational Physics*, 125(2):293–312, May 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900959.

Schlick:1999:CMB

[Sch99] Tamar Schlick. Computational molecular biophysics today: a confluence of methodological advances and complex biomolecular applications. *Journal of Computational Physics*, 151(1):1–8, May 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962630`.

Salazar:1998:ASU

[SCM98] Abraham Salazar, Antonio Campo, and Biagio Morrone. On approximate solutions for unsteady conduction in slabs with uniform heat flux. *Journal of Computational Physics*, 144 (2):402–422, August 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919895999X`.

Shyy:1992:SNOa

[SCMU92a] W. Shyy, M.-H. Chen, R. Mittal, and H. S. Udaykumar. On the suppression of numerical oscillations using a non-linear filter. *Journal of Computational Physics*, 100(2):435, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192902662`.

Shyy:1992:SNOb

[SCMU92b] W. Shyy, M.-H. Chen, R. Mittal, and H. S. Udaykumar. On the suppression of numerical oscillations using a non-linear filter. *Journal of Computational Physics*, 102(1):49–62, September 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199910580004X`.

Scott:1996:SOA

[Sco96] Bruce D. Scott. A second-order accurate implicit scheme for strongly coupled fluid equations applied to fluid electron turbulence in a magnetised plasma. *Journal of Computational Physics*, 124(1):71–84, March 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900455`.

Scobelev:1998:QAS

[Sco98] B. Yu. Scobelev. On the question about the sufficiency of the von Neumann criterion for stability of difference schemes. *Journal of Computational Physics*, 143(1):278–282, June 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959368`.

Skeldon:1997:GDC

[SCR97] A. C. Skeldon, K. A. Cliffe, and D. S. Riley. Grid design for the computation of a hexagon-roll interaction using a finite element method. *Journal of Computational Physics*, 133(1):18–26, May 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956016`.

Succi:1999:ILR

[SCT+99] Sauro Succi, Hudong Chen, Chris Teixeira, Gino Bella, A. De Maio, and Kim Molvig. An integer lattice realization of a Lax scheme for transport processes in multiple component fluid flows. *Journal of Computational Physics*, 152(2):493–516, July 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962423`.

Sun:1994:IEH

[SCW94] Pu Sun, David P. Chock, and Sandra L. Winkler. An implicit-explicit hybrid solver for a system of stiff kinetic equations. *Journal of Computational Physics*, 115(2):515–523, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184712137`.

Sathyaprakash:1993:PAF

[SD93a] B. S. Sathyaprakash and S. V. Dhurandhar. A parallel algorithm for filtering gravitational waves from coalescing binaries. *Journal of Computational Physics*, 109(2):215–221, December 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183712131`.

Schneidesch:1993:CCM

[SD93b] C. R. Schneidesch and M. O. Deville. Chebyshev collocation method and multi-domain decomposition for Navier–Stokes equations in complex curved geometries. *Journal of Computational Physics*, 106(2):234–257, June 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711058`.

Stiller:1994:BSM

[SDG94] L. Stiller, L. L. Daemen, and J. E. Gubernatis. N-body simulations on massively parallel architectures. *Journal of Computational Physics*, 115(2):550–552, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184712162`.

Storti:1998:ADN

[SDI98] M. Storti, J. D'Elía, and S. Idelsohn. Algebraic discrete nonlocal (DNL) absorbing boundary condition for the ship wave resistance problem. *Journal of Computational Physics*, 146(2):570–602, November 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960697`.

Steelant:1997:ARM

[SDP97] J. Steelant, E. Dick, and S. Pattijn. Analysis of robust multigrid methods for steady viscous low Mach number flows. *Journal of Computational Physics*, 136(2):603–628, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957867`.

Shokoohi:1990:AET

[SE90] F. Shokoohi and H. G. Elrod. Algorithms for Eulerian treatment of jet breakup induced by surface tension. *Journal of Computational Physics*, 89(2):483–487, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090154S`.

Samson:1998:SRF

[SE98] J. H. Samson and G. A. Evans. Symmetry reduction of Fourier kernels. *Journal of Computational Physics*, 142(1):109–122, May 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959204`.

Semtner:1997:INM

[Sem97] Albert J. Semtner. Introduction to "A Numerical Method for the Study of the Circulation of the World Ocean". *Journal of Computational Physics*, 135(2):149–153, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957181`.

Sen:1999:CFE

[Sen99] R. Sen. Closed-form expressions for certain induction integrals involving Jacobi and Chebyshev polynomials. *Journal of Computational Physics*, 156(2):393–398, December 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963623`.

Serna:1996:IHC

[Ser96] Arturo Serna. Implementation of hierarchical clustering methods. *Journal of Computational Physics*, 129(1):30–40, November 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902314`.

Sethian:1994:CFE

[Set94] J. A. Sethian. Curvature flow and entropy conditions applied to grid generation. *Journal of Computational Physics*, 115(2):440–454, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184712095`.

Shang:1996:CSC

[SF96] J. S. Shang and Robert M. Fithen. A comparative study of characteristic-based algorithms for the Maxwell equations. *Journal of Computational Physics*, 125(2):378–394, May 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S002199919690100X.

Szumbarski:1999:DSM

[SF99] J. Szumbarski and J. M. Floryan. A direct spectral method for determination of flows over corrugated boundaries. *Journal of Computational Physics*, 153(2):378–402, August 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199962824.

Suh:1991:NSQ

[SFB91] Nam-Duk Suh, Marl R. Feix, and Pierre Bertrand. Numerical simulation of the quantum Liouville–Poisson system. *Journal of Computational Physics*, 94(2):403–418, June 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190227C.

Schutte:1999:DAC

[SFHD99] Ch Schütte, A. Fischer, W. Huisinga, and P. Deuflhard. A direct approach to conformational dynamics based on hybrid Monte Carlo. *Journal of Computational Physics*, 151(1):146–168, May 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199962319.

Smolarkiewicz:1990:MPD

[SG90] Piotr K. Smolarkiewicz and Wojciech W. Grabowski. The multidimensional positive definite advection transport algorithm: nonoscillatory option. *Journal of Computational Physics*, 86(2):355–375, February 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090105A.

Smolarkiewicz:1992:CMIa

[SG92a] Piotr K. Smolarkiewicz and Georg A. Grell. A class of monotone interpolation schemes. *Journal of Computational Physics*, 100 (2):435, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290265Z.

Smolarkiewicz:1992:CMIb

[SG92b] Piotr K. Smolarkiewicz and Georg A. Grell. A class of monotone interpolation schemes. *Journal of Computational Physics*, 101(2):431–440, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290018T`.

Sternberg:1994:SMM

[SG94] Natalia Sternberg and Valery A. Godyak. Solving the mathematical model of the electrode sheath in symmetrically driven RF discharges. *Journal of Computational Physics*, 111(2):347–353, April 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710680`.

Stockie:1998:SMF

[SG98] John M. Stockie and Sheldon I. Green. Simulating the motion of flexible pulp fibres using the immersed boundary method. *Journal of Computational Physics*, 147(1):147–165, November 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960867`.

Stratton:1994:CAS

[SGW94] David M. Stratton, Jason Gans, and Eric Williams. Coagulation algorithms with size binning. *Journal of Computational Physics*, 112(2):364–369, June 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711065`.

Schaefer:1990:MCF

[SH90] G. Schaefer and P. Hui. The Monte Carlo flux method. *Journal of Computational Physics*, 89(1):1–30, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090114G`.

Saitou:1992:TDU

[SH92] M. Saitou and A. Hirata. Two-dimensional unsteady solidification problem calculated by using the boundary-fitted coordinate system. *Journal of Computational Physics*, 100(1):188–196, May 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716

(electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290319T.

Song:1994:SIO

[SH94] Yuhe Song and Dale Haidvogel. A semi-implicit ocean circulation model using a generalized topography-following coordinate system. *Journal of Computational Physics*, 115(1):228–244, November 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711892.

Suresh:1997:AMP

[SH97] A. Suresh and H. T. Huynh. Accurate monotonicity-preserving schemes with Runge–Kutta time stepping. *Journal of Computational Physics*, 136(1):83–99, September 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197957454.

Schumer:1998:VSU

[SH98a] Joseph W. Schumer and James Paul Holloway. Vlasov simulations using velocity-scaled Hermite representations. *Journal of Computational Physics*, 144(2):626–661, August 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959253.

Stanescu:1998:SLD

[SH98b] D. Stanescu and W. G. Habashi. $2N$-storage low dissipation and dispersion Runge–Kutta schemes for computational acoustics. *Journal of Computational Physics*, 143(2):674–681, July 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959861.

Safouhi:1999:ERE

[SH99] H. Safouhi and P. E. Hoggan. Efficient and rapid evaluation of three-center two electron Coulomb and hybrid integrals using nonlinear transformations. *Journal of Computational Physics*, 155(2):331–347, November 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199963398.

Shang:1995:FSM

[Sha95a] J. S. Shang. A fractional-step method for solving 3D, time-domain Maxwell equations. *Journal of Computational Physics*, 118(1):109–119, April 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710832`.

Swegle:1995:SPH

[SHA95b] J. W. Swegle, D. L. Hicks, and S. W. Attaway. Smoothed particle hydrodynamics stability analysis. *Journal of Computational Physics*, 116(1):123–134, January 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710108`.

Shang:1996:TDE

[Sha96] J. S. Shang. Time-domain electromagnetic scattering simulations on multicomputers. *Journal of Computational Physics*, 128(2):381–390, October 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902181`.

Shang:1999:HOC

[Sha99] J. S. Shang. High-order compact-difference schemes for time-dependent Maxwell equations. *Journal of Computational Physics*, 153(2):312–333, August 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962794`.

Shen:1990:HBU

[She90] Jie Shen. Hopf bifurcation of the unsteady regularized driven cavity flow. *Journal of Computational Physics*, 91(1):254, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090032V`.

Shen:1991:HBU

[She91] Jie Shen. Hopf bifurcation of the unsteady regularized driven cavity flow. *Journal of Computational Physics*, 95(1):228–245, July 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190261I`.

Shen:1995:FDP

[She95] Jie Shen. On fast direct Poisson solver, INF–SUP constant and iterative Stokes solver by Legendre–Galerkin method. *Journal of Computational Physics*, 116(1):184–188, January 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710170`.

Smith:1997:MDP

[SHF97] Steven W. Smith, Carol K. Hall, and Benny D. Freeman. Molecular dynamics for polymeric fluids using discontinuous potentials. *Journal of Computational Physics*, 134(1):16–30, June 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955102`.

Shirayama:1993:PCV

[Shi93] Susumu Shirayama. Processing of computed vector fields for visualization. *Journal of Computational Physics*, 106(1):30–41, May 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710880`.

Short:1993:DCM

[Sho93] Kevin M. Short. Direct calculation of metric entropy from time series. *Journal of Computational Physics*, 104(1):162–172, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710181`.

Shuen:1990:IFSa

[Shu90] Jian-Shun Shuen. Inviscid flux-splitting algorithms for real gases with non-equilibrium chemistry. *Journal of Computational Physics*, 87(2):494, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190902653`.

Shuen:1991:UDF

[Shu91] Jian-Shun Shuen. Upwind differencing and *LU* factorization for chemical non-equilibrium Navier–Stokes equations. *Journal of Computational Physics*, 97(2):584, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/002199919190031F.

Shu:1992:NMS

[Shu92a] Chi-Wang Shu. A numerical method for systems of conservation laws of mixed type admitting hyperbolic flux splitting. *Journal of Computational Physics*, 100(2):424–429, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290249X.

Shuen:1992:UDLa

[Shu92b] Jian-Shun Shuen. Upwind differencing and LU factorization for chemical non-equilibrium Navier–Stokes equations. *Journal of Computational Physics*, 99(1):179, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192902879.

Shuen:1992:UDLb

[Shu92c] Jian-Shun Shuen. Upwind differencing and LU factorization for chemical non-equilibrium Navier–Stokes equations. *Journal of Computational Physics*, 99(2):233–250, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290205D.

Shubin:1995:AAM

[Shu95] Gregory R. Shubin. Application of alternative multidisciplinary optimization formulations to a model problem for static aeroelasticity. *Journal of Computational Physics*, 118(1):73–85, April 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185710807.

Shu:1997:PRU

[Shu97] Chi-Wang Shu. Preface to the republication of "Uniformly High Order Essentially Non-oscillatory Schemes, III," by Harten, Engquist, Osher, and Chakravarthy. *Journal of Computational Physics*, 131(1):1–2, February 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196956302.

Shyue:1998:ESC

[Shy98] Keh-Ming Shyue. An efficient shock-capturing algorithm for compressible multicomponent problems. *Journal of Computational Physics*, 142(1):208–242, May 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959307`.

Shyue:1999:FMT

[Shy99] Keh-Ming Shyue. A fluid-mixture type algorithm for compressible multicomponent flow with van der Waals equation of state. *Journal of Computational Physics*, 156(1):43–88, November 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963490`.

Shopov:1994:NSS

[SI94] Peter J. Shopov and Yuriy I. Iordanov. Numerical solution of Stokes equations with pressure and filtration boundary conditions. *Journal of Computational Physics*, 112(1):12–23, May 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710783`.

Siewert:1999:DOS

[Sie99] C. E. Siewert. A discrete-ordinates solution for heat transfer in a plane channel. *Journal of Computational Physics*, 152(1):251–263, June 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962447`.

Silling:1992:SAD

[Sil92] S. A. Silling. Stability and accuracy of differencing methods for viscoplastic models in wavecodes. *Journal of Computational Physics*, 101(2):453, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192900303`.

Silling:1993:SAD

[Sil93] S. A. Silling. Stability and accuracy of differencing methods for viscoplastic models in wavecodes. *Journal of Computational Physics*, 104(1):30–40, January 1993. CODEN

JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183710041.

Simos:1993:NVS

[Sim93] T. E. Simos. New variable-step procedure for the numerical integration of the one-dimensional Schrödinger equation. *Journal of Computational Physics*, 108(1):175–179, September 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183711721.

Simos:1999:PSE

[Sim99] T. E. Simos. P-stable exponentially fitted methods for the numerical integration of the Schrödinger equation. *Journal of Computational Physics*, 148(2):305–321, January 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198961034.

Sjogreen:1995:HOC

[Sjö95a] Björn Sjögreen. High order centered difference methods for the compressible Navier–Stokes equations. *Journal of Computational Physics*, 117(1):67–78, March 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185710455.

Sjogreen:1995:NEM

[Sjö95b] Björn Sjögreen. Numerical experiments with the multiresolution scheme for the compressible Euler equations. *Journal of Computational Physics*, 117(2):251–261, March 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185710637.

Schroder:1990:WTV

[SK90] W. Schröder and H. B. Keller. Wavy Taylor-vortex flows via multigrid-continuation methods. *Journal of Computational Physics*, 91(1):197–227, November 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090011O.

Su:1992:NSE

[SK92] Y. Y. Su and B. Khomami. Numerical solution of eigenvalue problems using spectral techniques. *Journal of Computational Physics*, 100(2):297–305, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290237S`.

Sidilkover:1993:NOS

[SK93] David Sidilkover and George Em Karniadakis. Non-oscillatory spectral element Chebyshev method for shock wave calculations. *Journal of Computational Physics*, 107(1):10–22, July 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711216`.

Scandrett:1994:DAA

[SK94] C. L. Scandrett and G. A. Kriegsmann. Decoupling approximations applied to an infinite array of fluid loaded baffled membranes. *Journal of Computational Physics*, 111(2):282–290, April 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710643`.

Sherwin:1996:THF

[SK96] S. J. Sherwin and G. E. Karniadakis. Tetrahedral hp finite elements: Algorithms and flow simulations. *Journal of Computational Physics*, 124(1):14–45, March 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919690042X`.

Schulz:1998:UFS

[SK98] Karl W. Schulz and Yannis Kallinderis. Unsteady flow structure interaction for incompressible flows using deformable hybrid grids. *Journal of Computational Physics*, 143(2):569–597, July 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959691`.

Skeel:1998:CNI

[Ske98] Robert D. Skeel. Comments on "Numerical Instability due to Varying Time Steps in Explicit Wave Propagation and Me-

chanics Calculations" by Joseph P. Wright. *Journal of Computational Physics*, 145(2):758–759, September 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960727`. See [Wri98].

Saitou:1990:NSS

[SKK90] Masatoshi Saitou, Elizaburo Kanda, and Mitsuo Kawashima. A numerical solution of the steady solidification problem in two dimensions by boundary-fitted coordinate systems. *Journal of Computational Physics*, 90(1):268, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090209J`.

Saitou:1991:NSS

[SKK91] Masatoshi Saitou, Eizaburo Kanda, and Mitsuo Kawashima. A numerical solution of the steady solidification problem in two dimensions by boundary-fitted coordinate systems. *Journal of Computational Physics*, 94(1):138–150, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190140G`.

Sherwin:1994:NSI

[SKO94] S. J. Sherwin, G. E. Karniadakis, and S. A. Orszag. Numerical simulation of the ion etching process. *Journal of Computational Physics*, 110(2):373–398, February 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710333`.

Schneider:1993:NAU

[SKR+93] V. Schneider, U. Katscher, D. H. Rischke, B. Waldhauser, J. A. Maruhn, and C.-D. Munz. New algorithms for ultra-relativistic numerical hydrodynamics. *Journal of Computational Physics*, 105(1):92–107, March 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710569`.

Stundzia:1996:SSC

[SL96] Audrius B. Stundzia and Charles J. Lumsden. Stochastic simulation of coupled reaction-diffusion processes. *Journal of*

Computational Physics, 127(1):196–207, August 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901680`.

Strauss:1998:AFE

[SL98] H. R. Strauss and D. W. Longcope. An adaptive finite element method for magnetohydrodynamics. *Journal of Computational Physics*, 147(2):318–336, December 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960910`.

Saurel:1994:EAR

[SLL94] Richard Saurel, Michel Larini, and Jean Claude Loraud. Exact and approximate Riemann solvers for real gases. *Journal of Computational Physics*, 112(1):126–137, May 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710862`.

Schnack:1998:FVA

[SLMS98] D. D. Schnack, I. Lottati, Z. Mikić, and P. Satyanarayana. A finite-volume algorithm for three-dimensional magnetohydrodynamics on an unstructured, adaptive grid in axially symmetric geometry. *Journal of Computational Physics*, 140(1):71–121, February 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198958739`.

Shuen:1990:IFSb

[SLV90] Jian-Shun Shuen, Meng-Sing Liou, and Bram Van Leer. Inviscid flux-splitting algorithms for real gases with non-equilibrium chemistry. *Journal of Computational Physics*, 90(2):371–395, October 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090172W`.

Stone:1992:UMIa

[SM92] James M. Stone and Dimitri Mihalas. Upwind monotonic interpolation methods for the solution of the time dependent radiative transfer equation. *Journal of Computational Physics*, 100(2):402–408, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print),

1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290246U.

Shariff:1998:TDM

[SM98a] Karim Shariff and Robert D. Moser. Two-dimensional mesh embedding for B-spline methods. *Journal of Computational Physics*, 145(2):471–488, September 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960533.

Smolarkiewicz:1998:MFD

[SM98b] Piotr K. Smolarkiewicz and Len G. Margolin. MPDATA: a finite-difference solver for geophysical flows. *Journal of Computational Physics*, 140(2):459–480, March 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959010.

Sanders:1998:MDU

[SMD98] Richard Sanders, Eric Morano, and Marie-Claude Druguet. Multidimensional dissipation for upwind schemes: Stability and applications to gas dynamics. *Journal of Computational Physics*, 145(2):511–537, September 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960478.

Smith:1999:AAG

[Smi99] Richard W. Smith. AUSM(ALE): a geometrically conservative arbitrary Lagrangian–Eulerian flux splitting scheme. *Journal of Computational Physics*, 150(1):268–286, March 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198961800.

Sheffer:1998:EMA

[SMJ98] Scott G. Sheffer, Luigi Martinelli, and Antony Jameson. An efficient multigrid algorithm for compressible reactive flows. *Journal of Computational Physics*, 144(2):484–516, August 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960004.

Scott:1990:PSQ

[SMM+90] T. C. Scott, R. A. Moore, M. B. Monagan, G. J. Fee, and E. R. Vrscay. Perturbative solutions of quantum mechanical problems by symbolic computation. *Journal of Computational Physics*, 87(2):366–395, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190902583`.

Smolsky:1998:LTS

[Smo98] Michael V. Smolsky. Long time-step particle pushing in drift approximation without orbit averaging. *Journal of Computational Physics*, 145(1):41–60, September 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960028`.

Spalart:1991:SMN

[SMR91] Philippe R. Spalart, Robert D. Moser, and Michael M. Rogers. Spectral methods for the Navier–Stokes equations with one infinite and two periodic directions. *Journal of Computational Physics*, 96(2):297–324, October 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190238G`.

Schlick:1998:NRA

[SMSS98] Tamar Schlick, Margaret Mandziuk, Robert D. Skeel, and K. Srinivas. Nonlinear resonance artifacts in molecular dynamics simulations. *Journal of Computational Physics*, 140(1):1–29, February 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919895879X`.

Sesterhenn:1999:CPC

[SMT99] Jörn Sesterhenn, Bernhard Müller, and Hans Thomann. On the cancellation problem in calculating compressible low Mach number flows. *Journal of Computational Physics*, 151(2):597–615, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962113`.

Shen:1999:WDD

[SMW99] Jie Shen, T. Tachim Medjo, and S. Wang. On a wind-driven, double-gyre, quasi-geostrophic ocean model: Numerical simulations and structural analysis. *Journal of Computational Physics*, 155(2):387–409, November 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963441`.

Steppeler:1990:FES

[SNL90] J. Steppeler, I. M. Navon, and H-I Lu. Finite-element schemes for extended integrations of atmospheric models. *Journal of Computational Physics*, 89(1):95–124, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090119L`.

Sha:1998:ASO

[SNU98] Weiming Sha, Koichi Nakabayashi, and Hiromasa Ueda. An accurate second-order approximation factorization method for time-dependent incompressible Navier–Stokes equations in spherical polar coordinates. *Journal of Computational Physics*, 142(1):47–66, May 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959216`.

Safjan:1995:HOT

[SO95] A. Safjan and J. T. Oden. High-order Taylor–Galerkin methods for linear hyperbolic systems. *Journal of Computational Physics*, 120(2):206–230, September 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918571159X`.

Solomonoff:1992:FAS

[Sol92] Alex Solomonoff. A fast algorithm for spectral differentiation. *Journal of Computational Physics*, 98(1):174–177, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290182X`.

Sorets:1995:FFT

[Sor95] Eugene Sorets. Fast Fourier Transforms of piecewise constant functions. *Journal of Computational Physics*, 116(2):369–379, February 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710352`.

Stuhne:1996:VEA

[SP96] G. R. Stuhne and W. R. Peltier. Vortex erosion and amalgamation in a new model of large scale flow on the sphere. *Journal of Computational Physics*, 128(1):58–81, October 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901965`.

Sabbah:1998:DFM

[SP98] C. Sabbah and R. Pasquetti. A divergence-free multidomain spectral solver of the Navier–Stokes equations in geometries of high aspect ratio. *Journal of Computational Physics*, 139(2):359–379, January 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958757`.

Stuhne:1999:NIG

[SP99] G. R. Stuhne and W. R. Peltier. New icosahedral grid-point discretizations of the shallow water equations on the sphere. *Journal of Computational Physics*, 148(1):23–58, January 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961198`.

Saleem:1992:ACS

[SPC92] M. Saleem, T. Pulliam, and A. Y. Cheer. Acceleration of convergence and spectrum transformation of implicit finite difference operators associated with Navier–Stokes equations. *Journal of Computational Physics*, 101(2):453, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290027V`.

Saleem:1993:ACS

[SPC93] M. Saleem, T. Pulliam, and A. Y. Cheer. Acceleration of convergence and spectrum transformation of implicit finite differ-

ence operators associated with Navier–Stokes equations. *Journal of Computational Physics*, 104(1):1–13, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710016`.

Sandu:1996:EIF

[SPCD96] A. Sandu, F. A. Potra, G. R. Carmichael, and V. Damian. Efficient implementation of fully implicit methods for atmospheric chemical kinetics. *Journal of Computational Physics*, 129(1):101–110, November 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902363`.

Spekreijse:1995:EGG

[Spe95] S. P. Spekreijse. Elliptic grid generation based on Laplace equations and algebraic transformations. *Journal of Computational Physics*, 118(1):38–61, April 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710789`.

Steinberg:1990:AGG

[SR90] Stanly Steinberg and Patrick J. Roache. Anomalies in grid generation on curves. *Journal of Computational Physics*, 91(2):255–277, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190900372`.

Steinberg:1992:VCSb

[SR92a] Stanley Steinberg and Patrick Roache. Variational curve and surface grid generation. *Journal of Computational Physics*, 99 (1):181, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290302F`.

Steinberg:1992:VCSa

[SR92b] Stanly Steinberg and Patrick Roache. Variational curve and surface grid generation. *Journal of Computational Physics*, 100(1): 163–178, May 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290317R`.

Srinivasan:1997:SBG

[SR97] Kumar Srinivasan and Stanley G. Rubin. Solution-based grid adaptation through segmented multigrid domain decomposition. *Journal of Computational Physics*, 136(2):467–493, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957740`.

Slinn:1998:MST

[SR98] Donald N. Slinn and J. J. Riley. A model for the simulation of turbulent boundary layers in an incompressible stratified flow. *Journal of Computational Physics*, 144(2):550–602, August 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197959830`.

Spivack:1999:RVC

[SR99] M. Spivack and D. E. Reeve. Recovery of a variable coefficient in a coastal evolution equation. *Journal of Computational Physics*, 151(2):585–596, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962046`.

Susan-Resiga:1998:DDM

[SRA98] Romeo F. Susan-Resiga and Hafiz M. Atassi. A domain decomposition method for the exterior Helmholtz problem. *Journal of Computational Physics*, 147(2):388–401, December 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960946`.

Sonnendrucker:1999:SLM

[SRBG99] Eric Sonnendrücker, Jean Roche, Pierre Bertrand, and Alain Ghizzo. The semi-Lagrangian method for the numerical resolution of the Vlasov equation. *Journal of Computational Physics*, 149(2):201–220, March 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961484`.

Shen:1993:SIS

[SRF93] Cherng-Yeu Shen, Helen L. Reed, and Thomas A. Foley. Shepard's Interpolation for solution-adaptive methods. *Journal of Computational Physics*, 106(1):52–61, May 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710909`.

Szymczak:1993:NAH

[SRSB93] William G. Szymczak, Joel C. W. Rogers, Jay M. Solomon, and Alan E. Bergert. A numerical algorithm for hydrodynamic free boundary problems. *Journal of Computational Physics*, 106(2): 319–336, June 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711113`.

Swanson:1998:SND

[SRT98] R. C. Swanson, R. Radespiel, and E. Turkel. On some numerical dissipation schemes. *Journal of Computational Physics*, 147(2):518–544, December 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961009`.

Silver:1996:KPA

[SRVK96] R. N. Silver, H. Roeder, A. F. Voter, and J. D. Kress. Kernel polynomial approximations for densities of states and spectral functions. *Journal of Computational Physics*, 124(1):115–130, March 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900480`.

Sethian:1991:CGD

[SS91] James A. Sethian and John Strain. Crystal growth and dendritic solidification. *Journal of Computational Physics*, 97(2): 581, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190020L`.

Sethian:1992:CGD

[SS92] James A. Sethian and John Straint. Crystal growth and dendritic solidification. *Journal of Computational Physics*, 98(2):231–253, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print),

1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290140T.

Salari:1994:FCT

[SS94] Kambiz Salari and Stanly Steinberg. Flux-corrected transport in a moving grid. *Journal of Computational Physics*, 111(1):24–32, March 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184710400.

Shashkov:1995:SOF

[SS95] Mikhail Shashkov and Stanly Steinberg. Support-operator finite-difference algorithms for general elliptic problems. *Journal of Computational Physics*, 118(1):131–151, April 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185710856.

Schar:1996:SIF

[SS96a] Christoph Schär and Piotr K. Smolarkiewicz. A synchronous and iterative flux-correction formalism for coupled transport equations. *Journal of Computational Physics*, 128(1):101–120, October 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901989.

Schellhase:1996:SAR

[SS96b] A. R. Schellhase and R. G. Storer. Spectral analysis of resistive MHD in toroidal geometry. *Journal of Computational Physics*, 123(1):15–31, January 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900029.

Shashkov:1996:SDE

[SS96c] Mikhail Shashkov and Stanly Steinberg. Solving diffusion equations with rough coefficients in rough grids. *Journal of Computational Physics*, 129(2):383–405, December 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196902570.

Sanchez:1999:CPS

[SS99a] Roberto Sánchez and Andrej Sali. Comparative protein structure modeling in genomics. *Journal of Computational Physics*, 151(1):388–401, May 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962009`.

Sandu:1999:MRA

[SS99b] Adrian Sandu and Tamar Schlick. Masking resonance artifacts in force-splitting methods for biomolecular simulations by extrapolative Langevin dynamics. *Journal of Computational Physics*, 151(1):74–113, May 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962022`.

Shen:1999:QNS

[SS99c] Wen Zhong Shen and Jens Nørkær Sørensen. Quasi-3D Navier–Stokes model for a rotating airfoil. *Journal of Computational Physics*, 150(2):518–548, April 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962034`.

Schumack:1990:SMS

[SSB90] Mark R. Schumack, William W. Schultz, and John P. Boyd. Spectral method solution of the Stokes equations on nonstaggered grids. *Journal of Computational Physics*, 89(2):489–490, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090161S`.

Schumack:1991:SMS

[SSB91] Mark R. Schumack, William W. Schultz, and John P. Boyd. Spectral method solution of the Stokes equations on nonstaggered grids. *Journal of Computational Physics*, 94(1):30–58, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191901369`.

Schlick:1999:ACC

[SSB+99] Tamar Schlick, Robert D. Skeel, Axel T. Brunger, Laxmikant V. Kalé, John A. Board, Jr., Jan Hermans, and Klaus Schul-

ten. Algorithmic challenges in computational molecular biophysics. *Journal of Computational Physics*, 151(1):9–48, May 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961824`.

Scales:1992:GOMa

[SSF92a] John A. Scales, Martin L. Smith, and Terri L. Fischer. Global optimization methods for highly multimodal inverse problems. *Journal of Computational Physics*, 101(1):228–229, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192900679`.

Scales:1992:GOMb

[SSF92b] John A. Scales, Martin L. Smith, and Terri L. Fischer. Global optimization methods for multimodal inverse problems. *Journal of Computational Physics*, 103(2):258–268, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290400S`.

Sussman:1994:LSA

[SSO94] Mark Sussman, Peter Smereka, and Stanley Osher. A level set approach for computing solutions to incompressible two-phase flow. *Journal of Computational Physics*, 114(1):146–159, September 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711557`.

Sackinger:1996:NRP

[SSR96] P. A. Sackinger, P. R. Schunk, and R. R. Rao. A Newton–Raphson pseudo-solid domain mapping technique for free and moving boundary problems: a finite element implementation. *Journal of Computational Physics*, 125(1):83–103, April 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900819`.

Shashkov:1998:LRV

[SSW98] Mikhail Shashkov, Blair Swartz, and Burton Wendroff. Local reconstruction of a vector field from its normal components on the faces of grid cells. *Journal of Computational Physics*, 139(2):406–409, January 20, 1998. CODEN

JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197958770.

Song:1992:DGV

[ST92a] Yuhe Song and Tao Tang. Dispersion and group velocity in numerical schemes for three-dimensional hydrodynamic equations. *Journal of Computational Physics*, 103(1):187, November 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290338Y.

Swanson:1992:CDU

[ST92b] R. C. Swanson and Eli Turkel. On central-difference and upwind schemes. *Journal of Computational Physics*, 101(2):292–306, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290007L.

Song:1993:DGV

[ST93] Yuhe Song and Tao Tang. Dispersion and group velocity in numerical schemes for three-dimensional hydrodynamic equations. *Journal of Computational Physics*, 105(1):72–82, March 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183710545.

Sawley:1995:CPP

[ST95] M. L. Sawley and J. K. Tegnér. A comparison of parallel programming models for multiblock flow computations. *Journal of Computational Physics*, 122(2):280–290, December 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185712132.

Simos:1997:SEO

[ST97] T. E. Simos and Ch. Tsitouras. A P-stable eighth-order method for the numerical integration of periodic initial-value problems. *Journal of Computational Physics*, 130(1):123–128, January 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196955679.

Sun:1999:CSA

[ST99] M. Sun and K. Takayama. Conservative smoothing on an adaptive quadrilateral grid. *Journal of Computational Physics*, 150(1):143–180, March 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961678`.

Savvidy:1991:MCS

[STAS91] G. K. Savvidy and N. G. Ter-Arutyunyan-Savvidy. On the Monte Carlo simulation of physical systems. *Journal of Computational Physics*, 97(2):566–572, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190015D`.

Steppeler:1992:SSWb

[Ste92a] J. Steppeler. Solution of the shallow water equations using hybrid grids. *Journal of Computational Physics*, 98(2):349, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290166V`.

Steppeler:1992:SSWa

[Ste92b] J. Steppeler. Solution of the shallow water equations using hybrid grids. *Journal of Computational Physics*, 100(2):419–423, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290248W`.

Sherman:1996:FSO

[STG+96] Laura L. Sherman, Arthur C. Taylor III, Larry L. Green, Perry A. Newman, Gene W. Hou, and Vamshi Mohan Korivi. First- and second-order aerodynamic sensitivity derivatives via automatic differentiation with incremental iterative methods. *Journal of Computational Physics*, 129(2):307–331, December 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902521`.

Stone:1992:UMIb

[Sto92] James M. Stone. Upwind monotonic interpolation methods for the solution of the time dependent radiative transfer equation.

Journal of Computational Physics, 99(2):351, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290220S`.

Strain:1991:FPT

[Str91] John Strain. Fast potential theory II: Layer potentials and discrete sums. *Journal of Computational Physics*, 97(2):583, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190028J`.

Strain:1992:FPTa

[Str92a] John Strain. Fast potential theory. II. Layer potentials and discrete sums. *Journal of Computational Physics*, 99(1):179, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290289B`.

Strain:1992:FPTb

[Str92b] John Strain. Fast potential theory. II. layer potentials and discrete sums. *Journal of Computational Physics*, 99(2):251–270, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290206E`.

Strand:1994:SPF

[Str94] Bo Strand. Summation by parts for finite difference approximations for d/dx. *Journal of Computational Physics*, 110(1):47–67, January 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710059`. See erratum [Ano95u].

Strain:1995:SMN

[Str95] John Strain. Spectral methods for nonlinear parabolic systems. *Journal of Computational Physics*, 122(1):1–12, November 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711916`.

Strain:1996:VMS

[Str96] John Strain. 2D vortex methods and singular quadrature rules. *Journal of Computational Physics*, 124(1):131–145, March 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900492`.

Strain:1997:FAV

[Str97] John Strain. Fast adaptive 2D vortex methods. *Journal of Computational Physics*, 132(1):108–122, March 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956260`.

Strain:1999:FTB

[Str99a] John Strain. Fast tree-based redistancing for level set computations. *Journal of Computational Physics*, 152(2):664–686, July 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962599`.

Strain:1999:SLM

[Str99b] John Strain. Semi-Lagrangian methods for level set equations. *Journal of Computational Physics*, 151(2):498–533, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199961946`.

Strain:1999:TMM

[Str99c] John Strain. Tree methods for moving interfaces. *Journal of Computational Physics*, 151(2):616–648, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962058`.

Suzuki:1997:IMC

[STS+97] Akiko Suzuki, Tomonori Takizuka, Katsuhiro Shimizu, Nobuhiko Hayashi, Akiyoshi Hatayama, and Masatada Ogasawara. An implicit Monte Carlo method for simulation of impurity transport in divertor plasma. *Journal of Computational Physics*, 131(1):193–198, February 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956004`.

Spotz:1998:FSW

[STS98] William F. Spotz, Mark A. Taylor, and Paul N. Swarztrauber. Fast shallow-water equation solvers in latitude-longitude coordinates. *Journal of Computational Physics*, 145(1):432–444, September 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960260`.

Shadid:1997:INM

[STW97] John N. Shadid, Ray S. Tuminaro, and Homer F. Walker. An inexact Newton method for fully coupled solution of the Navier–Stokes equations with heat and mass transport. *Journal of Computational Physics*, 137(1):155–185, October 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957983`.

Sulsky:1991:NMSa

[Sul91] Deborah Sulsky. A numerical method for suspension flow. *Journal of Computational Physics*, 94(1):250, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190146C`.

Sun:1993:NEA

[Sun93] Wen-Yih Sun. Numerical experiments for advection equation. *Journal of Computational Physics*, 108(2):264–271, October 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711812`.

Sun:1996:PNT

[Sun96] Pu Sun. A pseudo-non-time-splitting method in air quality modeling. *Journal of Computational Physics*, 127(1):152–157, August 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901655`.

Suresh:1994:ASN

[Sur94] Ambady Suresh. An assessment of spectral nonoscillatory schemes. *Journal of Computational Physics*, 114(2):339–349, October 1994. CODEN JCTPAH. ISSN 0021-9991 (print),

1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711715.

Shyy:1991:AVV

[SV91] Wei Shyy and Thi C. Vu. On the adoption of velocity variable and grid system for fluid flow computation in curvilinear coordinates. *Journal of Computational Physics*, 92(1):82–105, January 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190293T.

Scales:1997:LEL

[SV97] John A. Scales and Erik S. Van Vleck. Lyapunov exponents and localization in randomly layered media. *Journal of Computational Physics*, 133(1):27–42, May 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197956436.

Shankar:1996:NDP

[SvD96] S. Shankar and L. van Dommelen. A new diffusion procedure for vortex methods. *Journal of Computational Physics*, 127(1):88–109, August 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901606.

Stone:1992:NAF

[SVG92] C. A. Stone, M. Vicanek, and N. M. Ghoniem. On the numerical accuracy of the Fokker–Planck approximation to the hierarchy of master equations. *Journal of Computational Physics*, 102(2):425, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290394E.

Stone:1993:NAF

[SVG93] C. A. Stone, M. Vicanek, and N. M. Ghoniem. On the numerical accuracy of the Fokker–Planck approximation to the hierarchy of master equations. *Journal of Computational Physics*, 104(2):451–456, February 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183710430.

Saxena:1990:CFS

[SVS90] V. K. Saxena, L. L. Van Zandt, and W. K. Schroll. Closed form solution for localized modes on a polymer chain with a defect. *Journal of Computational Physics*, 89(1):254, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090138Q`.

Saxena:1991:CFS

[SVS91] V. K. Saxena, L. L. Van Zandt, and W. K. Schroll. Closed form solution for localized modes on a polymer chain with a defect. *Journal of Computational Physics*, 93(2):273–286, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190182K`.

Segal:1998:CDF

[SVV98] Guus Segal, Kees Vuik, and Fred Vermolen. A conserving discretization for the free boundary in a two-dimensional Stefan problem. *Journal of Computational Physics*, 141(1):1–21, March 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959009`.

Sanders:1992:HRS

[SW92] Richard Sanders and Alan Weiser. High resolution staggered mesh approach for nonlinear hyperbolic systems of conservation laws. *Journal of Computational Physics*, 101(2):314–329, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290009N`.

Salmon:1994:STC

[SW94] John K. Salmon and Michael S. Warren. Skeletons from the treecode closet. *Journal of Computational Physics*, 111(1):136–155, March 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `ftp://ftp.cacr.caltech.edu/nbody/skeletons.ps.Z`; `http://www.ccsf.caltech.edu/~johns/ftp/nbody/skeletons.ps.Z`; `http://www.sciencedirect.com/science/article/pii/S0021999184710503`.

Straughan:1996:TVA

[SW96] B. Straughan and D. W. Walker. Two very accurate and efficient methods for computing eigenvalues and eigenfunctions in porous convection problems. *Journal of Computational Physics*, 127(1):128–141, August 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901631`.

Shashkov:1999:CSG

[SW99a] Mikhail Shashkov and Burton Wendroff. A composite scheme for gas dynamics in Lagrangian coordinates. *Journal of Computational Physics*, 150(2):502–517, April 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199961922`.

Spreiter:1999:CMD

[SW99b] Q. Spreiter and M. Walter. Classical molecular dynamics simulation with the velocity Verlet algorithm at strong external magnetic fields. *Journal of Computational Physics*, 152(1):102–119, June 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919996237X`.

Stockie:1999:ASI

[SW99c] John M. Stockie and Brian R. Wetton. Analysis of stiffness in the immersed boundary method and implications for time-stepping schemes. *Journal of Computational Physics*, 154(1):41–64, September 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962976`.

Swartz:1999:GNM

[Swa99] Blair Swartz. Good neighborhoods for multidimensional Van Leer limiting. *Journal of Computational Physics*, 154(1):237–241, September 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963088`.

Sun:1995:TDN

[SWD95] M. T. Sun, S. T. Wu, and Murray Dryer. On the time-dependent numerical boundary conditions of magnetohydrodynamic flows.

Journal of Computational Physics, 116(2):330–342, February 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710315`.

Sweatman:1994:DPB

[Swe94] W. L. Sweatman. The development of a parallel N-body code for the Edinburgh Concurrent Supercomputer. *Journal of Computational Physics*, 111(1):110–119, March 1, 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710485`.

Swesty:1996:TCI

[Swe96] F. Douglas Swesty. Thermodynamically consistent Interpolation for equation of state tables. *Journal of Computational Physics*, 127(1):118–127, August 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919690162X`.

Swift:1996:UHC

[Swi96] Daniel W. Swift. Use of a hybrid code for global-scale plasma simulation. *Journal of Computational Physics*, 126(1):109–121, June 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901242`.

Saucez:1996:SOS

[SWS96] P. Saucez, A. Vande Wouwer, and W. E. Schiesser. Some observations on a static spatial remeshing method based on equidistribution principles. *Journal of Computational Physics*, 128(2):274–288, October 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902107`.

Sheu:1998:DHR

[SWT98] Tony W. H. Sheu, S. K. Wang, and S. F. Tsai. Development of a high-resolution scheme for a multi-dimensional advection-diffusion equation. *Journal of Computational Physics*, 144(1):1–16, July 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959927`.

Su:1999:LSF

[SXG99] Mingde Su, Kun Xu, and M. S. Ghidaoui. Low-speed flow simulation by the gas-kinetic scheme. *Journal of Computational Physics*, 150(1):17–39, March 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961629`.

Schmidt:1997:DTB

[SY97] Frank Schmidt and David Yevick. Discrete transparent boundary conditions for Schrödinger-type equations. *Journal of Computational Physics*, 134(1):96–107, June 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956758`.

Sakai:1997:NST

[SZ97] Katsuhiro Sakai and Gen Sheng Zhang. A numerical scheme for transport equations with spatially distributed coefficients based on locally exact difference method. *Journal of Computational Physics*, 134(2):332–341, July 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957119`.

Tamamidis:1991:GOG

[TA91a] P. Tamamidis and D. N. Assanis. Generation of orthogonal grids with control of spacing. *Journal of Computational Physics*, 94(2): 437–453, June 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190229E`.

Tani:1991:NAM

[TA91b] K. Tani and M. Azumi. Numerical analysis of 2D MHD equilibrium with non-inductive plasma current in tokamaks. *Journal of Computational Physics*, 93(2):487, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190205Y`.

Tabak:1996:SOG

[Tab96] Esteban G. Tabak. A second-order Godunov method on arbitrary grids. *Journal of Computational Physics*, 124(2):383–395, March

15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900674`.

Tam:1998:PML

[TAC98] Christopher K. W. Tam, Laurent Auriault, and Francesco Cambuli. Perfectly matched layer as an absorbing boundary condition for the linearized Euler equations in open and ducted domains. *Journal of Computational Physics*, 144(1):213–234, July 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959976`.

Tani:1992:NAM

[TAD92a] K. Tani, M. Azumi, and R. S. Devoto. Numerical analysis of 2D MHD equilibrium with non-inductive plasma current in tokamaks. *Journal of Computational Physics*, 98(2):332–341, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290146P`.

Tani:1992:NAZ

[TAD92b] K. Tani, M. Azumi, and R. S. Devoto. Numerical analysis of ZD MHD equilibrium with non-inductive plasma current in tokamaks. *Journal of Computational Physics*, 98(1):180, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192901966`.

Taddei:1997:FIG

[Tad97] S. Taddei. Finite Interpolation in Green function deterministic numerical methods. *Journal of Computational Physics*, 134(1): 62–74, June 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956527`.

Tafti:1995:AFP

[Taf95] Danesh Tafti. Alternate formulations for the pressure equation Laplacian on a collocated grid for solving the unsteady incompressible Navier–Stokes equations. *Journal of Computational Physics*, 116(1):143–153, January 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999185710121.

Takatsuka:1992:EAFa

[Tak92a] Kazuo Takatsuka. Extraction of accurate frequencies from the Fast-Fourier-Transform spectra. *Journal of Computational Physics*, 101(1):228, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192900635.

Takatsuka:1992:EAFb

[Tak92b] Kazuo Takatsuka. Extraction of accurate frequencies from the Fast Fourier Transform spectra. *Journal of Computational Physics*, 102(2):374–380, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290379D.

Tanaka:1993:SLF

[Tan93] Motohiko Tanaka. A simulation of low-frequency electromagnetic phenomena in kinetic plasmas of three dimensions. *Journal of Computational Physics*, 107(1):124–145, July 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183711307.

Tanaka:1994:FVT

[Tan94] T. Tanaka. Finite volume TVD scheme on an unstructured grid system for three-dimensional MHD simulation of inhomogeneous systems including strong background potential fields. *Journal of Computational Physics*, 111(2):381–389, April 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184710710.

Taseli:1992:IBP

[Tas92] H. Taseli. The influence of the boundedness of polynomial potentials on the spectrum of the Schrödinger equation. *Journal of Computational Physics*, 101(2):252–255, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290002G.

Tau:1992:NSSa

[Tau92a] Eric Yu Tau. Numerical solution of the steady Stokes equations. *Journal of Computational Physics*, 98(2):348, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290158U`.

Tau:1992:NSSb

[Tau92b] Eric Yu Tau. Numerical solution of the steady Stokes equations. *Journal of Computational Physics*, 99(2):190–195, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290200I`.

Tau:1994:SOP

[Tau94] Eric Yu Tau. A second-order projection method for the incompressible Navier–Stokes equations in arbitrary domains. *Journal of Computational Physics*, 115(1):147–152, November 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711831`.

Taylor:1991:AUF

[Tay91] Arthur C. Taylor III. Approved unpwind finite volume relaxation method for high speed viscous flows. *Journal of Computational Physics*, 94(1):253, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190154D`.

Taylor:1994:HPS

[Tay94] Mark Taylor. A high performance spectral code for nonlinear MHD stability. *Journal of Computational Physics*, 110(2):407–418, February 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710357`.

Tse:1998:FHP

[TC98] K. L. Tse and J. R. Chasnov. A Fourier–Hermite pseudospectral method for penetrative convection. *Journal of Computational Physics*, 142(2):489–505, May 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999198959460.

Tai:1997:ETM

[TCS97] C. H. Tai, D. C. Chiang, and Y. P. Su. Explicit time marching methods for the time-dependent Euler computations. *Journal of Computational Physics*, 130(2):191–202, January 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196955771.

Teixeira:1999:SSP

[Tei99] João Teixeira. Stable schemes for partial differential equations: The one-dimensional diffusion equation. *Journal of Computational Physics*, 153(2):403–417, August 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199962836.

Tal-Ezer:1992:LOP

[TEKC92] Hillel Tal-Ezer, Ronnie Kosloff, and Charles Cerjan. Low-order polynomial approximation of propagators for the time-dependent Schrödinger equation. *Journal of Computational Physics*, 100(1):179–187, May 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290318S.

Temam:1996:MMS

[Tem96] Roger Temam. Multilevel methods for the simulation of turbulence: a simple model. *Journal of Computational Physics*, 127(2):309–315, September 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901771.

Tessmer:1992:MDCb

[Tes92] Ekkert Tessmer. Multi domain Chebyshev–Fourier method for the solution of the equations of motion of dynamic elasticity. *Journal of Computational Physics*, 99(2):351, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290217M.

Taylor:1991:URM

[TfNW91] Arthur C. Taylor III, Wing fai Ng, and Robert W. Walters. Upwind relaxation methods for the Navier–Stokes equations using inner iterations. *Journal of Computational Physics*, 97(2):580, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190017F`.

Tang:1996:RBC

[TG96] Y. Tang and R. Grimshaw. Radiation boundary conditions in barotropic coastal ocean numerical models. *Journal of Computational Physics*, 123(1):96–110, January 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919690008X`.

Tang:1996:SOA

[TH96a] H. S. Tang and D. Huang. A second-order accurate capturing scheme for 1D inviscid flows of gas and water with vacuum zones. *Journal of Computational Physics*, 128(2):301–318, October 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902120`.

Thiart:1996:NSF

[TH96b] Jacob J. Thiart and Vladimir Hlavacek. Numerical solution of free-boundary problems: Calculation of interface evolution during CVD growth. *Journal of Computational Physics*, 125(1):262–276, April 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900923`.

Thompson:1990:TDB

[Tho90] Kevin W. Thompson. Time-dependent boundary conditions for hyperbolic systems, II. *Journal of Computational Physics*, 89(2):439–461, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090152Q`.

Thompson:1997:INS

[Tho97] Joe Thompson. Introduction to "Numerical Solution of the Quasilinear Poisson Equation in a Nonuniform Triangle Mesh".

Journal of Computational Physics, 135(2):126–127, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957260`.

Thuburn:1996:MFL

[Thu96] John Thuburn. Multidimensional flux-limited advection schemes. *Journal of Computational Physics*, 123(1):74–83, January 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900066`.

Tidriri:1995:DDC

[Tid95] Moulay D. Tidriri. Domain decomposition for compressible Navier–Stokes equations with different discretizations and formulations. *Journal of Computational Physics*, 119(2):271–282, July 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711357`.

Tidriri:1997:PTN

[Tid97] M. D. Tidriri. Preconditioning techniques for the Newton–Krylov solution of compressible flows. *Journal of Computational Physics*, 132(1):51–61, March 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956053`.

Tiwari:1998:CBE

[Tiw98] S. Tiwari. Coupling of the Boltzmann and Euler equations with automatic domain decomposition. *Journal of Computational Physics*, 144(2):710–726, August 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960119`.

Toumi:1996:ALR

[TK96] I. Toumi and A. Kumbaro. An approximate linearized Riemann solver for a two-fluid model. *Journal of Computational Physics*, 124(2):286–300, March 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900601`.

Trujillo:1999:PMV

[TK99] James Trujillo and George Em Karniadakis. A penalty method for the vorticity-velocity formulation. *Journal of Computational Physics*, 149(1):32–58, February 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961356`.

Tessmer:1992:MDCa

[TKKB92] Ekkehart Tessmer, David Kessler, Dan Kosloff, and Alfred Behle. Multi-domain Chebyshev–Fourier method for the solution of the equations of motion of dynamic elasticity. *Journal of Computational Physics*, 100(2):355–363, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290241P`.

Tamura:1997:RCM

[TKT97] Atsuhiro Tamura, Kazuo Kikuchi, and Tadayasu Takahashi. Residual cutting method for elliptic boundary value problems. *Journal of Computational Physics*, 137(2):247–264, November 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958071`.

Tolstykh:1998:PMT

[TL98] Andrei I. Tolstykh and Michael V. Lipavskii. On performance of methods with third- and fifth-order compact upwind differencing. *Journal of Computational Physics*, 140(2):205–232, March 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198958879`.

Turkington:1993:MVP

[TLES93] Bruce Turkington, Alexander Lifschitz, Alexander Eydeland, and Joel Spruck. Multiconstrained variational problems in magnetohydrodynamics: Equilibrium and slow evolution. *Journal of Computational Physics*, 106(2):269–285, June 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711071`.

Thomas:1995:FSS

[TLW95] T. G. Thomas, D. C. Leslie, and J. J. R. Williams. Free surface simulations using a conservative 3D code. *Journal of Computational Physics*, 116(1):52–68, January 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710054`.

Trapp:1993:DPM

[TM93] John A. Trapp and Glen A. Mortensen. A discrete particle model for bubble-slug two-phase flows. *Journal of Computational Physics*, 107(2):367–377, August 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711514`.

Tome:1994:GCM

[TM94] Murilo F. Tome and Sean McKee. GENSMAC: a computational marker and cell method for free surface flows in general domains. *Journal of Computational Physics*, 110(1):171–186, January 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710138`.

Tang:1992:SMNa

[TMR92a] Tao Tang, S. McKee, and M. W. Reeks. A spectral method for the numerical solutions of a kinetic equation describing the dispersion of small particles in a turbulent flow. *Journal of Computational Physics*, 101(1):228, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192900646`.

Tang:1992:SMNb

[TMR92b] Tao Tang, S. McKee, and M. W. Reeks. A spectral method for the numerical solutions of a kinetic equation describing the dispersion of small particles in a turbulent flow. *Journal of Computational Physics*, 103(2):222–230, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290397H`.

Thangaraj:1998:RMD

[TN98] D. Thangaraj and A. Nathan. A rotated monotone difference scheme for the two-dimensional anisotropic drift-diffusion equation. *Journal of Computational Physics*, 145(1):445–461, September 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960338`.

Taylor:1992:IUFa

[TNW92a] Arthur C. Taylor III, Wing Fai Ng, and Robert W. Walters. An improved upwind finite volume relaxation method for high speed viscous flows. *Journal of Computational Physics*, 98(2): 348, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290156S`.

Taylor:1992:IUFb

[TNW92b] Arthur C. Taylor III, Wing-Fai Ng, and Robert W. Walters. An improved upwind finite volume relaxation method for high speed viscous flows. *Journal of Computational Physics*, 99(1):159–168, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192902835`.

Taylor:1992:URMa

[TNW92c] Arthur C. Taylor III, Wing-Fai Ng, and Robert W. Walters. Upwind relaxation methods for the Navier–Stokes equations using inner iterations. *Journal of Computational Physics*, 98(2):348, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290155R`.

Taylor:1992:URMb

[TNW92d] Arthur C. Taylor III, Wing-Fai Ng, and Robert W. Walters. Upwind relaxation methods for the Navier–Stokes equations using inner iterations. *Journal of Computational Physics*, 99(1):68–78, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192902754`.

Toth:1996:CSF

[TO96] Gábor Tóth and Dusan Odstrcil. Comparison of some flux corrected transport and total variation diminishing numerical

schemes for hydrodynamic and magnetohydrodynamic problems. *Journal of Computational Physics*, 128(1):82–100, October 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901977`.

Tomboulides:1998:QTD

[TO98] Ananias G. Tomboulides and Steven A. Orzag. A quasi-two-dimensional benchmark problem for low Mach number compressible codes. *Journal of Computational Physics*, 146(2):691–706, November 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919896079X`.

Tolstykh:1994:AFO

[Tol94] Mikhail A. Tolstykh. Application of fifth-order compact upwind differencing to moisture transport equation in atmosphere. *Journal of Computational Physics*, 112(2):394–403, June 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711090`.

Ton:1996:ISC

[Ton96] Vinh T. Ton. Improved shock-capturing methods for multicomponent and reacting flows. *Journal of Computational Physics*, 128(1):237–253, October 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902065`.

Toth:1997:LPA

[Tót97] Gábor Tóth. The LASY preprocessor and its application to general multidimensional codes. *Journal of Computational Physics*, 138(2):981–990, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958137`.

Toumi:1992:WFR

[Tou92] I. Toumi. A weak formulation of Roe's approximate Riemann solver. *Journal of Computational Physics*, 102(2):360–373, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290378C`.

Tourrette:1997:ABC

[Tou97] Loïc Tourrette. Artificial boundary conditions for the linearized compressible Navier–Stokes equations. *Journal of Computational Physics*, 137(1):1–37, October 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957855`.

Tourrette:1998:ABC

[Tou98] Loïc Tourrette. Artificial boundary conditions for the linearized compressible Navier–Stokes equations: II. The discrete approach. *Journal of Computational Physics*, 144(1):151–179, July 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959964`.

Trangenstein:1992:NASa

[TP92a] John A. Trangenstein and Richard B. Pember. Numerical algorithms for strong discontinuities in elastic-plastic solids. *Journal of Computational Physics*, 100(2):435, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290264Y`.

Trangenstein:1992:NASb

[TP92b] John A. Trangenstein and Richard B. Pember. Numerical algorithms for strong discontinuities in elastic-plastic solids. *Journal of Computational Physics*, 103(1):63–89, November 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290326T`.

Tiselj:1997:MTP

[TP97] Iztok Tiselj and Stojan Petelin. Modelling of two-phase flow with second-order accurate scheme. *Journal of Computational Physics*, 136(2):503–521, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957788`.

Tang:1990:VEP

[TPL90] C. T. Tang, V. C. Patel, and L. Landweber. Viscous effects on propagation and reflection of solitary waves in shallow channels.

Journal of Computational Physics, 88(1):86–113, May 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090243T`.

Trepanier:1996:CSF

[TPRC96] J.-Y. Trépanier, M. Paraschivoiu, M. Reggio, and R. Camarero. A conservative shock fitting method on unstructured grids. *Journal of Computational Physics*, 126(2):421–433, July 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901473`.

Tzivion:1999:NSK

[TRL99] Shalva Tzivion, Tamir G. Reisin, and Zev Levin. A numerical solution of the kinetic collection equation using high spectral grid resolution: a proposed reference. *Journal of Computational Physics*, 148(2):527–544, January 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961289`.

Tahara:1996:LDA

[TS96] Y. Tahara and F. Stern. A large-domain approach for calculating ship boundary layers and wakes and wave fields for nonzero Froude number. *Journal of Computational Physics*, 127(2):398–411, September 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901837`.

Todo:1998:PAL

[TS98] Y. Todo and T. Sato. A particle algorithm for linear kinetic analysis in Tokamak plasmas. *Journal of Computational Physics*, 141(1):37–45, March 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959058`.

Tang:1999:SOG

[TS99] H. S. Tang and F. Sotiropoulos. A second-order Godunov method for wave problems in coupled solid-water-gas systems. *Journal of Computational Physics*, 151(2):790–815, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999199962204.

Tahara:1992:IAC

[TSR92] Y. Tahara, F. Stern, and B. Rosen. An interactive approach for calculating ship boundary layers and wakes for nonzero Froude number. *Journal of Computational Physics*, 98(1):33–53, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290171T.

Tourigny:1992:NSB

[TSS92] Y. Tourigny and J. M. Sanz-Serna. The numerical study of blowup with application to a nonlinear Schrödinger equation. *Journal of Computational Physics*, 102(2):407–416, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/0021999192903829.

Tan:1995:NFE

[TSW95] Shaofen Tan, Nestor Sepulveda, and John P. Wikswo, Jr. A new finite-element approach to reconstruct a bounded and discontinuous two-dimensional current image from a magnetic field map. *Journal of Computational Physics*, 122(1):150–164, November 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185712041.

Tsynkov:1995:ANE

[Tsy95] S. V. Tsynkov. An application of nonlocal external conditions to viscous flow computations. *Journal of Computational Physics*, 116(2):212–225, February 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185710224.

Takeda:1990:CME

[TT90] Tatsuoki Takeda and Shinji Tokuda. Computation of MHD equilibrium of tokamak plasma (review article). *Journal of Computational Physics*, 89(2):488, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919090156U.

Takeda:1991:CME

[TT91] Tatsuoki Takeda and Shinji Tokuda. Computation of MHD equilibrium of tokamak plasma. *Journal of Computational Physics*, 93(1):1–107, March 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190074U`.

Taylor:1997:SEM

[TTI97] Mark Taylor, Joseph Tribbia, and Mohamed Iskandarani. The spectral element method for the shallow water equations on the sphere. *Journal of Computational Physics*, 130(1):92–108, January 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955540`.

Tan:1994:MBE

[TV94] Zhiqiang Tan and Philip L. Varghese. The Δ–ε method for the Boltzmann equation. *Journal of Computational Physics*, 110(2):327–340, February 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710308`.

teVelde:1992:NIPa

[tVB92a] G. te Velde and E. J. Baerends. Numerical integration for polyatomic systems. *Journal of Computational Physics*, 98(1):179, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290190A`.

teVelde:1992:NIPb

[tVB92b] G. te Velde and E. J. Baerends. Numerical integration for polyatomic systems. *Journal of Computational Physics*, 99(1):84–98, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192902776`.

Tam:1993:DRP

[TW93] Christopher K. W. Tam and Jay C. Webb. Dispersion-relation-preserving finite difference schemes for computational acoustics. *Journal of Computational Physics*, 107(2):262–281, August 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711423`.

Tam:1994:RBC

[TW94] Christopher K. W. Tam and Jay C. Webb. Radiation boundary condition and anisotropy correction for finite difference solutions of the Helmholtz equation. *Journal of Computational Physics*, 113(1):122–133, July 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711223`.

Tan:1997:MDR

[TWV97] Zhiqiang Tan, Dennis Wilson, and Philip L. Varghese. The mass-damped Riemann problem and the aerodynamic surface force calculation for an accelerating body. *Journal of Computational Physics*, 131(1):48–53, February 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196954169`.

Tai:1995:NHG

[TYS95] C. H. Tai, S. L. Yin, and C. Y. Soong. A novel hyperbolic grid generation procedure with inherent adaptive dissipation. *Journal of Computational Physics*, 116(1):173–179, January 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710157`.

Tamamidis:1996:CPB

[TZA96] Panos Tamamidis, Guoqing Zhang, and Dennis N. Assanis. Comparison of pressure-based and artificial compressibility methods for solving 3D steady incompressible viscous flows. *Journal of Computational Physics*, 124(1):1–13, March 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900418`.

Tseng:1992:NMMb

[TZWH92a] A. A. Tseng, J. Zou, H. P. Wang, and S. R. H. Hoole. Numerical modeling of macro and micro behaviors of materials in processing: a review. *Journal of Computational Physics*, 102(1):1–17, September 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999105800014`.

Tseng:1992:NMMa

[TZWH92b] A. A. Tseng, J. Zou, H. P. Wang, and S. R. H. Hoole. Numerical modelling of macro and micro behaviors of materials in processing: a review. *Journal of Computational Physics*, 100(2): 433, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290253U`.

Ubbink:1999:MCS

[UI99] O. Ubbink and R. I. Issa. A method for capturing sharp fluid interfaces on arbitrary meshes. *Journal of Computational Physics*, 153(1):26–50, July 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962769`.

Udaykumar:1997:MDA

[UKSTST97] H. S. Udaykumar, Heng-Chuan Kan, Wei Shyy, and Roger Tran-Son-Tay. Multiphase dynamics in arbitrary geometries on fixed Cartesian grids. *Journal of Computational Physics*, 137(2):366–405, November 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958058`.

Ueki:1998:KTN

[UL98] Taro Ueki and Edward W. Larsen. A kinetic theory for nonanalog Monte Carlo particle transport algorithms: Exponential transform with angular biasing in planar-geometry anisotropically scattering media. *Journal of Computational Physics*, 145 (1):406–431, September 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960399`.

Udaykumar:1999:CSL

[UMS99] H. S. Udaykumar, R. Mittal, and Wei Shyy. Computation of solid-liquid phase fronts in the sharp interface limit on fixed grids. *Journal of Computational Physics*, 153(2):535–574, August 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962940`.

Ushijima:1996:ALE

[Ush96] Satoru Ushijima. Arbitrary Lagrangian–Eulerian numerical prediction for local scour caused by turbulent flows. *Journal of Computational Physics*, 125(1):71–82, April 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900807`.

Unverdi:1991:FTM

[UT91] Salih Ozen Unverdi and Gretar Tryggvason. A front tracking method for viscous, incompressible, multi-fluid flows. *Journal of Computational Physics*, 97(2):583–584, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190029K`.

Unverdi:1992:FTMb

[UT92a] Salih Ozen Unverdi and Grétar Tryggvason. A front-tracking method for viscous, incompressible, multi-fluid flows. *Journal of Computational Physics*, 99(1):180, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192902949`.

Unverdi:1992:FTMa

[UT92b] Salih Ozen Unverdi and Grétar Tryggvason. A front-tracking method for viscous, incompressible, multi-fluid flows. *Journal of Computational Physics*, 100(1):25–37, May 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290307K`.

Umlauf:1999:CTT

[UWH99] L. Umlauf, Y. Wang, and K. Hutter. Comparing two topography-following primitive equation models for lake circulation. *Journal of Computational Physics*, 153(2):638–659, August 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962988`.

Umar:1990:BSC

[UWSB90] A. S. Umar, J. Wu, M. R. Strayer, and C. Bottcher. Basis-spline collocation method for the lattice solution of boundary value

problems. *Journal of Computational Physics*, 89(2):490, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090162T`.

Umar:1991:BSC

[UWSB91] A. S. Umar, J. Wu, M. R. Strayer, and C. Bottcher. Basis-spline collocation method for the lattice solution of boundary value problems. *Journal of Computational Physics*, 93(2):426–448, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190193O`.

Vadillo:1995:SBN

[Vad95] F. Vadillo. Spurious behavior for a numerical scheme of nonlinear elliptic equations. *Journal of Computational Physics*, 121(1):94–101, October 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711813`.

Vadillo:1997:SFP

[Vad97] F. Vadillo. On spurious fixed points of Runge–Kutta methods. *Journal of Computational Physics*, 132(1):78–90, March 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956156`.

Valanju:1990:NFD

[Val90] P. M. Valanju. NUT: a fast 3-dimensional neutral transport code. *Journal of Computational Physics*, 88(1):114–130, May 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090244U`.

Valleau:1991:DSNa

[Val91a] J. P. Valleau. Density-scaling: a new Monte Carlo technique in statistical mechanics. *Journal of Computational Physics*, 94 (1):251, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190149F`.

Valleau:1991:DSNb

[Val91b] J. P. Valleau. Density-scaling: a new Monte Carlo technique in statistical mechanics. *Journal of Computational Physics*, 96(1):193–216, September 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190271L`.

vanPutten:1993:NIM

[van93] Maurice H. P. M. vanPutten. A numerical implementation of MHD in divergence form. *Journal of Computational Physics*, 105(2):339–353, April 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710806`.

VanLeer:1999:IAR

[Van99] Bram Van Leer. An introduction to the article "Reminiscences about Difference Schemes" by S. K. Godunov. *Journal of Computational Physics*, 153(1):1–5, July 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962708`. See [God99].

Verboncoeur:1992:SPC

[VAVB92] J. P. Verboncoeur, M. V. Alves, V. Vahedi, and C. K. Birdsall. Simultaneous potential and circuit solution for 1D bounded plasma particle simulation codes. *Journal of Computational Physics*, 102(2):424, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290386D`.

Verboncoeur:1993:SPC

[VAVB93] J. P. Verboncoeur, M. V. Alves, V. Vahedi, and C. K. Birdsall. Simultaneous potential and circuit solution for 1D bounded plasma particle simulation codes. *Journal of Computational Physics*, 104(2):321–328, February 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918371034X`.

Vu:1995:ANS

[VB95] H. X. Vu and J. U. Brackbill. Accurate numerical solution of charged particle motion in a magnetic field. *Journal of Computational Physics*, 116(2):384–387, February 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710376`.

Vrahatis:1990:CII

[VBB90] Michael N. Vrahatis, Tassos Bountis, and Nurit Budinsky. A convergence-improving iterative method for computing periodic orbits near bifurcation points. *Journal of Computational Physics*, 88(1):1–14, May 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090239W`.

Vu:1999:AFK

[VBD99] H. X. Vu, B. Bezzerides, and D. F. DuBois. ASPEN: a fully kinetic, reduced-description particle-in-cell model for simulating parametric instabilities. *Journal of Computational Physics*, 156(1):12–42, November 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963507`.

vanBuuren:1997:ISI

[vBKG97] R. van Buuren, J. G. M. Kuerten, and B. J. Geurts. Instabilities of stationary inviscid compressible flow around an airfoil. *Journal of Computational Physics*, 138(2):520–539, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958307`.

vanBeek:1995:ADG

[vBvNW95] P. van Beek, R. R. P. van Nooyen, and P. Wesseling. Accurate discretization of gradients on non-uniform curvilinear staggered grids. *Journal of Computational Physics*, 117(2):364–367, March 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710728`.

Viecelli:1990:FRP

[VC90] J. A. Viecelli and E. H. Canfield, Jr. Functional representation of power-law random fields and times series. *Journal of Computational Physics*, 90(1):269–270, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090216N`.

Viecelli:1991:FRP

[VC91] J. A. Viecelli and E. H. Canfield, Jr. Functional representation of power-law random fields and time series. *Journal of Computational Physics*, 95(1):29–39, July 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190251F`.

Vazquez-Cendon:1999:ITS

[VC99] María Elena Vázquez-Cendón. Improved treatment of source terms in upwind schemes for the shallow water equations in channels with irregular geometry. *Journal of Computational Physics*, 148(2):497–526, January 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961277`.

Valorani:1990:FMS

[VD90] M. Valorani and M. Di Giacinto. Fast moving sub-subsonic shocks in closed-end tubes. *Journal of Computational Physics*, 88(2): 409–432, June 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190901876`.

Vahedi:1997:SPC

[VD97a] Vahid Vahedi and G. DiPeso. Simultaneous potential and circuit solution for two-dimensional bounded plasma simulation codes. *Journal of Computational Physics*, 131(1):149–163, February 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955916`.

vanDorsselaer:1997:CEO

[vD97b] Jos L. M. van Dorsselaer. Computing eigenvalues occurring in continuation methods with the Jacobi–Davidson QZ method.

Journal of Computational Physics, 138(2):714–733, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958447`.

VanDooren:1993:NEF

[VDJ93] R. Van Dooren, M. De Groote, and H. Janssen. Numerical evidence of Feigenbaum's number δ in non-linear oscillations. *Journal of Computational Physics*, 105(1):173–177, March 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710636`.

vandeVorst:1992:BESb

[vdVMK92a] G. A. L. van de Vorst, R. M. M. Mattheij, and H. K. Kuiken. A boundary element solution for two-dimensional viscous sintering. *Journal of Computational Physics*, 99(1):180–181, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290297C`.

vandeVorst:1992:BESa

[vdVMK92b] G. A. L. van de Vorst, R. M. M. Mattheij, and H. K. Kuiken. A boundary element solution for two-dimensional viscous sintering. *Journal of Computational Physics*, 100(1):50–63, May 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290309M`.

vanderVegt:1998:DGF

[vdVvdV98] J. J. W. van der Vegt and H. van der Ven. Discontinuous Galerkin finite element method with anisotropic local grid refinement for inviscid compressible flows. *Journal of Computational Physics*, 141(1):46–77, March 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959046`.

Velarde:1993:FMS

[Vel93] P. M. Velarde. A FCT method for staggered mesh. *Journal of Computational Physics*, 108(1):27–37, September 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711605`.

Venkatakrishnan:1995:CSS

[Ven95] V. Venkatakrishnan. Convergence to steady state solutions of the Euler equations on unstructured grids with limiters. *Journal of Computational Physics*, 118(1):120–130, April 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710844`.

Verstappen:1991:SNA

[Ver91] R. Verstappen. A simple numerical algorithm for elastohydrodynamic lubrication, based on a dynamic variation principle. *Journal of Computational Physics*, 97(2):460–488, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190009A`.

Verkley:1997:SMTa

[Ver97a] W. T. M. Verkley. A spectral model for two-dimensional incompressible fluid flow in a circular basin. *Journal of Computational Physics*, 136(1):100–114, September 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957478`.

Verkley:1997:SMTb

[Ver97b] W. T. M. Verkley. A spectral model for two-dimensional incompressible fluid flow in a circular basin. *Journal of Computational Physics*, 136(1):115–131, September 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919795748X`.

Vicanek:1992:TGAb

[VG92a] M. Vicanek and N. M. Ghoniem. Two-group approach to the kinetics of particle cluster aggregation. *Journal of Computational Physics*, 99(2):351, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290215K`.

Vicanek:1992:TGAa

[VG92b] M. Vicanek and N. M. Ghoniem. Two-group approach to the kinetics of particle cluster aggregation. *Journal of*

Computational Physics, 101(1):1–10, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290038Z`.

vanGijzen:1998:FED

[vGVO98] M. B. van Gijzen, C. B. Vreugdenhil, and H. Oksuzoglu. The finite element discretization for stream-function problems on multiply connected domains. *Journal of Computational Physics*, 140(1):30–46, February 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198958867`.

Viera:1994:BSD

[Vie94] Fernando Viera. Boundary surface dynamics: An algorithm for stratified geostrophic flows. *Journal of Computational Physics*, 111(2):336–346, April 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710679`.

VanderHeyden:1998:CFV

[VK98] W. B. VanderHeyden and B. A. Kashiwa. Compatible fluxes for van leer advection. *Journal of Computational Physics*, 146(1):1–28, October 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960703`.

vanLeer:1997:GMGa

[vL97a] Bram van Leer. Godunov's method for gas-dynamics: Current applications and future developments. *Journal of Computational Physics*, 132(1):1–2, March 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956655`.

vanLeer:1997:GMGb

[vL97b] Bram van Leer. Godunov's method for gas-dynamics: Current applications and future developments: Volume 132, number 1 (1997), pages 1–2. *Journal of Computational Physics*, 134(1): 199, June 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956965`.

vanLeer:1997:TUC

[vL97c] Bram van Leer. Towards the ultimate conservative difference scheme. *Journal of Computational Physics*, 135(2):229–248, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957041`.

Vasilyev:1998:GCC

[VLM98] Oleg V. Vasilyev, Thomas S. Lund, and Parviz Moin. A general class of commutative filters for LES in complex geometries. *Journal of Computational Physics*, 146(1):82–104, October 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960600`.

Vinokur:1990:GFV

[VM90] Marcel Vinokur and Jean-Louis Montagné. Generalized flux-vector splitting and Roe average for an equilibrium real gas. *Journal of Computational Physics*, 89(2):276–300, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090145Q`.

Venkatakrishnan:1993:ISU

[VM93] V. Venkatakrishnan and Dimitri J. Mavriplis. Implicit solvers for unstructured meshes. *Journal of Computational Physics*, 105(1):83–91, March 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710557`.

VanBuskirk:1994:SAC

[VM94] R. D. VanBuskirk and P. S. Marcus. Spectrally accurate contour dynamics. *Journal of Computational Physics*, 115(2):302–318, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711983`.

vandeVorst:1995:BBS

[vM95] G. A. L. vandeVorst and R. M. M. Mattheu. A BEM–BDF scheme for curvature driven moving Stokes flows. *Journal of Computational Physics*, 120(1):1–14, August 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S002199918571145X.

Varadarajan:1996:LIA

[VM96a] V. Varadarajan and G. H. Miley. Linear instability analysis for toroidal plasma flow equilibria. *Journal of Computational Physics*, 123(2):415–434, February 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900340.

Venkatakrishnan:1996:IMC

[VM96b] V. Venkatakrishnan and D. J. Mavriplis. Implicit method for the computation of unsteady flows on unstructured grids. *Journal of Computational Physics*, 127(2):380–397, September 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901825.

Vosbeek:1997:CDS

[VM97] P. W. C. Vosbeek and R. M. M. Mattheij. Contour dynamics with symplectic time integration. *Journal of Computational Physics*, 133(2):222–234, May 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197956680.

VandeVorst:1991:BES

[VMK91] G. A. L. Van de Vorst, R. M. M. Mattheij, and H. K. Kuiken. A boundary element solution for two-dimensional viscous sintering. *Journal of Computational Physics*, 97(2):581, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190021C.

Vold:1992:CICa

[VNC92a] E. L. Vold, F. Najmabadi, and R. W. Conn. Computational implementation of a coupled plasma-neutral fluid model. *Journal of Computational Physics*, 101(1):229, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290070F.

Vold:1992:CICb

[VNC92b] E. L. Vold, F. Najmabadi, and R. W. Conn. Computational implementation of a coupled plasma-neutral fluid model. *Journal of Computational Physics*, 103(2):300–319, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290403L`.

vanVeldhuizen:1994:NLS

[vNZ94] M. vanVeldhuizen, R. Nieuwenhuizen, and W. Zijl. A note on log scale Hankel transforms. *Journal of Computational Physics*, 110(1):196–199, January 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710163`.

Verzicco:1996:FDS

[VO96] R. Verzicco and P. Orlandi. A finite-difference scheme for three-dimensional incompressible flows in cylindrical coordinates. *Journal of Computational Physics*, 123(2):402–414, February 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900339`.

Vasilyev:1996:DAM

[VP96] Oleg V. Vasilyev and Samuel Paolucci. A dynamically adaptive multilevel wavelet collocation method for solving partial differential equations in a finite domain. *Journal of Computational Physics*, 125(2):498–512, May 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901114`.

Vasilyev:1997:FAW

[VP97] Oleg V. Vasilyev and Samuel Paolucci. A fast adaptive wavelet collocation algorithm for multidimensional PDEs. *Journal of Computational Physics*, 138(1):16–56, November 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958149`.

Vasilyev:1995:MWC

[VPS95] Oleg V. Vasilyev, Samuel Paolucci, and Mihir Sen. A multilevel wavelet collocation method for solving partial dif-

ferential equations in a finite domain. *Journal of Computational Physics*, 120(1):33–47, August 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711473`.

Vrahatis:1995:EML

[Vra95] Michael N. Vrahatis. An efficient method for locating and computing periodic orbits of nonlinear mappings. *Journal of Computational Physics*, 119(1):105–119, June 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711199`.

Vierendeels:1999:MSI

[VRD99] Jan Vierendeels, Kris Riemslagh, and Erik Dick. A multigrid semi-implicit line-method for viscous incompressible and low-Mach-number flows on high aspect ratio grids. *Journal of Computational Physics*, 154(2):310–341, September 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963155`.

Vreugdenhil:1991:APFa

[Vre91a] C. B. Vreugdenhil. Accuracy of product-formula algorithms. *Journal of Computational Physics*, 93(1):252, March 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191900872`.

Vreugdenhil:1991:APFb

[Vre91b] C. B. Vreugdenhil. Accuracy of product-formula algorithms. *Journal of Computational Physics*, 97(2):337–351, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191900034`.

Vesey:1995:TDF

[VS95] Roger A. Vesey and Don Steiner. A two-dimensional finite element model of the edge plasma. *Journal of Computational Physics*, 116(2):300–313, February 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710297`.

Vorozhtsov:1995:SNM

[VSG95] E. V. Vorozhtsov, B. Yu. Scobelev, and V. G. Ganzha. Symbolic-numerical method for the stability analysis of difference schemes on the basis of the catastrophe theory. *Journal of Computational Physics*, 116(1):26–38, January 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710030`.

Vorozhtsov:1996:C

[VSG96] E. V. Vorozhtsov, B. Yu. Scobelev, and V. G. Ganzha. Corrigendum. *Journal of Computational Physics*, 123(1):231–232, January 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900194`.

Vuik:1996:PKS

[VSH96] Kees Vuik, Agur G. J. Sevink, and Gérard C. Herman. A preconditioned Krylov subspace method for the solution of least squares problems in inverse scattering. *Journal of Computational Physics*, 123(2):330–340, February 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900273`.

Vuik:1999:EPC

[VSM99] C. Vuik, A. Segal, and J. A. Meijerink. An efficient preconditioned CG method for the solution of a class of layered problems with extreme contrasts in the coefficients. *Journal of Computational Physics*, 152(1):385–403, June 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962551`.

Vu:1996:AFE

[Vu96] H. X. Vu. An adiabatic fluid electron particle-in-cell code for simulating ion-driven parametric instabilities. *Journal of Computational Physics*, 124(2):417–430, March 15, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900698`.

Vu:1998:MPT

[Vu98] H. X. Vu. A massively parallel three-dimensional hybrid code for simulating ion-driven parametric instabilities. *Journal of Computational Physics*, 144(2):257–279, August 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919895803X`.

vanWachem:1997:SFB

[vWBS+97] B. G. M. van Wachem, A. F. Bakker, J. C. Schouten, M. W. Heemels, and S. W. de Leeuw. Simulation of fluidized beds with lattice gas cellular automata. *Journal of Computational Physics*, 135(1):1–7, July 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957193`.

Vesier:1991:CMS

[VY91] C. Cockerham Vesier and A. P. Yoganathan. A computer method for simulation of cardiovascular flow fields: Validation of approach. *Journal of Computational Physics*, 94(1):252, May 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190153C`.

Vesier:1992:CMS

[VY92] C. Cockerham Vesier and A. P. Yoganathan. A computer method for simulation of cardiovascular flow fields: Validation of approach. *Journal of Computational Physics*, 99(2):271–287, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290207F`.

Williams:1995:MWS

[WA95] John R. Williams and Kevin Amaratunga. A multiscale wavelet solver with $O(n)$ complexity. *Journal of Computational Physics*, 122(1):30–38, November 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711941`.

Wajsowicz:1993:CFA

[Waj93] Roxana C. Wajsowicz. A consistent formulation of the anisotropic stress tensor for use in models of the large-scale ocean circulation. *Journal of Computational Physics*, 105(2):333–338, April 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918371079X`.

Walsteijn:1994:RNM

[Wal94] Fred H. Walsteijn. Robust numerical methods for 2D turbulence. *Journal of Computational Physics*, 114(1):129–145, September 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711545`.

Wang:1995:FCI

[Wan95] Z. J. Wang. A fully conservative interface algorithm for overlapped grids. *Journal of Computational Physics*, 122(1):96–106, November 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711990`.

Wang:1997:NEF

[Wan97] Song Wang. A novel exponentially fitted triangular finite element method for an advection-diffusion problem with boundary layers. *Journal of Computational Physics*, 134(2):253–260, July 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956916`.

Wang:1999:EIE

[Wan99] Z. Jane Wang. Efficient implementation of the exact numerical far field boundary condition for Poisson equation on an infinite domain. *Journal of Computational Physics*, 153(2):666–670, August 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962897`.

Wathen:1992:OMGb

[Wat92a] A. J. Wathen. Optimal moving grids for time-dependent partial differential equations. *Journal of Computational Physics*, 99(2):352, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print),

1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290221J.

Wathen:1992:OMGa

[Wat92b] A. J. Wathen. Optimal moving grids for time-dependent partial differential equations. *Journal of Computational Physics*, 101(1): 51–54, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290041V.

Wu:1994:NSA

[WCO94] Han-Ming Wu, G. F. Carey, and M. E. Oakes. Numerical simulation of AC plasma arc thermodynamics. *Journal of Computational Physics*, 112(1):24–30, May 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184710795.

Wu:1999:TRL

[WCSW99] K. Wu, A. Canning, H. D. Simon, and L.-W Wang. Thick-restart Lanczos method for electronic structure calculations. *Journal of Computational Physics*, 154(1):156–173, September 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999199963064.

Werner:1997:RAS

[WD97] M. J. Werner and P. D. Drummond. Robust algorithms for solving stochastic partial differential equations. *Journal of Computational Physics*, 132(2):312–326, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196956387.

Warschkow:1998:DCI

[WDE98] Oliver Warschkow, John M. Dyke, and Donald E. Ellis. A divide-and-conquer implementation of the discrete variational DFT method for large molecular and solid systems. *Journal of Computational Physics*, 143(1):70–89, June 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198959745.

Williamson:1992:STSa

[WDH+92a] David L. Williamson, John B. Drake, James J. Hack, Rüdiger Jakob, and Paul N. Swarztrauber. A standard test set for numerical approximations to the shallow water equations in spherical geometry. *Journal of Computational Physics*, 101(1):227–228, July 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290060C`.

Williamson:1992:STSb

[WDH+92b] David L. Williamson, John B. Drake, James J. Hack, Rüdiger Jakob, and Paul N. Swarztrauber. A standard test set for numerical approximations to the shallow water equations in spherical geometry. *Journal of Computational Physics*, 102(1):211–224, September 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999105800166`.

Weber:1998:CEC

[Web98] C. F. Weber. Convergence of the equilibrium code SOLGASMIX. *Journal of Computational Physics*, 145(2):655–670, September 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960466`.

Wegmann:1997:UDS

[Weg97] Rudolf Wegmann. An upwind difference scheme for the double-adiabatic equations. *Journal of Computational Physics*, 131(1):199–215, February 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956028`.

Weiland:1992:SMR

[Wei92] C. Weiland. A split-matrix Runge–Kutta type space marching procedure. *Journal of Computational Physics*, 102(2):319–335, October 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192903759`.

Welch:1995:LST

[Wel95] Samuel W. J. Welch. Local simulation of two-phase flows including interface tracking with mass transfer. *Journal of*

Computational Physics, 121(1):142–154, October 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711850`.

Welton:1998:TDP

[Wel98] Walter C. Welton. Two-dimensional PDF/SPH simulations of compressible turbulent flows. *Journal of Computational Physics*, 139(2):410–443, January 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958782`.

Winterhalter:1999:AAD

[WEMH99] J. Winterhalter, D. G. Ebling, D. Maier, and J. Honerkamp. Analysis of admittance data: Comparison of a parametric and a nonparametric method. *Journal of Computational Physics*, 153(1):139–159, July 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962691`.

Wang:1999:FEL

[WEQ+99] Hong Wang, Richard E. Ewing, Guan Qin, Stephen L. Lyons, Mohamed Al-Lawatia, and Shushuang Man. A family of Eulerian–Lagrangian localized adjoint methods for multi-dimensional advection-reaction equations. *Journal of Computational Physics*, 152(1):120–163, June 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962393`.

Werne:1995:INS

[Wer95] J. Werne. Incompressibility and no-slip boundaries in the Chebyshev–Tau approximation: Correction to Kleiser and Schumann's influence-matrix solution. *Journal of Computational Physics*, 120(2):260–265, September 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711631`.

Werne:1998:LEC

[Wer98] J. Werne. Letter to the Editor: Comment on "There Is No Error in the Kleiser–Schumann Influence Matrix Method". *Journal*

of Computational Physics, 141(1):88–89, March 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959277`. See [KHW98].

Westermann:1992:LSBa

[Wes92a] Thomas Westermann. Localization schemes in 2D boundary-fitted grids. *Journal of Computational Physics*, 100(2):433, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290251S`.

Westermann:1992:LSBb

[Wes92b] Thomas Westermann. Localization schemes in 2D boundary-fitted grids. *Journal of Computational Physics*, 101(2):307–313, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290008M`.

Westermann:1994:PCS

[Wes94] T. Westermann. Particle-in-cell simulations with moving boundaries-adaptive mesh generation. *Journal of Computational Physics*, 114(2):161–175, October 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711570`.

Wang:1999:CMC

[WF99] Nien-Tzu Wang and Aaron L. Fogelson. Computational methods for continuum models of platelet aggregation. *Journal of Computational Physics*, 151(2):649–675, May 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962125`.

Wu:1997:AOC

[WH97] Xudong T. Wu and Edward F. Hayes. Algorithms for obtaining cumulative reaction probabilities for chemical reactions. *Journal of Computational Physics*, 130(1):136–147, January 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955758`.

Wang:1998:SIS

[WH98] Yongqi Wang and Kolumban Hutter. A semi-implicit semispectral primitive equation model for lake circulation dynamics and its stability performance. *Journal of Computational Physics*, 139(1):209–241, January 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958502`.

Whalen:1996:ALT

[Wha96] Paul P. Whalen. Algebraic limitations on two-dimensional hydrodynamics simulations. *Journal of Computational Physics*, 124(1):46–54, March 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900431`.

Whitaker:1990:NSHa

[Whi90a] Nathaniel Whitaker. Numerical solution of the Hele–Shaw equations. *Journal of Computational Physics*, 87(2):494, April 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090263Z`.

Whitaker:1990:NSHb

[Whi90b] Nathaniel Whitaker. Numerical solution of the Hele–Shaw equations. *Journal of Computational Physics*, 90(1):176–199, September 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090202C`.

Whitaker:1994:SNM

[Whi94] Nathaniel Whitaker. Some numerical methods for the Hele–Shaw equations. *Journal of Computational Physics*, 111(1):81–88, March 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710461`.

Winslow:1995:MGM

[Win95] Alan M. Winslow. Multifrequency-gray method for radiation diffusion with Compton scattering. *Journal of Computational Physics*, 117(2):262–273, March 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999185710649.

Winslow:1997:NSQ

[Win97] Alan M. Winslow. Numerical solution of the quasilinear Poisson equation in a nonuniform triangle mesh. *Journal of Computational Physics*, 135(2):128–138, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197956989.

Wirth:1997:ESM

[Wir97] A. Wirth. An extension of spectral methods to quasi-periodic and multiscale problems. *Journal of Computational Physics*, 132(2): 285–290, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196956284.

Witwit:1996:AIP

[Wit96a] M. R. M. Witwit. Application of the inner product technique to some nonpolynomial potentials for multidimensional quantum systems. *Journal of Computational Physics*, 129(1):220–232, November 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196902454.

Witwit:1996:ELN

[Wit96b] M. R. M. Witwit. Energy levels for nonsymmetric double-well potentials in several dimensions: Hill determinant approach. *Journal of Computational Physics*, 123(2):369–378, February 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196900303.

Ward:1993:CAS

[WJC93] D. J. Ward, S. C. Jardin, and C. Z. Cheng. Calculations of axisymmetric stability of Tokamak plasmas with active and passive feedback. *Journal of Computational Physics*, 104(1):221–240, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183710223.

Watson:1996:FEP

[WJTP96] Willie R. Watson, Michael G. Jones, Sharon E. Tanner, and Tony L. Parrott. A finite element propagation model for extracting normal incidence impedance in nonprogressive acoustic wave fields. *Journal of Computational Physics*, 125(1):177–186, April 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919690087X`.

Worlikar:1996:NST

[WK96] Aniruddha S. Worlikar and Omar M. Knio. Numerical simulation of a thermoacoustic refrigerator: I. Unsteady adiabatic flow around the stack. *Journal of Computational Physics*, 127(2):424–451, September 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901850`.

Warburton:1999:DGM

[WK99a] T. C. Warburton and G. E. Karniadakis. A discontinuous Galerkin method for the viscous MHD equations. *Journal of Computational Physics*, 152(2):608–641, July 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962484`.

Wood:1999:DCF

[WK99b] William A. Wood and William L. Kleb. Diffusion characteristics of finite volume and fluctuation splitting schemes. *Journal of Computational Physics*, 153(2):353–377, August 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962812`.

Wu:1997:CRE

[WKHS97] Xudong T. Wu, Prakashan P. Korambath, Edward F. Hayes, and Danny C. Sorensen. Computation of rovibrational eigenvalues of van der Waals molecules on a CRAY T3D. *Journal of Computational Physics*, 138(2):286–301, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958198`.

Worlikar:1998:NST

[WKK98] Aniruddha S. Worlikar, Omar M. Knio, and Rupert Klein. Numerical simulation of a thermoacoustic refrigerator: II. Stratified flow around the stack. *Journal of Computational Physics*, 144(2):299–324, August 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958162`.

Weese:1997:USS

[WKMH97] J. Weese, E. Korat, D. Maier, and J. Honerkamp. Unfolding sphere size distributions with a density estimator based on Tikhonov regularization. *Journal of Computational Physics*, 138(2):331–353, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958228`.

Winckelmans:1993:CVP

[WL93] G. S. Winckelmans and A. Leonard. Contributions to vortex particle methods for the computation of three-dimensional incompressible unsteady flows. *Journal of Computational Physics*, 109(2):247–273, December 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183712167`.

Webster:1996:PBL

[WL96] Frank Webster and Gen-Ching Lo. Projective block Lanczos algorithm for dense, Hermitian eigensystems. *Journal of Computational Physics*, 124(1):146–161, March 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900509`.

Wissink:1996:EIM

[WLC96] Andrew M. Wissink, Anastasios S. Lyrintzis, and Anthony T. Chronopoulos. Efficient iterative methods applied to the solution of transonic flows. *Journal of Computational Physics*, 123(2):379–393, February 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900315`.

Wilcoxson:1994:IES

[WM94] Mark Wilcoxson and Vasilios Manousiouthakis. On an implicit ENO scheme. *Journal of Computational Physics*, 115(2):376–389, December 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184712034`.

Wineberg:1991:ISMa

[WMG+91a] Stephan B. Wineberg, Joseph F. McGrath, Edward F. Gabl, L. Ridgway Scott, and Charles E. Southwell. Implicit spectral methods for wave propagation problems. *Journal of Computational Physics*, 93(2):486, April 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191902005`.

Wineberg:1991:ISMb

[WMG+91b] Stephen B. Wineberg, Joseph F. McGrath, Edward F. Gabl, L. Ridgway Scott, and Charles E. Southwell. Implicit spectral methods for wave propagation problems. *Journal of Computational Physics*, 97(2):311–336, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191900023`.

Wang:1993:GCA

[WNY93] Jian-Ping Wang, Yoshiaki Nakamura, and Michiru Yasuhara. Global coefficient adjustment method for Neumann condition in explicit Chebyshev collocation method and its application to compressible Navier–Stokes equations. *Journal of Computational Physics*, 107(1):160–175, July 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711332`.

Wang:1996:VIN

[WONM96] W. X. Wang, M. Okamoto, N. Nakajima, and S. Murakami. Vector implementation of nonlinear Monte Carlo Coulomb collisions. *Journal of Computational Physics*, 128(1):209–222, October 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902041`.

Welton:1997:PMC

[WP97] Walter C. Welton and Stephen B. Pope. PDF model calculations of compressible turbulent flows using smoothed particle hydrodynamics. *Journal of Computational Physics*, 134(1):150–168, June 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956801`.

Wang:1991:HRS

[WR91] Z. Wang and B. E. Richards. High resolution schemes for steady flow computation. *Journal of Computational Physics*, 97(1):53–72, November 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190038M`.

Wright:1998:NID

[Wri98] Joseph P. Wright. Numerical instability due to varying time steps in explicit wave propagation and mechanics calculations. *Journal of Computational Physics*, 140(2):421–431, March 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959022`. See comments [Ske98].

Williams:1991:AAM

[WS91] H. T. Williams and Richard R. Silbar. Automated angular momentum recoupling algebra. *Journal of Computational Physics*, 97(2):584, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190032G`.

Williams:1992:AAMa

[WS92a] H. T. Williams and Richard R. Silbar. Automated angular momentum recoupling algebra. *Journal of Computational Physics*, 99(1):180, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192902916`.

Williams:1992:AAMb

[WS92b] H. T. Williams and Richard R. Silbar. Automated angular momentum recoupling algebra. *Journal of Computational Physics*, 99(2):299–309, April 1992. CODEN JCTPAH. ISSN

0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290209H.

Wright:1993:PBC

[WS93] J. A. Wright and W. Shyy. A pressure-based composite grid method for the Navier–Stokes equations. *Journal of Computational Physics*, 107(2):225–238, August 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999183711393.

Wang:1996:APF

[WS96] Shun-Lien Wang and Robert F. Sekerka. Algorithms for phase field computation of the dendritic operating state at large supercoolings. *Journal of Computational Physics*, 127(1):110–117, August 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901618.

Wesseling:1999:CFG

[WSK99] P. Wesseling, A. Segal, and C. G. M. Kassels. Computing flows on general three-dimensional nonsmooth staggered grids. *Journal of Computational Physics*, 149(2):333–362, March 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198961563.

Watanabe:1996:IEI

[WTH+96] T. H. Watanabe, Y. Todo, R. Horiuchi, K. Watanabe, and T. Sato. Implementation of an electrostatic implicit particle simulation scheme. *Journal of Computational Physics*, 127(2):473–481, September 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901886.

Willemsen:1998:CDP

[WVHS98] S. M. Willemsen, T. J. H. Vlugt, H. C. J. Hoefsloot, and B. Smit. Combining dissipative particle dynamics and Monte Carlo techniques. *Journal of Computational Physics*, 147(2):507–517, December 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999198960995.

Wu:1995:EVV

[WWW95] X. H. Wu, J. Z. Wu, and J. M. Wu. Effective vorticity-velocity formulations for three-dimensional incompressible viscous flows. *Journal of Computational Physics*, 122(1):68–82, November 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711977`.

Xu:1998:PDG

[XH98] Kun Xu and Jishan Hu. Projection dynamics in Godunov-type schemes. *Journal of Computational Physics*, 142(2):412–427, May 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919895923X`.

Xiao:1999:CMS

[Xia99] Feng Xiao. A computational model for suspended large rigid bodies in 3D unsteady viscous flows. *Journal of Computational Physics*, 155(2):348–379, November 1, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963404`.

Xu:1995:GKF

[XMJ95] Kun Xu, Luigi Martinelli, and Antony Jameson. Gas-kinetic finite volume methods, flux-vector splitting, and artificial diffusion. *Journal of Computational Physics*, 120(1):48–65, August 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711485`.

Xu:1997:FDS

[XMP97] H. Y. Xu, M. D. Matovic, and A. Pollard. Finite difference schemes for three-dimensional time-dependent convection-diffusion equation using full global discretization. *Journal of Computational Physics*, 130(1):109–122, January 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196955643`.

Xu:1994:NNS

[XP94] Kun Xu and Kevin H. Prendergast. Numerical Navier–Stokes solutions from gas kinetic theory. *Journal of Com-*

putational Physics, 114(1):9–17, September 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711454`.

Xu:1999:ANA

[XP99] J. Xu and S. B. Pope. Assessment of numerical accuracy of PDF/Monte Carlo methods for turbulent reacting flows. *Journal of Computational Physics*, 152(1):192–230, June 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962411`.

Xia:1990:NSC

[XPK90] Yongwei Xia, Georges Pananakakis, and Georges Kamarinos. Numerical simulation of the current-voltage characteristics of MIS tunnel devices. *Journal of Computational Physics*, 91(2):478–485, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999190900497`.

Xu:1993:APV

[XS93] Yuenong Xu and Mitchell D. Smooke. Application of a primitive variable Newton's method for the calculation of an axisymmetric laminar diffusion flame. *Journal of Computational Physics*, 104(1):99–109, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183710120`.

Xu:1997:BBS

[Xu97] Kun Xu. BGK-based scheme for multicomponent flow calculations. *Journal of Computational Physics*, 134(1):122–133, June 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956771`.

Xu:1999:GKT

[Xu99] Kun Xu. Gas-kinetic theory-based flux splitting method for ideal magnetohydrodynamics. *Journal of Computational Physics*, 153(2):334–352, August 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199962800`.

Yakimiw:1996:ACW

[Yak96] E. Yakimiw. Accurate computation of weights in classical Gauss–Christoffel quadrature rules. *Journal of Computational Physics*, 129(2):406–430, December 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196902582`.

Yang:1990:ACM

[Yan90] Huanan Yang. An artificial compression method for ENO schemes: The slope modification method. *Journal of Computational Physics*, 89(1):125–160, July 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090120P`.

Yavneh:1997:AFO

[Yav97] Irad Yavneh. Analysis of a fourth-order compact scheme for convection-diffusion. *Journal of Computational Physics*, 133(2):361–364, May 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919795659X`.

Yamaleev:1998:SMM

[YB98] Nail K. Yamaleev and Josef Ballmann. Space-marching method for calculating steady supersonic flows on a grid adapted to the solution. *Journal of Computational Physics*, 146(1):436–463, October 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960739`.

Yang:1997:KBS

[YCTC97] Jaw-Yen Yang, Min-Hung Chen, I-Nan Tsai, and Jer-Wei Chang. A kinetic beam scheme for relativistic gas dynamics. *Journal of Computational Physics*, 136(1):19–40, September 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957673`.

Yepes:1993:CSD

[YDT93] G. Yepes and R. Domínguez-Tenreiro. A computational study of the dynamical evolution of self-gravitating systems. *Journal of Computational Physics*, 104(1):75–85, January 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/S0021999183710090.

Yee:1997:EIM

[Yee97] H. C. Yee. Explicit and implicit multidimensional compact high-resolution shock-capturing methods: Formulation. *Journal of Computational Physics*, 131(1):216–232, February 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196956089.

Yao:1994:HAA

[YG94] Jian Hua Yao and R. J. Gooding. A high-accuracy algorithm for solving nonlinear PDEs with high-order spatial derivatives in $1 + 1$ dimensions. *Journal of Computational Physics*, 112(2): 382–393, June 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711089.

Yiu:1995:SVI

[YG95] K. F. C. Yiu and M. B. Giles. Simultaneous viscous-inviscid coupling via transpiration. *Journal of Computational Physics*, 120(2):157–170, September 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999185711564.

Yang:1997:SSE

[YGH97] B. Yang, D. Gottlieb, and J. S. Hesthaven. Spectral simulations of electromagnetic wave scattering. *Journal of Computational Physics*, 134(2):216–230, July 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197956862.

Guo:1992:CSFa

[yGmC92] Ben yu Guo and Wei ming Cao. A combined spectral-finite element method for solving two-dimensional unsteady Navier–Stokes equations. *Journal of Computational Physics*, 100(2):434, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290258Z.

Yang:1995:RFC

[YH95] J. Y. Yang and J. C. Huang. Rarefied flow computations using nonlinear model Boltzmann equations. *Journal of Computational Physics*, 120(2):323–339, September 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711680`.

Yoshino:1990:MSP

[YHW90] Fumio Yoshino, Tatsuo Hayashi, and Ryoji Waka. A method of self-pursued boundary value on a body and the Magnus effect calculated with this method. *Journal of Computational Physics*, 89(2):488, August 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090155T`.

Yoshino:1991:MSP

[YHW91] Fumio Yoshino, Tatsuo Hayashi, and Ryoti Waka. A method of self-pursued boundary value on a body and the Magnus effect calculated with this method. *Journal of Computational Physics*, 93(1):224–249, March 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191900805`.

Yin:1996:NMS

[Yin96] Z.-M. Yin. New methods for simulation of fractional Brownian motion. *Journal of Computational Physics*, 127(1):66–72, August 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901588`.

Yee:1990:HRS

[YKM90] H. C. Yee, G. H. Klopfer, and J.-L. Montagné. High-resolution shock-capturing schemes for inviscid and viscous hypersonic flows. *Journal of Computational Physics*, 88(1):31–61, May 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090241R`.

Yang:1998:EAT

[YL98] Ping Yang and K. N. Liou. An efficient algorithm for truncating spatial domain in modeling light scattering by finite-difference

technique. *Journal of Computational Physics*, 140(2):346–369, March 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198958971`.

Yasar:1991:EAG

[YM91] Osman Yasar and Gregory A. Moses. Explicit adaptive-grid radiation magnetohydrodynamics. *Journal of Computational Physics*, 97(2):581, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190022D`.

Yasar:1992:EAGb

[YM92a] Osman Yasar and Gregory A. Moses. Explicit adaptive-grid radiation magnetohydrodynamics. *Journal of Computational Physics*, 99(1):180, March 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290295A`.

Yasar:1992:EAGa

[YM92b] Osman Yasar and Gregory A. Moses. Explicit adaptive-grid radiation-magnetohydrodynamics. *Journal of Computational Physics*, 100(1):38–49, May 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290308L`.

Yavneh:1995:RMS

[YM95] Irad Yavneh and James C. McWilliams. Robust multigrid solution of the shallow-water balance equations. *Journal of Computational Physics*, 119(1):1–25, June 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185711126`.

Younes:1999:NFM

[YMAC99] Anis Younes, Robert Mose, Philippe Ackerer, and Guy Chavent. A new formulation of the mixed finite element method for solving elliptic and parabolic PDE with triangular elements. *Journal of Computational Physics*, 149(1):148–167, February 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961502`.

Young:1991:LRR

[YMB+91] David P. Young, Robin G. Melvin, Michael B. Bieterman, Forrester T. Johnson, Satish S. Samant, and John E. Bussoletti. A locally refined rectangular grid finite element method: Application to computational fluid dynamics and computational physics. *Journal of Computational Physics*, 92(1):1–66, January 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190291R`.

Ye:1999:ACG

[YMUS99] T. Ye, R. Mittal, H. S. Udaykumar, and W. Shyy. An accurate Cartesian grid method for viscous incompressible flows with complex immersed boundaries. *Journal of Computational Physics*, 156(2):209–240, December 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963568`.

Yorkey:1990:EIT

[Yor90] Thomas J. Yorkey. Electrical impedance tomography with piecewise polynomial conductivities. *Journal of Computational Physics*, 91(2):344–360, December 1990. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919090041X`.

Yang:1992:CSAb

[YP92a] H. Q. Yang and A. J. Przekwas. A comparative study of advanced shock-capturing shcemes applied to Burgers' equation. *Journal of Computational Physics*, 102(1):139–159, September 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999105800129`.

Yang:1992:CSAa

[YP92b] H. Q. Yang and A. J. Przekwas. A comparative study of advanced shocl-capturing schemes applied to Burger's equation. *Journal of Computational Physics*, 100(2):434, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290256X`.

Yang:1998:PWA

[YP98] Baolin Yang and Peter G. Petropoulos. Plane-wave analysis and comparison of split-field, biaxial, and uniaxial PML methods as ABCs for pseudospectral electromagnetic wave simulations in curvilinear coordinates. *Journal of Computational Physics*, 146(2):747–774, November 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919896082X`.

Yousfi:1994:FEM

[YPH94] M. Yousfi, A. Poinsignon, and A. Hamani. Finite element method for conservation equations in electrical gas discharge areas. *Journal of Computational Physics*, 113(2):268–278, August 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199918471134X`.

Yeung:1993:CFE

[YR93] Y. Y. Yeung and C. Rudowicz. Crystal field energy levels and state vectors for the $3d^N$ ions at orthorhombic or higher symmetry sites. *Journal of Computational Physics*, 109(1):150–152, November 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183712064`.

Yarvin:1998:GOD

[YR98] Norman Yarvin and Vladimir Rokhlin. A generalized one-dimensional fast multipole method with application to filtering of spherical harmonics. *Journal of Computational Physics*, 147(2):594–609, December 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961046`.

Yaremchuk:1998:SAS

[YS98a] A. I. Yaremchuk and J. Schröter. Spectral analysis of symmetric operators: Application to the Laplace tidal model. *Journal of Computational Physics*, 147(1):1–21, November 20, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960211`.

Yu:1998:ELG

[YS98b] Hua-Gen Yu and Sean C. Smith. The elimination of Lanczos ghosting effects by MINRES filter diagonalization. *Journal of Computational Physics*, 143(2):484–494, July 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919895971X`.

Yee:1999:LDH

[YSD99] H. C. Yee, N. D. Sandham, and M. J. Djomehri. Low-dissipative high-order shock-capturing methods using characteristic-based filters. *Journal of Computational Physics*, 150(1):199–238, March 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961770`.

Yee:1991:DAS

[YSG91] H. C. Yee, P. K. Sweby, and D. F. Griffiths. Dynamical approach study of spurious steady-state numerical solutions of nonlinear differential equations. I. The dynamics of time discretization and its implications for algorithm development in computational fluid dynamics. *Journal of Computational Physics*, 97(2):249–310, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999191900012`.

Yavneh:1997:MSR

[YSMG97] Irad Yavneh, Alexander F. Shchepetkin, James C. McWilliams, and Lee Paul Graves. Multigrid solution of rotating, stably stratified flows. *Journal of Computational Physics*, 136(2):245–262, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957752`.

Yu:1992:TDC

[YTS92] Sheng-Tao Yu, Y.-L Peter Tsai, and Jian-Shun Shuen. Three-dimensional calculations of supersonic reacting flows using an LU scheme. *Journal of Computational Physics*, 101(2):276–286, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290005J`.

Ying:1996:SRT

[YWS96] Jinpin Ying, Feng Wu, and Wei Sun. Simultaneous reconstruction of two parameters for transport equation in a stratified half-space. *Journal of Computational Physics*, 125(2):434–439, May 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901059`.

Yang:1998:IWE

[YYCH98] Jaw-Yen Yang, Shih-Chang Yang, Yih-Nan Chen, and Chiang-An Hsu. Implicit weighted ENO schemes for the three-dimensional incompressible Navier–Stokes equations. *Journal of Computational Physics*, 146(1):464–487, October 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960624`.

Yang:1998:AMI

[YZ98] George Z. Yang and Nicholas Zabaras. The adjoint method for an inverse design problem in the directional solidification of binary alloys. *Journal of Computational Physics*, 140(2):432–452, March 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198958934`.

Zabusky:1997:INS

[Zab97] Norman J. Zabusky. Introduction to "Numerical Simulation of Hydrodynamics by the Method of Point Vortices". *Journal of Computational Physics*, 135(2):187–188, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957521`.

Zalesak:1997:IFC

[Zal97] Steven T. Zalesak. Introduction to "Flux-Corrected Transport. I. SHASTA, A Fluid Transport Algorithm That Works". *Journal of Computational Physics*, 135(2):170–171, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197957569`.

Zaninetti:1991:ATE

[Zan91] L. Zaninetti. About the time evolving Voronoi tessellation. *Journal of Computational Physics*, 97(2):559–565, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919190014C`.

Zanino:1992:HMPa

[Zan92a] R. Zanino. Hydrodynamic modeling of particle and angular momentum transport in rotating tokamak plasmas with impurities. *Journal of Computational Physics*, 98(1):179–180, January 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192901933`.

Zanino:1992:HMPb

[Zan92b] R. Zanino. Hydrodynamic modeling of particle and angular momentum transport in rotating tokamak plasmas with impurities. *Journal of Computational Physics*, 98(2):301–316, February 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/002199919290144N`.

Zanino:1997:AFE

[Zan97] R. Zanino. Advanced finite element modeling of the Tokamak plasma edge. *Journal of Computational Physics*, 138(2):881–906, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958484`.

Zaninetti:1999:ARW

[Zan99] L. Zaninetti. About the random walk from many injection points. *Journal of Computational Physics*, 156(2):382–392, December 10, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919996357X`.

Zegeling:1992:EGWa

[ZB92a] P. A. Zegeling and J. G. Blom. An evaluation of the gradient-weighted moving-finite-element method in one space dimension. *Journal of Computational Physics*, 101(2):452, August 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).

URL http://www.sciencedirect.com/science/article/pii/002199919290024S.

Zegeling:1992:EGWb

[ZB92b] P. A. Zegeling and J. G. Blom. An evaluation of the gradient-weighted moving-finite-element method in one space dimension. *Journal of Computational Physics*, 103(2):422–441, December 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290413S.

Zha:1996:NST

[ZB96] G.-C. Zha and E. Bilgen. Numerical study of three-dimensional flows using unfactored upwind-relaxation sweeping algorithm. *Journal of Computational Physics*, 125(2):425–433, May 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196901047.

Zachary:1991:HOG

[ZC91] Andrew L. Zachary and Phillip Colella. A higher-order Godunov method for the equations of ideal magnetohydrodynamics. *Journal of Computational Physics*, 97(2):585, December 1991. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919190033H.

Zachary:1992:HOG

[ZC92] Andrew L. Zachary and Phillip Colellaz. A higher-order Godunov method for the equations of ideal magnetohydrodynamics. *Journal of Computational Physics*, 99(2):341–347, April 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/002199919290213I.

Zerroukat:1994:FDA

[ZC94] Mohamed Zerroukat and Chris R. Chatwin. A finite-difference algorithm for multiple moving boundary problems using real and virtual grid networks. *Journal of Computational Physics*, 112(2):298–307, June 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711028.

Zhu:1996:EBI

[ZCH96] Jingyi Zhu, Xinfu Chen, and Thomas Y. Hou. An efficient boundary integral method for the Mullins–Sekerka problem. *Journal of Computational Physics*, 127(2):246–267, September 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901734`.

Zhao:1996:VLS

[ZCMO96] Hong-Kai Zhao, T. Chan, B. Merriman, and S. Osher. A variational level set approach to multiphase motion. *Journal of Computational Physics*, 127(1):179–195, August 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196901679`.

Zhang:1999:SSD

[ZDD99] Juhua Zhang, Zhuping Duan, and Jing Ding. Simulating shock to detonation transition: Algorithm and results. *Journal of Computational Physics*, 150(1):128–142, March 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198961691`.

Zhuang:1995:SQS

[ZDG95] X. Zhuang, A. K. Didwania, and J. D. Goddard. Simulation of the quasi-static mechanics and scalar transport properties of ideal granular assemblages. *Journal of Computational Physics*, 121(2):331–346, October 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999195901876`.

Zhang:1994:MSS

[Zha94] Lin-Bo Zhang. A multigrid solver for the steady incompressible Navier–Stokes equations on curvilinear coordinate systems. *Journal of Computational Physics*, 113(1):26–34, July 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711156`.

Zhang:1998:FHA

[Zha98] Jun Zhang. Fast and high accuracy multigrid solution of the three dimensional Poisson equation. *Journal of Com-*

putational Physics, 143(2):449–461, July 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198959824`.

Zhong:1996:CMP

[ZHL96] Xiaoguang Zhong, Thomas Y. Hou, and Philippe G. LeFloch. Computational methods for propagating phase boundaries. *Journal of Computational Physics*, 124(1):192–216, March 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196900534`.

Zhong:1996:ASI

[Zho96] Xiaolin Zhong. Additive semi-implicit Runge–Kutta methods for computing high-speed nonequilibrium reactive flows. *Journal of Computational Physics*, 128(1):19–31, October 1, 1996. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919690193X`.

Zhong:1998:HOF

[Zho98] Xiaolin Zhong. High-order finite-difference schemes for numerical simulation of hypersonic boundary-layer transition. *Journal of Computational Physics*, 144(2):662–709, August 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960107`.

Zabusky:1997:CDE

[ZHR97] Norman J. Zabusky, M. H. Hughes, and K. V. Roberts. Contour dynamics for the Euler equations in two dimensions. *Journal of Computational Physics*, 135(2):220–226, August 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919795703X`.

Zhu:1995:SOP

[Zhu95] Jingyi Zhu. The second-order projection method for the backward-facing step flow. *Journal of Computational Physics*, 117(2):318–331, March 15, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710698`.

Zinchenko:1994:ARC

[Zin94a] Alexander Z. Zinchenko. Algorithm for random close packing of spheres with periodic boundary conditions. *Journal of Computational Physics*, 114(2):298–307, October 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711685`.

Zinchenko:1994:EAC

[Zin94b] Alexander Z. Zinchenko. An efficient algorithm for calculating multiparticle thermal interaction in a concentrated dispersion of spheres. *Journal of Computational Physics*, 111(1):120–135, March 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184710497`.

Zingg:1993:FDS

[ZL93] David W. Zingg and Harvard Lomax. Finite-difference schemes on regular triangular grids. *Journal of Computational Physics*, 108(2):306–313, October 1993. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999183711848`.

Zaitsev:1998:DST

[ZLOT98] F. S. Zaitsev, V. V. Longinov, M. R. O'Brien, and R. Tanner. Difference schemes for the time evolution of three-dimensional kinetic equations. *Journal of Computational Physics*, 147 (2):239–264, December 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960752`.

Zhu:1997:AFA

[ZLP97] Xiaojun Zhu, Guangtsai Lei, and Guangwen Pan. On application of fast and adaptive periodic Battle–Lemarie wavelets to modeling of multiple lossy transmission lines. *Journal of Computational Physics*, 132(2):299–311, April 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999196956375`.

Zhao:1998:CBB

[ZMOW98] Hong-Kai Zhao, Barry Merriman, Stanley Osher, and Lihe Wang. Capturing the behavior of bubbles and drops using the variational level set approach. *Journal of Computational Physics*, 143(2):495–518, July 1, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197958101`.

Zrahia:1997:HSE

[ZOI97] U. Zrahia, S. A. Orszag, and M. Israeli. Hybrid spectral element/asymptotic method for boundary layers problems. *Journal of Computational Physics*, 138(2):858–880, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999197956631`.

Zhou:1995:ASM

[ZP95] Hua Zhou and C. Pozrikidis. Adaptive singularity method for Stokes flow past particles. *Journal of Computational Physics*, 117(1):79–89, March 1, 1995. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999185710467`.

Zwart:1999:IST

[ZRR99] P. J. Zwart, G. D. Raithby, and M. J. Raw. The integrated space–time finite volume method and its application to moving boundary problems. *Journal of Computational Physics*, 154(2):497–519, September 20, 1999. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999199963246`.

Zhu:1992:PMCa

[ZS92a] Jingyi Zhu and James Sethian. Projection methods coupled to level set interface techniques. *Journal of Computational Physics*, 100(2):435, June 1992. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0021999192902673`.

Zhu:1992:PMCb

[ZS92b] Jingyi Zhu and James Sethian. Projection methods coupled to level set interface techniques. *Journal of Computational Physics*, 102(1):128–138, September 1992. CODEN

JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999105800117.

Zhou:1997:NMW

[ZS97] Jianwei Zhou and Nader Saffari. Numerical modelling of wave propagation in elastic rectangular block media. *Journal of Computational Physics*, 131(2):299–309, March 1, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999196955965.

Zang:1994:NSG

[ZSK94] Yan Zang, Robert L. Street, and Jeffrey R. Koseff. A non-staggered grid, fractional step method for time-dependent incompressible Navier–Stokes equations in curvilinear coordinates. *Journal of Computational Physics*, 114(1):18–33, September 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999184711466.

Zutic:1997:NIP

[ZV97] Igor Zutić and Oriol T. Valls. Numerically implemented perturbation method for the nonlinear magnetic moment of an anisotropic superconductor. *Journal of Computational Physics*, 136(2):337–353, September 15, 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197957399.

Zerroukat:1997:BEM

[ZW97] M. Zerroukat and L. C. Wrobel. A boundary element method for multiple moving boundary problems. *Journal of Computational Physics*, 138(2):501–519, December 1997. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999197958290.

Zhou:1998:SNS

[ZWS98] Liqun Zhou, Vincent B. Wickwar, and Robert W. Schunk. Solving the Navier–Stokes systems with weak viscosity and strong heat conduction using the flux-corrected transport technique and the alternating-directional explicit method. *Journal of*

Computational Physics, 144(2):379–401, August 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960168`.

Zhao:1994:NIC

[ZY94] Shengkai Zhao and Matthew J. Yedlin. A new iterative Chebyshev spectral method for solving the elliptic equation $\nabla \cdot (\sigma \nabla u) \approx f$. *Journal of Computational Physics*, 113(2):215–223, August 1994. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999184711314`.

Zhang:1998:TDC

[ZYKC98] Y. L. Zhang, K. S. Yeo, B. C. Khoo, and W. K. Chong. Three-dimensional computation of bubbles near a free surface. *Journal of Computational Physics*, 146(1):105–123, October 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999198960429`.

Zhang:1998:IMI

[ZZ98] Guanquan Zhang and Yu Zhang. An iterative method for the inversion of the two-dimensional wave equation with a potential. *Journal of Computational Physics*, 147(2):485–506, December 10, 1998. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199919899996X`.