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02 March 2023
Version 1.75

Title word cross-reference

(1 + 1) [HPA14a]. (k) [NS11a]. 0 [MVCFM13]. 1
[BGR11, BCL13, DK14, FNGV14, GM10a, HvB11, MMR12, MZB12, MMT14, MHGNM12, MGN14b, Ols12, RCQL11, UJ11, ZMD+11, vTCL+10].
1 + 1 [DBAV14]. 100 [YM14]. 12 [KM14b]. 2
[AW14, AH10b, BBAP14, BCL14, BSS11, BHM14, BLY10, CK11, Cha14, CL11a, CLAL14, Del11, DFD14, DCL11, GW13b, GC11, GHM14, HBM13, HLW13, Hu13, JMGN13, KBS14, LVFK14, LT12, LS13d, MAPP13, MMR12, MDTC13, MHHGN14, MV13, MBGW13, MLGN12, Ols12, SY12a, SCH13b, SM12c, SAA14, TR14, TGGT13, UWB12, WR11, YCY11, Zha10a, ZOWZ10].
2.5 [KL12a, MBMV13]. 3
[AST13, ABMT14, BLM+14, BWC11, BS14a, BGHM13, BLJ11, BD14b, CP14, CCW12, CC12, CH14, CGF+13, DDL13, FBM14, FW12, FCG10, FGLB14, GW13b, Ge10, GCZ13, GMC13, GD10, GL12a, GLC+11, GKS+11, HRT11, HLYS11, JM10, KVM12, KKS13, LH10a, LP13a, LTSH10, LEH12, LLP14, LMBB11, LDA10, LL10b, LZZR10, MMM11, MVCFM13, MF13,

MT14b, Nic10, NJ12, PPS12, PWB+14, PBdGP14, RKGM14, SKN13a, SY14a, SCGE13, SF14, SCC14, SYE10, TGT+10, TQW14, TDL+14, TRSMM+13, TGGT13, WYYK10, WG11, Xu11, Zha10a, ZYF+10]. $3D$ [BPM13]. 4 [CS14c]. 6 [KM14b]. [1 + 1] [Hen13]. $_3$ [Ber14]. $_{540}$ [WPKK12]. A [NDBG14]. α [DR11, PLT14]. $\alpha\beta$ [KRF12]. Bi [SRN13]. C^0 [DSZ13, HLLW11, ZTG+13]. C^1 [ZTG+13]. CFL > 1 [MHGNM12, MHHGN14]. d [TE14]. d^2/dx^2 [LR11]. D_4 [LB14]. δf [CPCU13]. e [KBSV14]. ℓ_1 [YK13, PHD14]. ϵ [ECDB14]. η [Fan14]. $F = 2$ [Wan11b]. H [ZA14, BHL12a, CL10, VSK10]. hp [VSK10, CYK+14]. k [CFW+13, ECDB14, HPS13, HHL11, TE14, WPK14]. $k \cdot p$ [And13]. L^2 [HLY12]. L^∞ [CCKCG10]. L^p [XY14]. $\mu(I)$ [CM14]. N [BGZ12, CDSP13, Don14a, TPA+13]. $O(N \log^2 N)$ [WWS10, WW11]. ω [HHL11]. p [ABK13, BGR11, CN12, CVN13, KRT14, MHA10, MMD+11, PVLT10, TBR13, VSK10]. $P1_{DG}$ [CH11b]. $P2$ [CH11b]. P_1 [Ols11]. P_N [OLFS13]. q [MSTL14]. QR [SYL12]. r [BBPC14, VW14a]. rz [BLA+14, KBS14]. S [BWMG14, YS12b]. S_2 [BMR14]. S_N [RGK12, BMR14, CBTR13, TR14]. SP_N [ZRM13]. SU(2) [CB11]. T [IFD+12]. τ [FdVV12]. z [VW14a].

-adaptive [BHL12a, BBPC14, CN12, CVN13, CL10, TBR13]. **-body** [BGZ12, CDSP13, TPA+13]. **-Cylindrical** [KBS14, BLA+14]. **-D** [HLYS11, KKS13, CC12, DDL13, DK14, FCG10, FGLB14, LVFK14, MMR12]. **-D-NSCBC** [CGF+13]. **-DG-approximation** [RGK12]. **-eigenvalue** [CFW+13, WPK14]. **-enriched** [MMD+11]. **-estimation** [FdVV12]. **-matrix** [IFD+12, YS12b]. **-minimization** [PHD14]. **-model** [BWMG14]. **-multigrid** [BGR11, MHA10, PVLT10]. **-Navier** [KRT14]. **-particles** [PLT14]. **-phase** [Don14a]. **-refinement** [MSTL14]. **-stability** [CCKCG10]. **-stable** [NDBG14]. **-th** [HPS13]. **-theorem** [ZA14]. **-version** [ABK13].

1 [FNGV14, RS13b, SG12a]. **1A** [XDZ+14].

2 [RS14b, SG12b]. **228** [HY11]. **229** [Dad12, Dav15, NHT+13]. **230** [Gho17, HSK+15]. **231** [MPPP12b, TK15]. **233** [SS14b]. **237** [OBNN14]. **241** [YKWS13a]. **242** [CFCA13a, LWD13a]. **252** [XMDG14]. **259** [PS15]. **262** [EH15, XS15]. **265** [SYV17]. **270** [ZJS15]. **2F** [LL10b].

3-node [LR11]. **3d** [LH10b]. **3rd** [PGL11]. **3rd-** [PGL11].

4OC [Sen13]. **4th** [PGL11]. **4th-order** [PGL11].

5th [Ler14].

6th [Boe11].

7th [Ler14]. **7th-order** [Ler14].

9347-9372 [NHT+13].

ab-initio [SD14a]. **Absorbing** [ALS+14, HGRB14, SG10b, SG10a, ZW10b, AMP14, BDT10, GD10, MBL+14, RVbZ10, RCCC14, SG12a, SG12b, XS13, ZT13a, BGH10]. **absorption** [Den11b, FJ12, SCS14]. **AC** [HDD14, KBSV14]. **accelerate** [Yao14]. **Accelerated** [Hut14, KG12b, SCGE13, VDP11, VBSK10, WP14, BD14a, FTF14, GK13, GLC+11, GD13, IFD+12, KSP13, MdVBS13, NVS13, PPB14, QA11, RCQL11, RBCK10, SBB13, STC10b, Tak14, WK13b, Fat10]. **Accelerating** [JLS+14, KSS14, NS14a, ZVNM10, ARR13, SS13a]. **Acceleration** [KSPP10, YM14, CFW+13, EMSH14, FWP13, FWLP14, HNMM10, PMMB14, TR14, WPK14, YXD+14, WTK14]. **accelerator** [CBCM+11, LCNK10]. **accelerators** [TAAY14, VGCMG11]. **accommodation** [LH13]. **Accuracies** [XL11]. **Accuracy** [DB13, JCT11, LTC14, MZ11d, SK12a, BK11, BS14a, BSS14, BKV12, CFKL11, CJP+14, CBGK13, CR14, DMP14, GHS13, GH10, GWCA14, HZ14, Ide12, KS11b, KG11, KM14b, LB12, LP14a, LT11b, LS13d, MB10a, Nic10, SRSV11, Wal13, YWL14, PZW14]. **Accurate** [BR12a, CF11b, GRS14, LL12a, MC12, MJ13a, MGN14b, SG12a, SG12b, SCC14, ZYHW13, AN13, BDA12, Boy11, Bre12b, CY12, DLC11, DKC14, DV14, GM12a, GM10b, GHM14, GH11b, GL12b, GVV13, HOK10, HK11, HF10, KS13a, Le 14b, Lee13, LKLG14, LdWF12, LT10b, LN10b, LLP10, MF14, MB12, MCA+13, MH10, ML13, MB10b, NMZC13, NDBG14, NPV14, NT14, Per13, RE13, RWMG11, RMMD14, SHMS13, Sco12, Shu14, SBB10, Son11, SdAW14, WBC13, WYT14, XW14, YS13, ZK14, ZF14]. **Accurately** [Liu11a]. **ACE** [VBSK10]. **acetylcholinesterase** [Ham10]. **achieve** [VSK10]. **acid** [EHA14]. **Acoustic** [Lee12b, WdHX10, AH13a, CLG13, CVI+13, FT11, FvdB12, GB14, GH11a, HVD13, HW10, KGG10, KNR11, LS13d, LM14b, MKB+12, SM11b, WSBG10]. **acoustics** [KVM12, MBD13, NPC11a]. **acquired** [PMM+11]. **across** [GGH14]. **action** [Wan11a, Wan13a]. **activation** [RJC13]. **active** [ASGW11, MdVBS13]. **Ad** [Ano12-32, BL10, LB10]. **adaptation** [ABD14, BDA12, CXLC12, Del11, FL11a, HKL10, KF13a, KK10b, LH10c, LDA10, MM10, MVG+12, TG14b, YD12]. **adapted** [DO11b, HRBK10]. **Adapting** [KSB12, EAN11]. **adaption** [CSB14]. **Adaptive** [AHOT14, ABK13, BLOdV14, BCK11, BUH11, BS11b, CMG+13, CJN+13, DO11a, DMMGM14, HJ11, HZ11a, HHA14, KMHJ10, LTCN13, Lee14b, LLYE12a, MAPP13, MMD+11, RVFK14, SR13b, SQC11, SYL12, SK12b, TvdHS+12, WG11, YCLK12, YMLM+14, ZHS10, AL10, AS14, Atz10, BHL12a, BDMP13, BBGP13, BK12b, BDLGC13, BBPC14, CN12, CVN13, CL10, CNR10, CGG12, CF10, CXZ10, CY14, CEL14, CKR14, Cou11, DMHL14, DDF14, DV13b, DZHB13, EQYF13, ETW10, FHL10, Fuj11, GG10,

GM14a, HLT10a, HHL11, HG11, HLDP14, HHK13, HB13, HL12b, HWA10, Hu13, ID10, IDNG13, IG14, JU10, JAX11, JLY10, JHF10, JLC14, JK10, JG13, KVM12, KWSJ11, KMvM+12, KA12, KG14, KSD12, KL12b, KL12c, LSM14, Lap11, LBT11, LHY13, LZ13, LLZ14, LX14, LN10c, MZ10, MS14b, MZ11c, Min13, MTG11, MG14b, MN14]. **adaptive** [MIKG12, MNL+13, MJ13b, MBGW13, Mur10, OS12, PZW14, PZG14, PHRG13, PMM+11, PRA13, PGLK14, PB13b, PWB+14, Phi14, PHSA14, Qua11, RSS12, RE13, RWX11, RXLS14, RPA13, RS10b, SSHM10, SSB+12, SFWP10, SWR11, SD14c, TE14, TA12, TDVG13, TAAY14, TBR13, UKP14, VRB10, Wan11a, Wan10, WR11, WS11, YLW10, YJK12, ZMQ13, ZN14a, ZN14b, ZDSP11, VV13, NT14]. **adaptive-resolution** [RSS12]. **Adaptively** [XZWW12]. **Adaptivity** [CHZ13b, AM12, DH10, DFVY14, DBM+12, GBB+13]. **added** [LJG14]. **added-mass** [LJG14]. **addition** [Far11]. **additive** [HJZ14, HWHW10]. **ADE** [FL13]. **ADER** [BD14b, BBD14, BMD+13, BK14b, CTJT13, DZHB13, MMT14, MT14a, NF12, Nor13, Nor14]. **ADER-DT** [Nor14]. **ADER-Taylor** [NF12]. **ADER-WENO** [DZHB13]. **adhesion** [GWG14, RUL+13]. **ADI** [BdF10, FF12, KAA12, SY11c, SN13b, ZFH14, Zha14]. **adiabatic** [BKH12]. **Adjoint** [CJNS12, HHL11, HLSO13, IWG13, KJC13, SR13d, ZPGO10, AS14, BSCML13, BW14, DRB14, GHM13, SBS11, SM10, VS14, Wan13b, YDN10, dPSS12]. **Adjoint-based** [HHL11, IWG13, VS14, YDN10]. **adjustable** [DGAH10]. **adjustable-damping** [DGAH10]. **adjusting** [Bal12a]. **admits** [ZA14]. **adsorption** [FCH13]. **Advanced** [SJB11]. **Advances** [LMLC12]. **advancing** [RSD10]. **Advection** [Dai13, AV13, Ald10, BR14, CD13b, DF10a, HAQ12, JW11, JZ13, KKAS12, KLMJ12, KWJR14, KJWR14, LN10a, LGP10, LSV10, MKGV12, MMP11, MMA11, MMA13, MT14a, NRS10, Nis10, Nis14b, QS11a, RSS12, Sou14, TLG10, WSYS12, WYS12b, WCVJ13, ZOL+11, vdVR12a, vdVR12b]. **advection-diffusion** [KKAS12, LN10a, LSV10, MKGV12, Nis14b, RSS12, WCVJ13]. **advection-diffusion-reaction** [JZ13, MT14a]. **advection-dispersion** [CD13b, JW11, MMP11]. **advection-dominated** [TLG10]. **advection-electrodiffusion** [LGP10]. **advection-propagation** [Ald10]. **advective** [LDE+13, SM12a, SM12b, VTTK13]. **advective-reactive** [VTTK13]. **AEGIS** [ZKV10]. **aero** [Whi10]. **aero-optics** [Whi10]. **aeroacoustics** [CR14, Fal13, KKS13, SK13, XS11, LLH10]. **aerodynamic** [KWS+11, Lan14, LH10b, RWMG11, ZPGO10]. **aeroelasticity** [DYYA14]. **affinity** [JJM13]. **Affordable** [MT13]. **after** [GSTB13]. **against** [GMXG14, OAXL13]. **agent** [JJM13]. **Agglomeration** [Lan14, BBC+12]. **aggregate** [BRS13]. **aggregation** [OS11a]. **air** [BCD14, CKS14, KED+12, Nag14a, Nag14b]. **air-water** [BCD14]. **air/water** [CKS14]. **aircraft** [JWNL11]. **airfoil** [BBD11, DYYA14, JM12]. **al** [Dad12]. **ALADINS** [VV13]. **ALDM** [HAD10]. **ALE** [BKC+11, FL14, GMB10, JLZ13, KPH13, KGSS10, LMQ+11, MSB14,

SYY14b, VKL+13, WKL+14, WK14, WC14b]. **ALE-based** [LMQ+11]. **ALE-DGSEM** [WK14]. **Algebraic** [Gui12, WHT14, CK11, GW10, SSG11, SX14, TCW+10, XIC11, Yao14, VV13]. **Algebraically** [KBSV14]. **Algorithm** [YK12, ARR13, AGBC14, ADMA13, AW14, AT13b, BK12a, BFR13, BHS13, BHS14a, BHS14b, BWC11, BILM14, BBAP14, BAG12, BKW10, BP10, CCB13, CdCNH14, CB12, CY12, Cha14, CRS14, CCB11, CCB12, CC13, CC12, Dad12, DBO+10, Don14a, Don14b, DFW+10, EWH14, FHL10, GMT10, Gen11, Gho17, GL13, GV13, GVH14, GJ14b, HAMA14, HSK+15, HS13b, HLZ13, HF10, HWHW10, IFD+12, Ian11, JNSA12, JTH10, KM11, KM13, KSPP10, KO12, KL14b, KS12, Le 14a, LKT+12, sLwG10, LD12, LWD13a, LWD13b, LLP14, LG14, LXSR12, LBZ+10, LX13b, LvZB10, LTL11, MGJZ10, MW12, MMM13, MCJ14, Men12, MBLM10, Mét11, MDM+12, MW14a, MWY14, NS11a, Nic10, NS14b, OM12, PZW14, PZG14, PVLT10, PGL11, PE10, PT12, RCW11, RKM11, RH13, RBNS13, RS13a, SBT14, SNS10, SM12a, SNBN13, SSHT14]. **algorithm** [SAHS14, ST13, Shy10, SX14, SC10, SFWP10, SKt10, SRN13, SYE10, TBMH11, TRSMM+13, TY11b, TR12, TSR13, Tyl14, VDD10b, VRBZ11, WFL10, WBC13, WZ10, XIC11, YCY11, Zad11, ZJL+14, ZL13, ZWH+12, vdVR12a, vdVR12b, FT11]. **Algorithmic** [Nor13]. **Algorithms** [DRW11, AKP+12, BHBM10, CWL13, CW13, CJNS12, CHZ13a, CHHL11, CBTR13, Del14, DR14, DAEB13, ES13b, Gio10, GCW14, GKS+11, HB13, JEU11, JGZL14, KN14, KIG11, LGE+13, LWS14, MPWK13, NS11b, NPV14, PP14, SMP+13, SSR+13, TvdHS+12, Tyg10]. **alignments** [SHFB12]. **All-at-once** [SW13]. **All-electron** [SL13a]. **all-speed** [CDT13, CDK12, sLwG10]. **Allen** [BSS12, GLWW14, RNT12]. **Allmaras** [CDB13]. **allowing** [MKB+12]. **almost** [Pie12]. **along** [Gri13]. **Alternate** [Ols12]. **Alternating** [LX13a, LXL13, LP14b, nZzS11, Cui12, WW11, WD14]. **alternating-direction** [WW11, WD14]. **alternative** [Boo11, SPM+13]. **aluminium** [BGK12]. **Ambipolar** [PMS11, PvDGvM11]. **amino** [EHA14]. **amino-acid** [EHA14]. **Ampére** [BCW13, BFO14, CCZ14a, CSC14, FO11, ZPF10]. **amplitudes** [LQ11]. **AMR** [CNSFD13, CN10, MV13, SRN10]. **analogs** [Ber14]. **analogy** [Cam13]. **Analysis** [Del10, DBHBB13, HdCNT12, KKvZB14, KG14, LH14a, LMS11, Man12, PGL11, PB13a, SS12, SRSV11, SSFM12, SKt10, TPA+13, XS13, YBK13, ABKF11, APY14, APRS14, BHS14a, BHS14b, BA10, BAB+13, BLA+14, BW14, BB12b, BP13a, BRSS11, CWS13, CTG12, CM13, DRB14, DWL10, Den11b, Don10, DZL13, DB12, DEKBF14, EHA14, EC13, GB14, GLSC12, GCLS11, GVH14, GZQ13, Ham10, HPS13, HBAP10, HLSO13, Hig13, HVT12, IH13, IWG13, KWJR14, KJC13, KGG10, KWHD12, LSK11, LCK11, LJ13a, LD14, LDE+13, LLS11, MZ11a, MS10a, MS14b, MZ11d, PGLK14, PVDW14, QS11b, RVbZ10, RB10, Rot13, SK12a, SM12b, SHFB12, SSR+13, Soa13, SLC+11, SG13, TNK10, TCL11, UJ11, VS11, VCJ11, WXZ10, WHB14, WIJ13, WH11, WG11, WL11, XMS12, XMDG13, XMDG14, ZKV10, vdVR12a, CRS12]. **analysis-suitable**

[XMDG13, XMDG14]. **analytic** [DDL13, LW13b, RBNS13, TR12, WLW14]. **Analytical** [JR14, CC13, CSKP10, DFD14, GVH14, LVFK14, PBB14, XX13]. **analytical-based** [CSKP10]. **analyze** [HDPF11]. **analyzing** [HVD13]. **anastomosis** [GDY10]. **anatomic** [LS13a]. **Anderson** [WTK14]. **aneurysm** [GFK13]. **angle** [BS11b, DL10c, Gon12]. **angular** [BM10a]. **animated** [LS13a]. **Anisotropic** [MVG+12, ABD14, AT13a, BWC11, BGH10, BDA12, CdCNH14, Cha14, Cou11, CJN+13, DLNN12, EZ10, GH14, GW13b, HKL10, JS13b, LH10b, LH10c, LDA10, LHV13, MB12, MMP11, MTSG12, MN12, MBL+14, OJ11, OK10, SS11, SG10b, SG10a, SG12a, SG12b, SH11, WBC13, WGD12, WG14, YD12, YN10, YB14, vEKdB14]. **Anisotropy** [LLMY14, MB13b, RR14, SG12a, SG12b, SRSV11]. **anisotropy-free** [RR14]. **annihilation** [SR13a]. **annular** [KTT12, Mit13]. **anomalies** [BD14c, OAXL13]. **anomalous** [MAD13, WV14]. **ANOVA** [LLZ14, YCLK12]. **ANOVA-based** [LLZ14]. **antenna** [ZLL10]. **Anti** [SHA11, SHA12, KL10b]. **Anti-diffusion** [SHA11, SHA12]. **anti-diffusive** [KL10b]. **any** [GPS10]. **aortic** [LS13a]. **aperiodic** [PMSM12, PS14b]. **apertures** [BL13]. **applicability** [HGSK+13]. **applicable** [Sen13]. **Application** [AC11, Bal10, Bal12b, Bal14, BDLGC13, CYK+14, CTP13, CRS14, CZ11a, FGE11, GH12a, GP12a, GK10, Ham10, KBRM12, KWS+11, KMA13, KBGRM10, Kol11, KL14b, LHH14, MS10b, Mar10b, MPWK13, MM12, MRS14b, MHGNM12, MGN10b, MGN12b, NHE14, NMZC13, PPS12, RTS13, SdAW14, TDVG13, Val14, VS11, VBCM10, ZYLK13, BDA14, BC10a, BG10, BDTW10, CFCA13a, CFCA13b, CL14b, CAH14, CDLL12, GLSC12, GJ14a, GKG+13, Hen13, HHL14, ISZ12, JLY10, KKS13, KST13, KKvZB14, KG14, LYE10, LTSH10, LH14a, LG14, LHV13, MJ13b, OBNN13, OBNN14, OD14, PRH+14, PL12, QS11b, SSS11, SF14, VDD10a, WC14b, ZFJ11, ZTL13, DFNNRdlA14, MGN14b, TVEC12, VSC+11]. **Applications** [BZ12, LRK11, ASGW11, AH13b, BGN10, BW13, BCW13, CMO14, CS12b, CZ13, DDF14, DMT+11, DMM+13, DMR14, hGzSwZ14, GCBH10, GKN+11, JMW12, JKQ13, KL14a, KIG11, LGG+13, MGN12a, NIN+14, NB13, OM12, QL11, SS12, SLH+11, SST10, TDL+14, WZ10, XQX13, YS12b, ZLH12, CCFCM11, FR13]. **applied** [AAI10, BLOdV14, BDKV14, BJ12, CFW+13, CRT10, CG13b, Del10, DOR10, DG12, EWH14, FH11, FY13, GVV13, KKC+13, Lan14, LVFK14, LLS11, LL10b, NLGL14, NDBG14, NKF14, NVS13, SK12a, Stu10, TD12b, VWF13, VG14, WR11, ZHW10]. **Applying** [KS11c, PSL20]. **Approach** [TK12, TK15, AC13, ABL+11, ABMT12, ACB+13, BDL11, BFR13, BW13, BPS14, BR11, BCL14, BCL+11, Boo11, CGC13, CMS10a, CGG12, CP14, CHKT13, CPX13, CW14a, CKR14, CST10, CRS12, Don14b, DL10b, EBGW13, ETW10, FM13, FLM12, FMT11b, GLLP14, GPCE13, GCE14, GZQ13, GMXG14, HD13, HMHO13, IAM+12, JEX10, JYHT10, KKL10, KBTD12, KKvZB14, KMA13, Leu11, LWF11, LM13, LHPH11, LGH10b, MB13a, MCD14a, MVS13, MP13, Mön13, MKB+13, MLBK14, MN14, NTV14, Nis10, OK14, OLPM14, PHRG13, PGLT10, PRA13, PHD14, PB13b, dlLPC10, QA11, RUL+13, RWX11,

RKGM14, RTKS10, RDHK12, SBC+14, SSB13, Sam14, SMF+13, SCIE14, Sco12, SD14b, SAHS14, SX14, ST11a, SGV13, SIT+11, TGO13, Vai14, WZ13, WLW13a, YVL+11, YKWS13a, YKWS13b, ZT13a, ZF12, ZCD10, ZJT10]. **approaches** [KMvM+12, LCY11, ZL10]. **Approximate** [Abr10, EAG14, MS11, PR14a, hGzSwZ14, NGV14, Ren11, Rie11, SGL14, UN13]. **Approximated** [GL14]. **Approximating** [RSS10]. **Approximation** [ABPSM11, BGK12, Chi12, CH11a, Gra14, PBC11b, RPA13, AHA10b, AR14, AM12, Alm14, APC11, BGGGS11, BCP13, BHBM10, DDS12, DST14, DO11b, FP12, hGzS13, GHDS10, GS11a, Hua14, KL12a, KL14a, Kaz10, Lee14b, LRBT14, LLP10, ML14b, RGK12, RK14, SBN12, SCC14, SBO11, TR11, VP10, WMI10, Whi10, WK14, Wol12, YR13, ZN10, ZK13, ZL10, Zho14b, vHtTBC11]. **approximations** [AKP+12, AC11, BS14b, BWMG14, Boy11, BHY14, EZ10, Gri12a, HW11, Hig13, HLYS11, JTXZ12, KDS14, KAFB11, KJ11, MDTC11, Mat14, MK11, Pir10, Pir11, VTTK13, ZT10a]. **APU** [CRK12]. **aquarium** [Nag14a, Nag14b]. **aqueous** [DXB+13]. **Arbitrarily** [GCH14, MTD14, NS11a, RTKS10, Zha10b]. **arbitrarily-oriented** [MTD14]. **arbitrarily-structured** [RTKS10]. **Arbitrary** [DSZ13, GT12, GIQ11, KS14, LX12, OS14, ARR11, AEM13, BHS14c, BBG+11, BR12a, BRSS11, BWMG14, CR13, DvW14, DFD14, ES13a, FK14, GW13b, GPY14, GH12a, GT11, HZS12, KBS14, KTT13, KS12, LK14, Li13, LS13c, LS10b, LSVW10, LS13d, LMS+10, LLN+10, MBMV13, MVS13, MGN14a, MGN14b, OS11b, Par12b, Pir12, RVB10, STC10a, SdAW14, TTD11, TAD14, TR14, VMS12, Wan10, WYC13, ZS14, ZJL+14, BD14b]. **arbitrary-geometry** [GPY14]. **arbitrary-Lagrangian** [LMS+10, BD14b]. **Arc** [KYP+14]. **architectures** [HRBK10]. **area** [KG12a]. **argon** [KM14b]. **arising** [CHHL11, HY10, JHDC10, TCW+10]. **arithmetic** [FMT11b]. **ARM** [GKG+13]. **ARM-based** [GKG+13]. **Arnoldi** [CHHL11]. **Arnoldi-type** [CHHL11]. **Array** [WZN14, KNR11]. **Array-representation** [WZN14]. **arrays** [Hel11a]. **arterial** [ADSF13, LL14a, XHF13]. **Artificial** [BHY14, OA10, TE11, Vai11, AOCR12, BD10a, Coo13, Deg11, hGzSnZ12, HZ11a, KSL10, Kaw13, KL12c, LS10b, OAKR14, OL13, RSS13, VW14a, Vre11, Wen10]. **ash** [MPS+14]. **aspect** [BLR13b]. **aspects** [FJ12, Kwo14]. **Asselin** [LT14]. **assemblies** [LZC+13]. **assembly** [KA13, RS14a, WT12a]. **Assessment** [JLB+10, KSL10, MWRZ13, SOG14a]. **assignment** [GRT12]. **Assimilating** [BH13c]. **assimilation** [CS14c, GLS10, GCLS11, GHM13, Kaz10, NMX12, QA11]. **assimilations** [ACCM12]. **associated** [And10, SP11]. **Association** [AM13]. **AstroBEAR** [CNSFD13]. **AstroGK** [NHT+13, NHT+10]. **Astrophysical** [NHT+10, NHT+13, KSB14]. **astrophysics** [KHHK12]. **Asymptotic** [Boy11, CDK12, CLS13, Den11b, GJLY13, MN12, OA10, OLFS13, AC11, BCM12, BS10a, CdCNH14, DLNN12, DMR14, FJ10, JY11, Mie13, OK14, RLJ14, VBGM13, WLW13a, WW14, CM13, CLM13, DDN+10]. **Asymptotic-numerical** [CLS13]. **Asymptotic-Preserving** [CDK12, GJLY13, MN12, CdCNH14, DLNN12, FJ10, JY11, RLJ14, DDN+10].

Asynchronous [DA14, MK14a, OK12, SK13, Unf13]. **atmosphere** [IBO14]. **atmospheres** [FMM+10]. **Atmospheric** [HMOH11, CP13b, KED+12, KL12a, KG12a, KG14, KSD12, LA10, NMZC13, NMCZ14, NNS11, OBNN13, OBNN14, SSW13, SKW14, Ste14, UJ12, YMLM+14]. **atom** [MMM11]. **atomic** [KJC13, MPPP12b, MPPP12a, RJC13]. **Atomistic** [GWK10, BLR13a, Gri12b, KMHJ10, ZJT10]. **atoms** [Ich13, JLS+14, JMKK12, SSR14]. **attenuation** [BCL14]. **Augmented** [Ion13, MGN12a, SKCC10, SP14b, VSC+11, BHK+10, BV14, LDM14, NRS10]. **AUSM** [KS13a]. **AUSM-family** [KS13a]. **Automated** [DRB14, Sog14b]. **Automatic** [Dri10, GBC11, PB13b, ABJ+12, DMR14, Kau10]. **Auxiliary** [SKN13a]. **avalanches** [FNGV14]. **Average** [CGM+12]. **average/point** [XIIX14]. **averaged** [HAH14, SH14, YK12]. **averages** [Gil13, KSS14]. **averaging** [LM13, ECD14]. **avoiding** [HP13, Nor14]. **aware** [BHS14c]. **axi** [NCKN10]. **axi-symmetric** [NCKN10]. **Axial** [JK11, LK14]. **axially** [HK14]. **Axisymmetric** [BLA+14, MA14, AW14, CMS10a, CRT10, DFD14, FGLB14, HKL14, HHL14, SSB13, ZKV10, ZGSZ10]. **azimuthal** [BdCB11].

B [BSV14, EH13]. **B-spline** [BSV14]. **B-splines** [EH13]. **back** [YZ12]. **backflow** [BC14]. **backgrounds** [FvdB12]. **backward** [LP13a, LQ10a, WZG+13]. **backward-facing** [WZG+13]. **Bad** [MMP11]. **Baer** [FP12, PZTW12, TT10]. **bag** [CB13]. **balance** [BKW10, CLS13, GGG+13, LPE+11, MAK14, MGN13, PWK11, Tok11a, VWF13]. **balanced** [BF12, CF10, DLGP13, DLM13b, DLM13c, FMT11a, FMM+10, KM14a, LGLX14, MW14a, MPT13, MGN14b, TR12, WYS+11, Xin14, Yok14, DMMGM14]. **balanced-force** [MW14a]. **band** [And13, BG10, BS14b, LDM14]. **band-limited** [BS14b]. **Bandgap** [MNF+10, HCH+10]. **bands** [BSS11]. **bar** [JXD14, RG12]. **barrier** [RJC13, Tok10]. **base** [MRS14b, VMS12]. **Based** [ABH+14, ARR11, ARR13, AL10, AHOT14, AS12, BK12a, BCZ13, BD10a, BOD11, BBC+12, BNM14, BWC13, BMK11, BMK12, BA10, BN14a, BERB+12, BYCC14, BHK+10, BS11b, BRSS11, BRS13, BRP14, BBD14, BGBR12, BDKV14, BCW13, CCKCG10, CNR11, CDF11, CK10, CM14, CXZ10, CP10, CBW10, CLZ12, CCL+14, CLSX14, CY14, CHHS11, CGMQ14, CGS13, CKR14, CSKP10, CDS13, Cou11, Dad12, DV13b, DLNN12, Del11, DLC11, Den11a, DP12, DFD14, DKR12, DS11, DCL11, DLM13b, EH14, EH15, EL11, FGZ12, FGR12, FL13, FH11, FL11a, GDHM11, GC11, GG14, GL13, GKG+13, GBB+13, GBS+14, GCL13, GHM13, GTSC14, GZQ13, HHS+13, HPS13, HHL11, HBAP10, HK14, HHGC14, HMM+10, HLSO13, HHK13, HH12b, HH13, HLZ14, HM13, HKL10, HMOH11, IAM+12, ISZ12, IWG13, ITO+10, JJM13, JTH10, JSX10, JWYH10]. **based** [KS11a, KF13a, KIF+14, KKO13, KO12, LEM11, LGC13, LQ10a, LLZ11, sLwG10, LLX11b, LJ13a, LLZ14, LXSR12, LT11b, LSVW10, LS13d, LBM14, LMQ+11, LMS+10, LL12b, LL14b, LXL+12, LXS+13, MDTC13, MS14a, MT13, MSD12, MYM12, MBD13, Mön13, MF13, MMJ14, MGN10a, NTV14,

NN12, OBT12, OK13, Par10, PBM11, PB13b, Per13, PT12, dlLPC10, RV10, RH13, RWX11, Ren11, RRCD14, SSS11, SP14a, SQC11, SS10c, SCB10, Soa13, SK12b, SGL14, sSLxRyZ14, SEBG12, SS10e, Tak14, TNK10, TD11a, UKP14, UGkM13, VBVD10, VB13, VS14, VWPF11, VWF13, VBSK10, Vol14, WZ14, WZ11, WLL13, WT13, WX14, WK13b, WZ10, WC14b, WG14, XZWW12, XS15, XPO14, XW10, XX13, YMS12, YDN10, YSW+13, YF14, YSW14, YD12, YCH+13, Yok13, YL14b, YYB12, ZVNM10, ZHPS11, ZHS10, ZGSZ10, ZD11b, ZMD14]. **based** [ZLL10, ZL13, vydCNS+10, WP14]. **bases** [KL14a]. **Basic** [YS11a, ZWL+12a, BL10]. **Basics** [DL13a, CMO14]. **basin** [LMQ+11]. **Basis** [MPR12, TG14b, AB12, AHOT14, BFE12, Boy10, BY11, Boy11, BX12, CXLF14, CST10, EGW11, FHMS11, FL10, GHS12, HBM13, HHGC14, LH10a, LB14, LLYE12a, LLYE12b, NB14, PGLK14, PSDF13, Pir12, PH13, RA10a, RPA13, Sal14, ST13, SPM+13, TCL11, ZBS12a, ZBS12b, ZD11b]. **Basset** [vHtTBC11]. **bathymetries** [RF14a]. **Bayesian** [AGS10, BZKL13, BH13c, ECDB14, ECD14, EM12, EWH14, HM13, JZ10, Jin12, KL14a, LMM14, RLPM12, Val14]. **BCYCLIC** [HPLS10]. **BDF** [Don10]. **BDF-like** [Don10]. **BDF2** [EMK11]. **beach** [OBT12]. **beam** [AAI10, AETT11, BLQ14, GV13, JWYH10, Whi10]. **beams** [BM10a, LQ10a, Lip12, MdVBS13, QY10, WS14]. **bed** [CVC12, MGN10a, RB10, RB13]. **Behavior** [SYL10, MMP11, YKWS13a, YKWS13b]. **behaviour** [Ain14]. **belief** [CZ13]. **BEM** [CES14]. **BEM-FEM** [CES14]. **benchmark** [VCS14, BLM+14]. **Benchmarks** [TSL+14]. **bending** [FLM12, iT14]. **Benjamin** [BX12]. **Bessel** [BY11]. **between** [BHM11, BWC11, BCLR10, Deg11, FQV13, GKF11, GDGP11, KL10b, MDM+12, MBGW13, Nag14a, Nag14b, Rem11, Rie10, SM12c, iT14, ZTG+13]. **Beyond** [KVBP+14, LE12]. **beyonds** [ARF12]. **BGK** [CL10, DL13a, DMR14, PP12, RHXQ14, XX13]. **BGK/hydrodynamics** [CL10]. **Bhatnagar** [MWRZ13]. **Bhatnagar-Gross-Krook** [MWRZ13]. **bi** [CHZ13b, CHZ13a, CSK14, DB12, HT10a, NB14]. **bi-harmonic** [NB14]. **bi-Maxwellian** [HT10a]. **bi-orthogonal** [CHZ13b, CHZ13a, CSK14]. **bi-periodic** [DB12]. **biased** [SST10]. **biasing** [BK12b]. **bicharacteristic** [DLM13b]. **bicharacteristic-based** [DLM13b]. **bidirectional** [KKC+13]. **bidomain** [CEK14, Pie12]. **BIE** [HVD13]. **bifurcation** [GBC11, WIJ13]. **bifurcations** [CM13]. **biharmonic** [JRTY11, JKQ13]. **bilayer** [SBA13]. **Billion** [MMM11, ARF12]. **Billion-atom** [MMM11]. **bimolecular** [NMV13]. **bimolecular-reactive** [NMV13]. **Binary** [HH12b, HH13, CDS13, GZZ14, PBC+11a, Sza12]. **biological** [GK10, TDL+14]. **bioluminescence** [HQL+10]. **biomechanics** [KVC+13]. **biomembranes** [BNP10, ES10, LSM14, PRA13, RPA13]. **biomolecular** [LHMZ10, WRH10, Xie14a]. **biomolecules** [GK13]. **biopolymer** [CMBW13]. **biorthogonal** [dlLPCP12]. **Biot** [BCL13, FCG10]. **blended** [WA12]. **blending** [SGL14]. **Bloch** [ÁCB12, JWYH10, NLGL14]. **Block**

[BMP14, Fat10, He13, HB13, CST12, Gao13, HPLS10, MA13, PJCS14, SSS10, SY11c, Zho10]. **Block-spectral** [He13]. **Block-structured** [HB13]. **blood** [BC10a, BCG+13, MMT14, MPT13, WC14b, ZZK+14, ZIOF10]. **BlueGene** [ARF12]. **BlueGene/P** [ARF12]. **bluff** [RBCK10]. **blunt** [NHE14]. **Board** [Ano12f, Ano12g, Ano12h, Ano10b, Ano10c, Ano10d, Ano10e, Ano10f, Ano10g, Ano10h, Ano10i, Ano10j, Ano10k, Ano10l, Ano10m, Ano10n, Ano10o, Ano10p, Ano10q, Ano10r, Ano10s, Ano10t, Ano10u, Ano10v, Ano10w, Ano10x, Ano10y, Ano11c, Ano11d, Ano11e, Ano11f, Ano11g, Ano11h, Ano11i, Ano11j, Ano11k, Ano11l, Ano11m, Ano11n, Ano11o, Ano11p, Ano11q, Ano11r, Ano11s, Ano11t, Ano11u, Ano11v, Ano11w, Ano11x, Ano11y, Ano11z, Ano12b, Ano12c, Ano12d, Ano12e, Ano12i, Ano12j, Ano12k, Ano12l, Ano12m, Ano12n, Ano13i, Ano13j, Ano13k, Ano13l, Ano14-34]. **bodies** [BHS13, BBGP13, BD12, BM11, De 10, MCA+13, Mel11]. **body** [BGZ12, CDSP13, HSWZ13, HCS11, LKCY11, LY13a, MDM+12, PB13b, RBCK10, SD14a, SCGE13, TPA+13, WYYK10, WY11, XHF13, YL11]. **boiling** [TSL+14]. **Boltzmann** [FRP14, MVS13, dv23, AJ14, BSDM12, CL10, CRS14, CLZ12, CHKT13, CGR11, CL13, CSB14, CLAL14, DD12, Del13, Del14, FY13, FSL10, GH14, GK13, GG14, GBB+13, Gra14, GWCA14, HE14, HG11, HvB11, HW14a, HHL14, HW14b, HCM10, IF10, JNSA12, JYHT10, KH13, KMA13, LMLC12, LRT13, LL10a, LMK13, LP14a, LZC+13, LZV12, LVZK14, MD13, MMR12, MB10a, MS10b, MS11, MS14a, Mel11, MZ11d, MZ14, ML11b, MTG11, MM11, MVG11, MHGM14, NSA11, PPB14, Pri14, RK14, RLJ14, RJG10, SMP+13, SHFB12, SSC13, SSX13, SS14a, TLZ+11, TRL14, VS11, VMS11, VMS12, VS14, VM10, WK10, WZG+13, WZT+14, WC11, WS10c, WS11, WWS+13a, Xie14a, XS13, XM14, YYY+14, YZ12, YN10, YN14, ZGSZ10, Zho14a, ZF14, vTCL+10]. **Boltzmann-Immersed** [FRP14]. **bond** [NWLS12]. **bone** [AKL+13, SR13b]. **boom** [AL10]. **boosted** [VGCMG11, YXD+14]. **BOR** [TD11a]. **Borehole** [PMM+11]. **Boris** [TAAY14]. **Bose** [AD14, BCW10, BCZ13, CCW11, CCC12, DH10, FT12, JCC14, LZZC14, MTZ14, ST13, Wan11b, Wan14, WC14a]. **boson** [BD11a]. **bounce** [YZ12]. **bounce-back** [YZ12]. **bound** [AM12, MB13b, VKL+13]. **boundaries** [BWC13, BUH11, CN10, GPY14, Gri13, GT11, JKR14, MGLS12, MK12, MHHGN14, NS14b, SS10a, UGF14, YS11a, YS11b, ZN14a]. **Boundary** [ABH+14, BB12a, BGH10, CF11a, CEK14, CTG12, CG12, FCYF11, FCY13, LMK13, MK12, SVK14, WY11, ABD14, AV10, AHA12, AMP14, AST13, ALS+14, ADSF13, AKMD14, BF14, BN11, BN13, BN14a, BS10a, BR10b, BRS10, Bre12b, BHY14, CKS14, CCFCM11, CT10, CT13, CHC11, CFKL11, CB10, CLS10, CVI+13, CGC+12, CCG11, DDF14, DK14, DP12, Don14b, DKC14, Du11b, DGF14, DWZ10, EO11, ES13a, FDHP11, FL14, FY13, FCN+13, hGzSnZ12, GCA13, GW11, Gen13, GK13, GHM14, GGH14, GS11b, GH10, HPA14a, HZ11a, HKM12, HG11, HLW13, HL12b, HDD14, HF11, HDPF11, HKL14, HCS11, HCS12, HW14a, HF10, IF10, JYHT10, JMW12, JC10, JCT11, JLC14, JM10, Kau10, KS11c, KSR+14, KF12, KJ11, KT14,

KLP10, KL10a, KLPS14, KTT13, KG12b, Le 14b, LRL10, LGP10, LKCY11, LY13a, LFK11]. **boundary**
[LVFK14, Li10a, LKTL10, LL14a, LRK11, Liu11b, LX13b, LH14b, LL12b, LL14b, LYD10, Man12, MBS13, MMSI13, MBMV13, MZ14, MJ14, MST14, MP13, MBD13, MSTL14, MLBS14, NTV14, NMZC13, NMCZ14, NZ14, Nic11, NEE12, PSL20, PBT14, PGR10, PHRG13, PR11, PNPF10, PC13, PGA11, RVB10, RPV13, RzSZ13, RKGM14, RVbZ10, SG10b, SG10a, SG12a, SG12b, SHMS13, SM11b, SM11c, SSC13, SF12, SR11, SC11, SP11, SDH12, SN14, Tak14, TS10, TS11, TWSN12, TG14a, hT10b, TLZ+11, TE11, TH14b, TA13, UGF14, Vai11, Vai14, VRB10, VM10, VW14b, WZ11, WZ10, WS10c, WYC13, Xu11, XMDG13, XMDG14, YYY+14, YL11, YLW10, YCY11, YS12a, YHL13, YZ12, YW13, YHM12, ZT13a, ZF12, fZlC11, Zha10b, ZIOF10, ZzS11, ZW10b, ZLH12, ZF14, vDS12, FRP14, HGRB14, MDM+12]. **boundary-lattice** [TLZ+11, WS10c, ZF14]. **boundary-layer** [AKMD14, DWZ10, MMSI13]. **boundary-phase** [SSC13]. **boundary-SAMR** [KSR+14]. **boundary-thermal** [HW14a, JYHT10]. **boundary-value** [HLW13, PR11]. **boundary/level** [CB10]. **boundary/level-set** [CB10]. **bounded**
[BLQ14, CES14, EEK14, KH13, LSBJ14, VXB14]. **Boussinesq**
[CW13, EEK14, KDS14, OBT12, PDZ+14, RF14a, WZZZ14]. **Boussinesq-type** [EEK14, KDS14]. **box** [ZzS11, RP13]. **box-type** [ZzS11]. **brain** [GFK13]. **branch** [GBC11]. **breakdown** [CRS14]. **breaking** [IBO14, KDS14, SMS14]. **breakthrough** [CM13]. **breakup** [KBB13, SY12c]. **breathing** [YCH+13]. **bridging** [HDPF11, LB13]. **bright** [BTX13]. **Brinkman** [CCLV10, MWY14]. **brittle** [AJV11, LYE10, SLC+11]. **broad** [AF13]. **broadband** [AH13b, DG12]. **Brownian** [LKP14, PAG11]. **Brunt** [HdBK12]. **Brusselator** [LRBT14]. **bubble**
[CP12, HRBK10, HY09, HY11, HHL14, MBGW13]. **bubble-stabilized** [HY09, HY11]. **bubbles** [APF13, KL11b]. **Buckley** [MJM13]. **build** [vTCL+10]. **bulk** [BP10, CL14b]. **Buneman** [DST14, TAAY14]. **buoyancy** [EMS11]. **Burgers'** [ZOWZ10]. **burning** [MRD13].

C [Pri14, Gas11, Gri13, RTKS10, WPKK12]. **C-grid** [Gas11, Gri13]. **C-grids** [RTKS10]. **CAA** [GYL12]. **CABARET** [SK13]. **CAD**
[XMDG14, MPR12, XMDG13]. **Cahn**
[HGW11, BSSW12, BSS12, BSB14, GLWW14, GGT13, GXX14, GLL14, HHK13, LDE+13, RNT12, SJK11, WG11, ZW10a, ZTG+13]. **CaIrO** [Ber14]. **calculating** [And13, ELM14, Tit12]. **Calculation** [MBS13, NVS13, IKO+14, LH13, LLYE12a, MAPP13, MKB+12, SS10c, Son11, SL13b, Xie14a, YTYJ12]. **calculations** [BHL12a, BG10, BV13, BHK+10, CBPS13, CNSFD13, DR14, DSHP11, EH14, EH15, Fat10, GD10, GBB+13, ITO+10, JFC+13, KM14b, LE13, LKTL10, NIN+14, PA12, PA14, SV10, XS15]. **calculator** [VED13]. **calculus** [CT14, LCY11, RMMD14]. **Calderon** [KST13, NN12]. **calibration** [LMM14]. **californica** [Ham10]. **Camassa** [SCY11]. **canal** [vTCL+10].

cancellation [SSS11]. **canonical** [HCS+10, KSS14]. **capability** [AKMD14]. **Capacitance** [HP13]. **capillaries** [SHFB12]. **capillary** [MSB14]. **capsule** [FBM14, iT14]. **capsules** [HCS12, LT10a, LW11]. **capture** [DvW14]. **capturing** [BD10a, BCG+13, Coo13, IST+12, IXX14, JH12, LZZR10, Mar10b, OD13, RWX11, SPF10, Shu14, Xu11, YKWS13a, YKWS13b, ZJL+14]. **Caputo** [hGzSwZ14]. **cardiac** [ABK12, ABK13, CYK+14, KVC+13, MNKS13]. **cardinal** [Boy11]. **cardiovascular** [BDM13, MVCFM13]. **Carle** [XX12]. **Carlo** [DWL10, Gho17, HH12b, HH13, AB13, AJG+13, AKP+12, BDL11, BHM11, BHM13, BP13a, Boo11, CRS14, CGP10, CBGK13, DD12, Den11b, DTU12, DBO+10, EMSH14, GCA13, Gen11, GKN+11, HJBB14, JNSA12, KSS14, LC13, LWZ+13, MMM11, MSS+14, MOV12, MSS12, MVG11, MJM13, MMJ14, NKSR12, NVS13, PBC+11a, QA11, RLJ14, RSFS13, RRD+14, SBC+14, SJB11, Sch13a, SR13a, SD14a, SD14b, SSFM12, SSR+13, SSK+12, TSR13, WPP10, WK13b, WP14, ZKZ10, ZKKF10]. **Carlo/deterministic** [BDL11]. **Cartesian** [WYC13, GITW12, TD12a, BCL14, BCM+11, CCY13, CR13, CCG11, DjY14, EQYF13, GIMT14, KWSJ11, KSU13, KSR+14, LKTL10, MMR12, MBLM10, MTG11, MG14b, PHRG13, PMSH10, PB13b, SKU13, SY14a, SC11, UKP14, VBSK10, WY10, WY11, XFC+14, ZN14a, ZN14b]. **Cartesian-based** [UKP14]. **Cartesian-grid** [WY11]. **Cartesian-grids** [WY10]. **Cartesian/immersed** [WYC13]. **case** [DL13b, FNGV14, FJ12, LX14, Pri14, RA10b, RS13b, RS14b, SMF+13, TA13, YHT11, YT12]. **cases** [NL10, PE10, ZWL+12b]. **casting** [CNR11]. **catching** [JXD14]. **catching-up** [JXD14]. **Catmull** [LW11]. **Cattaneo** [GMA10]. **causal** [AiINT14, TiI11, AAT+14]. **Causal-Path** [AAT+14]. **cavitation** [PS14a, PS15]. **cavities** [Du11b, MBMV13]. **cavity** [CLAL14, Du11a, DSZ13, LW13a, MAPP13, PPS12, RTS13, TRSMM+13]. **CC** [Sen13]. **CDG** [LGLX14]. **CDG-FE** [LGLX14]. **CE** [CWL10]. **CE/SE** [CWL10]. **Cell** [AW14, HCS+10, ADMA13, BILM14, CCB13, CY12, CCB11, CCB12, CC13, CCMG+13, CCL+14, CS10, CTJT13, CDLL12, CWZ+11, DTG+14, DOR10, DL12, DGAH10, DWZ10, FE11, Fuj11, GMB10, GHP13, GH12b, HT14, HLZ14, KGKS13, KD10, KHRD11, KHJ+13, KSB14, Lap11, LY13a, Li12, MB12, MAB+13, ML11a, MTB10, MT10, MKB+13, PJCS14, SSB13, SHMS13, SF14, Son11, SD14c, VR14, WAM14, WZ10, YWY10, ZL10, DDN+10, DC13, ILM+13, MHL+14, RCW11]. **Cell-centered** [AW14, CY12, CS10, CDLL12, DL12, FE11, GMB10, GH12b, KD10, MB12, MAB+13, MTB10, MT10, MKB+13, PJCS14, SSB13]. **Cell-level** [HCS+10]. **cell-local** [WAM14]. **cells** [BHS14c, DFD14, EBGW13, Hel11a, KBSV14, Mac10, ZIOF10]. **CENO** [IG14]. **center** [LP12a, Men12, WP10]. **center-difference** [WP10]. **centered** [AW14, CY12, CS10, CDLL12, CG13b, DL12, FE11, GMB10, GH12b, HPOM10, KD10, MB12, MAB+13, MTB10, MT10, MKB+13, PJCS14, PLN11, SSB13]. **centered-difference** [HPOM10]. **Central**

[LXY11, CLQX13, HWA10, IG14, LX12, LZZS13, RHXQ14, SIDG13, TK12, TK15, YR13, Zie11]. **central-upwind** [HWA10]. **centred** [AGBC14, AST12]. **centres** [DO11a]. **certain** [GPS10, Vai11]. **CESE** [BYCC14, QY12, RCQL11]. **CFD** [AQ11, EH15, XS15, ADT14, EH14, KS11a, KS11b, MT13, XDZ+14]. **CFD-DEM** [ADT14]. **CFL** [CCGP13, TD11b, XCL14]. **Chain** [LC13, RMMD14, GW13a]. **Chain-Rule** [GW13a]. **chains** [KSS14, LHK12]. **challenges** [KYP+14]. **Chandrasekhar** [Tan11]. **change** [AHOT14, DMHL14, HK13, HW14a, LYD10, SN13a]. **changed** [SKCC10]. **changes** [BLM11, NW10]. **Channel** [VT13, BPQO13, LTC14, OAK11, VKBK11]. **channeling** [SBS+13]. **channels** [MGN14b]. **chaos** [AGS10, BS11b, GvdSVK10, KL14a, LBR14, PHD14, PGLK14, RWX11, RLPM12, TG14b, BW14, CSK13]. **chaotic** [Wan13b, WHB14]. **characteristic** [BDKV14, HKM12, LL14a, MBD13, PC13, SGL14]. **characteristic-based** [MBD13]. **Characteristics** [CBCM+11, KS11a, Tal13]. **Characterization** [JAX11]. **characterizations** [BCZ13]. **characterized** [KG13a]. **Characterizing** [KIG11]. **charge** [CCB13, CCB11, CC13, DXB+13, KHRD11, LHPH11, TAAY14]. **charge-** [CCB13, CC13]. **charge-conservative** [LHPH11]. **charge-conserving** [CCB11, KHRD11]. **charged** [LTC13, Zoh13]. **Chebyshev** [AV13, And10, BDLGC13, BY11, DAEB13, DBHBB13, HP13, HBZL14, LR11, LTSH10, LB14, MSD12, TDL10, Zho10, ZCS14]. **Chebyshev-filtered** [ZCS14]. **checkerboards** [Hel11b]. **chemical** [DR11, ERS14, JU10, KF13b, LRS10, Nag14a, Nag14b, NS14a, PPWZ11, Pud11, YR13]. **chemically** [KSR+14, LI14, SRN10]. **chemistry** [MMSI13, RXLS14, YYB12, ZDSP11]. **Cherenkov** [GV14]. **Choice** [SF12, WC11]. **Chow** [ZZB14]. **Christov** [BX12]. **CIP** [FS10b]. **circuits** [Cam13, OBTC+13]. **circulant** [LS13b]. **Circular** [YSW+13]. **circulation** [BDTW10, MCJ14]. **clamped** [LHM14]. **Clark** [LW11]. **class** [ADB14, BJLR14, BDMV11, CCLS10, CP13b, FJ10, hGzS13, HDHZ13, JY11, LZZS13, Mar10b, NL10, PA14, QL11, RT14, SRL+11, Tok11b, ZWL+12a, ZWL+12b, ZMD+11]. **classes** [GPS10]. **Classical** [MTSG12, NVS13, RS13b, RS14b]. **cleaning** [TP12, YVL+11]. **clearance** [Mit13]. **climate** [DMP14, JWNL11, OMCO14]. **cloaking** [LHY13]. **cloaks** [FGE11, LHY12]. **Closest** [MBR11]. **closure** [BHS14c, RB13, VTTK13, WABI11, TBMH11]. **closure-independent** [RB13]. **closures** [AHOT14, FCYF11, IAM+12, MT13, Ols12]. **cloud** [RWMG11, Alm14]. **CLSVOF** [KBB13, Yok13]. **cluster** [GKG+13, KEGM10, KO12, RJC13]. **clustering** [JJM13, Wit13]. **clusters** [BGK12, GHH14, LBRA+13, Ran11, Ran12a]. **co** [CRG13, SLI10]. **co-located** [SLI10]. **co-volume** [CRG13]. **CO5BOLD** [FSL+12]. **coagulation** [DRW11, WK13b, ZKZ10, ZKKF10]. **coalescence** [DLM+13a, KBB13]. **coalescence/breakup** [KBB13]. **Coarse** [ALGB+13, ZKKF10, BdCB11, Ich13, KKPV12, LG14, PJCS14, PA14, SS13a, ZZK+14].

Coarse-grained [ALGB+13, ZKKF10, LG14, PA14, ZZK+14]. **coarse-graining** [Ich13]. **coarse-grid** [SS13a]. **coarsening** [NT14]. **coastal** [TQW14]. **coated** [KL11b]. **cochlear** [BS11a, SBWF14]. **Code** [BHL12b, BHB11, BGZ12, CDSP13, GLB+11, IH13, JNW+14, KSB14, Lap11, MA14, NHT+10, NHT+13, TGT+10, TP14, TBNT11, YXD+14, YS12b, ZKV10]. **code-independent** [IH13]. **codes** [CCMG+13, GV14, HT14, IH13, KGKS13]. **coefficient** [DS12, HWW10, MGJZ10, Mar13, ZT10b]. **coefficients** [AGS10, CCG11, DV13a, GKN+11, GP13, HPV13, OK14, PBC+11a, SKCC10, XZWW12]. **coexistence** [LC13]. **Coherent** [MVG+12, AMDR10, NRS10, YL14a, RS10b]. **cold** [TD12a]. **Collaborating** [XDZ+14]. **collective** [LJ13a]. **Collision** [HH12b, HH13, HCS+10, KM14b, KWH10, KS13b, LH13, LHK12, MZ14, PG11, WMK13]. **collisional** [HT14, LWF11]. **collisionless** [AHS14]. **collisions** [AiINT14, BP13a, CDS13, DCC+13, GH14, HT10a, IAM+12, LE13, RRCD14, RRD+14, SSX13]. **collocated** [RP13, TLO+14]. **collocation** [AA13, BdF10, CN12, CCC12, DYYA14, DBAV14, Dri10, FKM11, FF12, FK10, GRS14, HP13, JNX13, JCC14, Lee12b, LTSH10, LTT10, Mar13, NHE14, RVFK14, RMMD14, SAM10, ST13, SPM+13, WZZ14, WI13b, WI13a, WTYC13, YZX14, ZN10, ZTS+10]. **colloidal** [Kea14, LZC+13]. **Combination** [DLLW14, HPS13, LP13a]. **combinations** [VDD+13]. **combine** [BJLR14]. **combined** [ABD14, CSK13, DB12, DF10a, LZZC14, LLP14]. **Combining** [DDL13, KO14, CHKT13, HSN13, LSM14]. **combusting** [GG10]. **combustion** [BHB11, DLM+13a, DKR12, Ger12, ISZ12, LI14]. **Comment** [Dad12, PSL20, XS15, ZJS15, dv23, AK10, EH15, RDHK12]. **Comments** [Gho17, HSK+15]. **commercial** [JWNL11]. **commitment** [KH11]. **common** [Opp13]. **communication** [CRS14, NNS11, Nor14, OBT11, SSFM12]. **communication-avoiding** [Nor14]. **commutator** [AF11]. **commutator-free** [AF11]. **Compact** [Cui12, FKM11, HCD11, HM10, LN10c, MDTC11, Mur10, PJCS14, RzSZ13, TGGT13, WV14, BSS14, Boe11, DEH11, hGzS11, Ge10, GHM12, GCL13, GXS14, HE14, Kim13, LT12, LJ13b, LZZS13, MDTC13, NMT+12, PDSS10, RBS12, SBS11, SZ11, SCY11, SY14b, TY11a, Tyl14, VW14b, WGX13, Wen10, YS13, ZFH14]. **compact-WENO** [GXS14]. **compactly** [Vai11]. **companion** [Boy13]. **comparative** [JHDC10, KGSS10]. **Comparing** [BY11]. **Comparison** [BHM11, BBC+13, BM13a, CHHS11, DSHP11, LLX11a, MCDT12, MBGW13, iT14, BTX13, Boy13, GNGAS10, LKT+12, LCP13, MOSW12, Pri14, PR14b, Rie10, SMP+13, TDU14, WPK14, ZTG+13, vRLPK11]. **Comparisons** [GDY10, BMD+13, CB13, HL12a, JNW+14, SC10]. **Compatible** [KBS14, CS12a, FGN14, KAB+14, MK13, OS14, PRH+14, TF10, dCRCS10]. **Complement** [Rod12, FMT11b, LYD10, SR13d]. **complete** [LHH14]. **completely** [NW12, YD11]. **Complex** [Lip12, RVbZ10, STD14, ADSF13, ABH+14, BH13a, BUH11, BP13b, CKS14, CB10, CZ11b, CLS10, CGC+12, DBO+10, Guy13, HS13a, JTT14, JK11,

KWS+11, KIG11, LH13, LL14a, LN10c, LGE+13, LH14b, MGN11, NJ12, PBdGP14, PHSA14, RF14a, SHCY13, SSM14, SM11b, SZ11, SJK11, SCC14, SY11c, SHZF12, UKP14, VBVD10, VS11, WYYK10, XDZ+14, YZ12, ZN14a]. **Complex-plane** [STD14]. **complexity** [Pie12, PS14b]. **complicated** [CLZ12, Mar10a]. **component** [BD10b, HK11, MZ11a, MTZ14, PvDGvM11, PvDtTB+11, ZKZ10]. **components** [ASK+13, FK14, LRT13, PBC+14, SBT14, dv23]. **composite** [BHS12, Du11a, JXD14, Mar13, TRL14]. **composition** [JWNL11, LBR14, WPP10]. **composition-resolved** [JWNL11]. **Compositional** [PM14, DFVY14, MF10, MF13]. **comprehensive** [LRK11]. **compressibility** [AOCR12, Deg11, OAKR14, OA10, PPTMDK13, TM10]. **Compressible** [JSA14, AB11, BHS13, BOD11, BDKV14, CVN13, CP10, CS10, CS14a, CS14b, CRT10, CC14, CGC+12, CGF+13, Del11, Del10, DL12, DL10b, FG12, FL11a, GITW12, GIMT14, GVV13, GKF11, GF13, GCL13, GDGP11, GXS14, HLT10a, HHA14, HMHO13, HK11, HK13, HAS13, JKW11, JLB+10, JH12, KKP10, KSL10, KL10b, KG14, KK10c, KGK13, LMFH11, LGC13, LLX11a, LZ13, LLN+10, LXS+13, MWP14, MS10a, MF14, MESV10, MDM+12, MJ13b, NMT+12, NKF14, OL13, PZW14, PZG14, PC13, PL12, PR14b, QLW14, RGMC13, dCRCS10, RS10b, SM13, SZ10, SSHM10, SS10c, SPF10, Shu14, Shy10, SX14, SKW14, SHA12, SRL+11, TS11, TBMH11, TT10, UKP14, VL14, WFK11, WWX+10, WS10b, WP10, XMS12, XS13, XW14, YCLK12, YSW+13, YSW14, ZHW10, ZS10b, ZS11, ZS12, dPSS12, vV12]. **compression** [HdCNT12, JU10, Opp13, OK10, RJG10]. **Compressive** [DvW14, ZDSP11]. **Compton** [DWL10]. **Compton-scattering** [DWL10]. **Comput** [ASS17, CFCA13a, Dav15, Gho17, HY11, LWD13a, NHT+13, OBNN14, PS15, SYV17, SS14b, TK15, XMDG14, YKWS13a, ZJS15]. **computable** [AM12]. **Computation** [BS14a, CCLV10, DTYY14, GCLS11, LJ13b, MPS+14, MRS14b, RW13, AK10, BM13a, CJLC11, CB10, DV13a, DKW10, ES10, EAB+12, ES14, FN10, Fuj11, GT12, Gen13, GHM12, GP13, Gür14, KED+12, LRS10, LL12a, LH10d, LHV13, MTD14, MLGN12, PBdGP14, PM14, RS13b, RS14b, Tan11, TVEC12, Wan13b, WC14b, XW14, ZD11a, ZKKF10]. **Computational** [ASXZ14, AS12, APRS14, Dad12, EH15, GHS13, HSK+15, KEG+12, KYP+14, Try12, XS15, BSV14, CFCA13a, CFCA13b, CCB13, CP10, CGS13, CR14, EBGW13, Fal13, HHGC14, LCP13, OD14, OK13, PMS11, PSM11, PSM13, PMS14, PT12, SAHS14, SR13b, SC13, SS13c, Ton14, XHF13, XS11, XMDG13, XMDG14, LLH10]. **Computationally** [WG11, GL13, MJ13a]. **computationally-efficient** [GL13]. **computations** [AST13, BK12b, BX12, CRK12, CG13a, GP12b, GGG+13, HLLW11, KS13a, LEH10, LEH12, LWD13a, LWD13b, LvZB10, OS11b, PB11, RWX11, SS13a, SHCY13, SLT+14, SFWP10, SCB10, YS11b, ZS14]. **compute** [CP14, GD14, LFW11, STD14]. **computed** [LTC13]. **Computer** [HVT12]. **computers** [HOK10]. **Computing** [Ber14, Gil13, LSM14, LD12, WJC13,

AD14, AC11, BCW10, BD11a, BCZ13, BTX13, BM10a, CDSP13, CF11b, CC12, CH14, DH10, Don11, FN14, FT12, GSTB13, GMG12, HF11, KST13, Kol11, LKP14, Leu11, LLX11b, xLqW13, LTC14, MWP14, MP13, MTZ14, NHE14, PMMB14, SSB13, Wan11b, Wan14, WC14a, YL14a]. **concentrated** [YM10]. **concept** [BF13, ZPGO10]. **concepts** [LRS10]. **condensates** [AD14, BCW10, BCZ13, CCW11, DH10, FT12, JCC14, MTZ14, ST13, Wan11b, Wan14, WC14a]. **condensation** [CCC12, HSN13, LZZC14]. **condensed** [MFM12, SNBN13]. **condensed-phase** [SNBN13]. **condition** [AV10, AHA12, Don14b, DKC14, GS11b, HZ11a, JCT11, JLC14, Lee12a, MZ14, PBT14, RPV13, SSC13, SF12, TDL10, UGF14, VM10, Xu11, XCL14]. **Conditional** [YF11, Oli14, TBMH11]. **conditioned** [CBPS13, WZZ14]. **Conditions** [TD11b, AMP14, ALS+14, BDT10, BB13, BN11, BN13, BN14a, BHY14, CCGP13, CT10, CVI+13, CG12, CGC+12, DK14, Du11b, EC13, FY13, FCN+13, hGzSnZ12, GCA13, GHM13, HPA14a, HKM12, HG11, HF11, HDPF11, IF10, JM10, KSS14, KMHJ10, LDS11, LFK11, LVFK14, LMK13, LKTL10, LL14a, LMS11, Liu11b, MNR11, MJ14, MLBS14, Nic11, PGR10, PHRG13, PBB14, PL10, PRL10, PC13, PGA11, RzSZ13, SG10b, SG10a, SG12a, SG12b, She13, SR11, Stu10, SP11, TS10, hT10b, TE11, Vai11, Vai14, VW14b, YZ12, ZT13a, ZzS11, ZW10b, BGH10]. **conductance** [SHFB12]. **conducting** [KSR+14]. **conduction** [BD12, BDLGC13, Coo13, FAY+13, KK10a, LCK11, MM11, MSTL13]. **conduction-radiation** [MSTL13]. **conductivities** [APRS14]. **conductivity** [BLM11, Hel11a, Hel11b]. **conductors** [Liu11a]. **cone** [HPA14b]. **configurations** [KSB12, RARO13, VBVD10]. **confined** [Jar12, LVZK14, MLBS14]. **Confinement** [WCM+14, TTR+12]. **Conformal** [MNS13, BY11, CWZ+11, DZL13, PL10]. **conforming** [CRG13, EH13, KM13, KSR+14, NKS10]. **congestion** [DHN11, DH13]. **conical** [HZ11a]. **conjugate** [KKvZB14, LN10b, NTV14, SD14c, Vol14, ZVNM10, MMM13]. **connected** [LM14b]. **Connecting** [PBB14]. **connections** [BCLR10]. **Connectivity** [WWZ13, SFWP10]. **Connectivity-free** [WWZ13]. **conquer** [BRP14]. **consensus** [YWS13]. **Conservation** [DMM+13, AGBC14, BMS12, Bal12b, Bal14, BK14b, CCD11b, CCK13, CS10, CB10, CDL11, DMT+11, DF10b, DZLD14, EFT13, Fan14, FD11, FCN+13, FC13, GAV13, GPP11, HHS+13, HTHG14, HAH14, IDNG13, JS13a, KPH13, Kri10, KL12c, LJX+14, LRLL11, LR12, MN11, MSS12, MNS13, MLM12, MV13, NF12, Par12a, PYK10, QL11, QL12, RSS13, RTKS10, SK13, SM11c, SABH11, SHZ13, SLI10, TS10, TWSN12, hT10b, UGkM13, XL11, XLD+11, XCL14, YHL13, ZS10a, ZWL+12a, ZWL+12b, ZLCW14]. **conservation-flux** [SK13]. **Conservative** [AINF13, CMS10b, JM12, KS14, QS11a, Ros10, YF14, ANIF14, AK10, AHA10a, AH10a, BOD11, BBG+11, BRSS11, BRS13, BD14b, CDT13, CL14b, CS14b, CL11b, DB13, Era13, EN14a, EN14b, EAN11, FCN+13, GH14, GW13a, GF13, HLM11, HSK+15, HAS13, KR10, KAFB11, LSM14, LNU10, LP13b, LGF11, LSVW10, LHPH11, MKCB14, MD13, MD14,

MDH$^+$10, MTB10, Mig14, MG14b, MDM$^+$12, Mor10, MK14b, NL12b, NS14b, OAK11, OS11b, OD13, OD14, PvDtTB$^+$11, Pir10, QC10, SN12, SN13a, SJK11, SS10d, TF10, TWMM14, WYS12b, WGX13, WXY14, Zad11, ZSW10, ZHY13, ZN14a, WY10]. **conserved** [LY13b, ZM10]. **conserving** [CCB13, CCB11, CC13, CCZ14a, CCZ14b, CSX14, HHL14, KBS14, KJ11, KHRD11, LTL$^+$14, MRS14a, ML11a, OS14, San13, TS12, Zer10, vV12]. **considerations** [CVIA10, LB10]. **consistency** [BH13a, FQV13, HLSO13, HZ14, PP14]. **consistent** [BNM14, BN13, BN14a, CDT13, CdCD12, DR11, GK14, KKLR10, LGE$^+$13, NL12b, OS14, PS14a, PS15, SKW14, XJ12, ZN14a]. **consolidation** [FCG10]. **constant** [BMK11, CWC11, DS12, LP12b, PM14, fZlC11, ZWL10]. **constants** [Ber14]. **constitutive** [LXM14, VP10]. **Constrained** [BHS14c, TP12, ZD12, CLSX14, CRT14, HMM14, HMS10, HRT11, HA14, IX10, KS13b, KBSV14, KMSS10, SAM10]. **constraint** [ACCM12, DHN11, McD14b, NMV13, PvDGvM11, WSS12, XCL14]. **constraints** [BH13a, BSS12, Kau10, MM12, ZD12]. **constructed** [WYS12a]. **Constructing** [XMDG13, XMDG14, SW11, ZF12]. **Construction** [ALR11, TDU14, WYS$^+$11, Cou11, KSR$^+$14, Kol11, LLY11, MF12, MW12, SRN10, Vai14, WZ14]. **contact** [BSSW12, DL10c, GW12, GW14, Han11, HGW11, JGZL14, Joh11, MKB$^+$13, RB14, SN12, SSC13, SYY14a, SYY14b, SSB$^+$12, SS13c, Vol14, XR14]. **containing** [YKWS13a, YKWS13b]. **contamination** [DL10b]. **content** [Try12]. **Contents** [Ano10a, Ano11a, Ano11b, Ano12a, Ano12x, Ano13g, Ano13h, Ano13a, Ano13b, Ano13c, Ano13d, Ano13e, Ano13f, Ano13t, Ano13-41, Ano13-42, Ano14a, Ano14-27, Ano14-28, Ano14-29, Ano14-30, Ano14-31, Ano14-32, Ano14-33, Ano14b, Ano14c, Ano14d, Ano14e, Ano14f, Ano14g, Ano14h, Ano14i, Ano14j, Ano14k, Ano14l, Ano14m, Ano14n, Ano14o, Ano14p, Ano14q, Ano14r, Ano14s, Ano14t, Ano14u, Ano14v, Ano14w, Ano14x, Ano14y, Ano14z, Ano10z, Ano10-27, Ano10-28, Ano10-29, Ano10-30, Ano10-31, Ano10-32, Ano10-33, Ano10-34, Ano10-35, Ano10-36, Ano10-37, Ano10-38, Ano10-39, Ano10-40, Ano10-41, Ano10-42, Ano10-43, Ano10-44, Ano10-45, Ano10-46, Ano10-47, Ano10-48, Ano10-49, Ano10-50, Ano10-51, Ano10-52, Ano10-53, Ano10-54, Ano10-55, Ano10-56, Ano10-57, Ano10-58, Ano10-59, Ano10-60, Ano10-61, Ano10-62, Ano10-63]. **contents** [Ano10-64, Ano10-65, Ano10-66, Ano10-67, Ano10-68, Ano10-69, Ano10-70, Ano10-71, Ano10-72, Ano11-27, Ano11-28, Ano11-29, Ano11-30, Ano11-31, Ano11-32, Ano11-33, Ano11-34, Ano11-35, Ano11-36, Ano11-37, Ano11-38, Ano11-39, Ano11-40, Ano11-41, Ano11-42, Ano11-43, Ano11-44, Ano11-45, Ano11-46, Ano11-47, Ano11-48, Ano11-49, Ano11-50, Ano11-51, Ano11-52, Ano11-53, Ano11-54, Ano11-55, Ano11-56, Ano11-57, Ano11-58, Ano11-59, Ano11-60, Ano11-61, Ano11-62, Ano11-63, Ano11-64, Ano11-65, Ano11-66, Ano12o, Ano12p, Ano12q, Ano12r, Ano12s, Ano12t, Ano12u, Ano12v, Ano12w, Ano12y, Ano12z, Ano12-27, Ano12-28, Ano12-29, Ano12-30, Ano12-36, Ano12-37, Ano12-38, Ano12-39, Ano12-40, Ano12-41, Ano12-42,

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[BCP13, BHM14, BD14c, STD14]. **converging** [LTL11, Sto13]. **Convex** [VDD+13, BLQ14, DFD14, GLWW14, SJ10, SBO11, hT10b]. **convolution** [BK14a, HW10]. **convolutionary** [ZD10]. **cooling** [ASGW11, MSTL14]. **coordinate** [MTZ14, OK10, YN14]. **coordinates** [AV10, BLA+14, CS14b, CDHM11, FS10b, HE14, JMGN13, KBS14, Mig14, PG11, PPS12, Pir11, QZM+12, SCH13b, VB13, YJK12]. **copolymers** [JHZ10]. **core** [CCD11a, Mit13, UJ12]. **core-annular** [Mit13]. **corner** [MAPP13]. **corners** [BRS10, Bre12a, GHM14]. **correct** [OJ11]. **corrected** [LBM10, LSVW10, OS11b, OJ11, VKL+13, ZS14]. **correction** [BNM14, BD11b, CGMQ14, CSC14, DvW14, DF14, DS10, GW13a, IF10, LCP13, LMZ14, Min13, Par10, SRS10, SHFB12, SR13d, WW13, YWL14, MNR11]. **corrector** [CP13b]. **correlated** [CP13a]. **correlations** [VLM13]. **Corrigendum** [ASS17, CFCA13a, Dav15, MPPP12b, NHT+13, OBNN14, PS15, SYV17, SS14b, TK15, XMDG14, YKWS13a]. **corrosion** [BBCH+12]. **cortical** [AKL+13]. **cosmesis** [GSTB13]. **cost** [GHS13]. **costs** [SSFM12]. **Couette** [BA10, GDW11, VT13]. **Coulomb** [BP13a, CDS13, DCC+13, HT10a, Men12, PG11, RRCD14, RRD+14]. **counting** [WLPG11]. **Coupled** [CES14, CHKT13, AMP14, BMP14, BSSW12, BGGW13, CWL13, CKS14, CP10, CS12b, CNST13, CL14b, CSW14, CH11a, FAY+13, FCG10, GMG12, HVD13, HHK13, HY10, HCM10, KBTD12, KKvZB14, KSR+14, KMHJ10, LFLV14, LZZR10, Min10b, MMH12, MGN10a, NKS10, RM14, SNBN13, SHCY13, SPB+10, TWMM14, WK10, WXY13, WXY14, WX14, WSBG10, Zha14]. **Coupling** [AJRT11, AV10, AP12b, Li10a, MD13, MHA10, WKL+14, BC10a, BLR13a, BK14b, BP10, CL10, DTG+14, DSHP11, EGL+13, EHA14, Her10, KR10, KN14, Kea14, KKC+13, LP13a, LYE10, LDDBR13, MVCFM13, MKB+12, MDM+12, SKCC10, SCC14, SIT+11, UPDB13, YM10, ZKM+11, vTCL+10, ABH+14, YS11b]. **covariance** [GCLS11]. **covariances** [GLS10]. **Covolume** [JTXZ12]. **Covolume-upwind** [JTXZ12]. **CPU** [CCB12, DKH11, Pri14, XDZ+14]. **crack** [SLC+11]. **cracks** [LYE10]. **Crank** [ÇD12b, FF12, WXY13, YXZ13]. **creating** [SJ10]. **criteria** [DFVY14]. **criterion** [WFL10]. **critical** [MMM11, ZCD10]. **Cross** [JNW+14, LH13, LRBT14, MBMV13, MF13]. **Cross-code** [JNW+14]. **cross-diffusion** [LRBT14]. **cross-flow** [MF13]. **cross-section** [MBMV13]. **crossing** [SM12b]. **crossings** [HZ11a, SM12a, SM12b]. **crowdedness** [JJM13]. **crowds** [DH13]. **crystal** [BGGGS11, BHL+13, BSS11, CTSM13, HCD11, LGH10b, YFL+13, ZMQ13]. **crystalline** [STC10b]. **crystals** [CVI+13, HCH+10, KA13, MNF+10, SBS+13]. **CSEM** [BPM13]. **CSF** [Yok13]. **CSLAM** [HLM11, LNU10]. **CTU** [MT10]. **cubed** [BNT14, HLM11, IDNG13, LNU10, YC11]. **cubed-sphere** [BNT14, IDNG13, LNU10, YC11]. **cubic** [Del14, PLN11, Vai11, ZCD10]. **CUDA** [Pri14, HJBB14, JLS+14]. **current** [BBF12, BM13a, Del13, JC10, KHRD11, SCB10]. **current-based** [SCB10].

current-dependent [Del13]. **currents** [BS14a]. **curvature** [ELM14, FS10a, Gür14, IKO+14, LRS10, LH10d, OLC13, TVEC12, WJCG13]. **curvatures** [FLM12]. **curve** [Par12b, ZWJW10]. **curve-like** [Par12b]. **curved** [BWC11, BWC13, CDLL12, CKR14, Gen13, MBR11, NZ14, UGF14, VM10, VQVD11, Zha10b]. **curves** [Bre12a, MWP14]. **Curvilinear** [PDSS10, AV10, DKR14, FS10b, HE14, JRG13, NTV14, Pir11, SML13, TGRL13, YN14, YJK12, Zie11]. **CUSP** [SZH12]. **cut** [DWZ10, SHMS13, SD14c]. **cut-cell** [DWZ10, SHMS13, SD14c]. **cutoff** [LHV13]. **CWENO** [HAH14]. **cycle** [KWHD12, MNKS13, WHB14]. **cycles** [WIJ13]. **cyclic** [HPLS10]. **cylinders** [Lee12b, SSS10, STC10a]. **Cylindrical** [KBS14, MK13, BLA+14, BdCB11, BY11, CS10, CS14b, DC13, GDGP11, JWV12, JNW+14, KSB12, LHY12, LE12, Mig14, PG11, PPS12, RSK13, SSB13]. **cylindrically** [MTD14].

D [CGF+13, Del11, DCL11, HLYS11, JM10, MMM11, MVCFM13, YCY11, ZOWZ10, ZJS15, KKS13, SYE10, AST13, ABMT14, AW14, AH10b, BGR11, BLM+14, BWC11, BS14a, BBAP14, BGHM13, BCL13, BCL14, BLJ11, BD14b, BSS11, BHM14, BLY10, Cha14, CP14, CCW12, CL11a, CC12, CS14c, CLAL14, CH14, DDL13, DK14, DFD14, FBM14, FNGV14, FW12, FCG10, FGLB14, GW13b, Ge10, GC11, GCZ13, GM10a, GHM14, GD10, GL12a, GLC+11, GKS+11, HPA14a, HBM13, HRT11, HLW13, HvB11, Hu13, JMGN13, KL12a, KVM12, KBS14, LH10a, LP13a, LVFK14, LTSH10, LT12, LEH12, LLP14, LMBB11, LS13d, LDA10, LL10b, LZZR10, MAPP13, MMR12, MDTC13, MBMV13, MVCFM13, MZB12, MMT14, MF13, MHGNM12, MHHGN14, MV13, MBGW13, MT14b, MLGN12, MGN14b, Nic10, NJ12, Ols12, PPS12, PWB+14, PBdGP14]. **D** [RCQL11, RKGM14, SKN13a, SY12a, SY14a, SCGE13, SF14, SCC14, SCH13b, SM12c, SAA14, TGT+10, TQW14, TDL+14, TRSMM+13, TR14, TGGT13, UJ11, UWB12, WYYK10, WR11, WG11, Xu11, Zha10a, ZYF+10, ZMD+11, vTCL+10]. **D-lattice** [BBAP14]. **D-TLM** [TRSMM+13]. **D-Var** [CS14c]. **D/** [MVCFM13]. **DAE** [MM12]. **Damage** [AJV11]. **damped** [MBMV13, MNS13]. **damping** [BK12a, DGAH10]. **Darcy** [DFVY14, EZ10, HPV13, KR10, LLMY14, NJ12, SW10, WX14]. **Darcy-flux** [EZ10]. **dark** [BTX13]. **Data** [AC11, BND+12, QA11, RSFS13, AR14, BERB+12, BGG12, CS14c, CF11c, GLS10, GCLS11, GHM13, HHA14, HMM+10, HVT12, IK11, JLY10, JSX10, KS11a, Kaz10, KMSS10, NMX12, SS10a, Vai11, WMI10, WY11]. **data-flow** [BERB+12]. **Data-free** [BND+12]. **datasets** [AA13, HdCNT12]. **Davidson** [And13, HWHW10, Zho10]. **DDM** [DL10b, LD14]. **DDR** [JS13a]. **Deborah** [Kwo14]. **debris** [MGN12b]. **Debye** [NZ14]. **decay** [MS14b]. **decomposed** [SSFM12]. **decomposition** [AST13, AS12, AETT11, APY14, BPM13, BAG12, CBKK12, DLNN12, DMR14, DEKBF14, DAA11, ETW10, GPCE13, GCE14, GK10, Gri12b, GD13, HdCNT12, JC13, JWYH10, LTSH10, LTT10, LDE+13, PL10, PRL10,

RHB12, RHGT10, RSFS13, SYL12, SSB+12, SCH13b, SKN13b, Sto13, Stu10, SS14c, VHG13, WABI11, WC14b, Xie14a, YCLK12]. **decomposition-based** [JWYH10]. **deconvolution** [KRF12]. **Decoupled** [OD12]. **decoupling** [NDV+11]. **Defect** [BNM14, Coa12]. **defects** [Del14]. **deferred** [CGMQ14]. **defined** [GM10b, Sza12, YW13, YHM12]. **definite** [GM12a, RMSF11]. **definition** [MCLG10]. **deflated** [MMM13]. **deflation** [Vol14]. **deformable** [KF13a, MGN14a, SL13b, WKL+14, XHF13]. **deformation** [BWS10, LT10a, LCB12, RA10a, ZL13]. **deformational** [NL10]. **deformations** [BBD11, LMQ+11, NW10, TDL+14]. **deformed** [XZWW12]. **Deforming** [BHS12, SYV17, AINF13, ANIF14, BBGP13, GCvRK11, LMZ14, MN11, RC12, SYV14]. **Degasperis** [YS13]. **degenerate** [CGC13, TSR13]. **degree** [KL11a]. **DEIM** [SN13b, XFB+14]. **delivery** [RUL+13]. **Delta** [ZT10a]. **DEM-SPH** [SSY13]. **demagnetizing** [GHDS10]. **DEMOCRITUS** [Lap11]. **dendrite** [GMG12, GMXG14]. **dendrites** [KBTD12]. **dendritic** [BGN10, RR14]. **dense** [CM14, GLLP14, JNW+14, VP14]. **Density** [LE12, AHS14, AGSG11, AF13, ABPSM11, BGK12, BW14, BBF12, CCKCG10, DS12, FGR12, GW14, Gil13, GW10, GK14, GLL14, ITO+10, JYHT10, JFC+13, KSS14, KG13a, KL12b, LP13b, LRT13, LMGS13, LLYE12a, LLYE12b, LSE13, LHB10, Mor10, MIKG12, MNL+13, MLGN12, Par10, SL13a, SD14b, SHM12, SBO11, SP14b, TBNT11, VK12, Yok13, Yok14, ZWL10, dv23, vydCNS+10, Fat10]. **density-driven** [KL12b]. **density-scaled** [Yok13, Yok14]. **dependencies** [RE13]. **dependent** [AME14, BN12, Brü13, CdCNH14, CEK14, CHZ13b, CHZ13a, Del13, DTU12, Dur14, FGLB14, FWP13, FWLP14, Gen11, GvdSVK10, Gho17, GH12a, GS11b, HPA14b, HBM13, HBAP10, LFK11, LTL+14, LSW14, MM10, OLFS13, RA10b, SG10b, SD14a, SLGB12, SSR14, SW13, Tal13, WD13a, WC11, ZD10]. **deposition** [KHRD11, Zoh13, vDS12]. **depth** [BH13a]. **derefinement** [BLOdV14]. **Derivation** [CHZ13a, SVS11, OLFS13]. **derivative** [CNR11, ÇD12b, CJLC11, DBZ14, hGzSwZ14, JR12, Kol11, Par12b, Pir10, SW11, SAM10, SBS11, WXY13, YMS12]. **derivative-free** [SAM10]. **derivatives** [BCL13, CTJT13, Gon12, HLY12, KSS14, Kaz10, LA10, Mar10a, Mat14, MW14b, ZY13]. **derive** [KBRM12]. **deriving** [LGE+13]. **descent** [SBT14, WJC13]. **describing** [ÁCB12]. **description** [Jar12, MGN12b]. **Descriptors** [KIG11]. **design** [ASGW11, BF13, DRB14, EAN11, HM13, KJC13, LA10, LGC13, SRN13, WFL10, YDN10, ZLL10]. **designed** [OK10]. **detailed** [ZDSP11]. **Detecting** [Ran12a, DEH11, KL14b, Ran12b]. **Detection** [CDL11, GBC11, KS11a, LLSW14, MCLG10, SM12a, VR14]. **deteriorating** [PT12]. **determination** [PBC+11a, XMS12, YLW10]. **Determining** [KWJR14, KJWR14]. **Deterministic** [AJ14, WWS+13a, AC13, BDL11, BM14, Dav10, Dav15, GLC+11]. **detonation** [JLY10]. **detonations** [WZSN12]. **developed** [SNS10]. **Developing** [LHY12, LS10b]. **Development** [FMT11b, HMOH11, KIF+14, SSC13, SML13, SLH+11, GHS13, SCY11].

developments [CMO14]. **device** [JLC14, LS10a, MJ14, SO13, SRN13]. **devices** [BS14a, CBKK12, CW10, CGR11, PAG11, TK14]. **devising** [EEK14]. **DFLUX** [GMC13]. **DG** [CLQX13, CKR14, HLY11, JC10, JXD14, RGK12, YK12, ZWL+12a, ZWL+12b, ZQ11, vDS12]. **DG/FV** [ZWL+12a, ZWL+12b]. **DGFEM** [BD10a]. **DGM** [FH11]. **DGSEM** [WK14]. **Diagonal** [Mat14, MAC14]. **Diagonal-norm** [Mat14, MAC14]. **diagonalisable** [BLTO11]. **diagonalization** [BHK+10, CBPS13, ZCS14]. **diagonally** [NMCZ14]. **diagonally-implicit** [NMCZ14]. **diatomic** [LYXZ14]. **diblock** [JHZ10]. **Dichotomy** [FT11]. **dielectric** [CPJ11, LTC14, PVDW14, TK14, YD11]. **dielectric/electrolyte** [LTC14]. **dielectrics** [BWC11, Liu11a, WBC13]. **dielectrophoresis** [HDD14]. **Difference** [BMS12, MOSW12, SYV17, AINF13, ANIF14, AV10, AN13, BDMP13, BHL+13, BN13, BN14a, BSS14, Boe11, BHM14, BHY14, CCW12, CH10, CRT14, CWZ+11, CGP10, CR13, CVI+13, CR14, DEH11, DMT+11, DMM+13, DB13, DA14, DV14, EO11, EAN11, FH11, FCYF11, FCN+13, FC13, FL11b, FO11, FSL10, hGzS11, hGzSnZ12, GYL12, Gao13, hGzS13, Ge10, GMA10, GM10b, GHM12, Gri13, GZZ14, GQ13, HPA14a, HPA14b, HE14, Hic12, HZ14, HPOM10, HJK14, HY10, JM10, Kim13, Kol11, LT12, LX14, LCP13, LMS11, LMBB11, LMS14, LC14, LS13d, LW14, LBS10, Mat14, MTT13, MTB10, Mor10, MK14b, OBT11, Par13, PGLT10, PNPF10, Pri14, QS11a, RzSZ13, SRSV11, SBS11, SQC11, SZ11, SYV14, Son11, SC12, SIT+11, SRL+11, sSLxRyZ14, TH14a, TY11a, Tsu10, Tyl14, VW14b, WWS10, WW11, WSYS12, WXY13, WD13a]. **difference** [WGX13, WV14, WD14, WXY14, WP10, WAM14, XQX13, XQXC14, YS13, YWL14, ZS12, ZY13, nZzSlL14, ZW10b, vEKdB14]. **differenced** [LKM13]. **differences** [BN12, BdCB11, BFE12, FLB+12, MW14b, UKP14]. **differencing** [HH12a, MOV12, NMT+12, TK12, TK15]. **different** [BBC+13, CBGK13, Far11, KSS14, LQ10b, RBS12, SMP+13, SHFB12, SC10, XH13]. **Differential** [CBW10, PZ14, dCRCS10, AP12a, AB13, ARR11, BBM14, BJ12, CCLS10, CX13, CK11, CHZ13b, CHZ13a, DAEB13, DA14, Dri10, FVR13, Gno14, GM14a, Gri10, Har11, JTXZ12, Kat14, Ler14, LLZ11, LCY11, LS13c, LM13, MZ10, MDTC11, MDTC13, MGN10b, NP12, Pir12, RH13, RHB12, Ton14, TS14, WZ13, WW14, WH11, XH14, YMS12, YXZ13, YK13]. **differential-algebraic** [CK11]. **differentially** [CLS10, ZKZ10]. **differentiation** [hGzSwZ14, VS11]. **diffraction** [BL13, DB12]. **Diffuse** [AELV14, FG12, MZ14, ZCD10, Ala14, DjY14, GK14, GGT13, Min13, TSLV11, TFP13, DK14]. **Diffuse-interface** [ZCD10, GK14, Min13, TSLV11]. **diffusing** [SBA13]. **Diffusion** [ERT10, JS13a, KLB+14, Mar10b, AV13, AH10a, AT13a, APY14, Atz10, BHM11, BHM13, BLM+14, BH13b, BCK11, BBAP14, BS10a, BKC+11, BHY14, BTY14, CYK+14, ÇD12b, CGC13, CY12, Cha14, CL14b, CGP10, CM10, Cui12, DTU12, DBO+10, DKW10, DSHP11, EMK11, EMSH14, FAY+13, FHL10, FF12, FCY13, FWLP14, hGzS11, hGzSnZ12, hGzS13, GW13b, GC11, GM14a, HPS13, HL11, HLDP14, HY10, HW14b, HCM10, JC13, JZ13, JN12, KKAS12, LN10a, LK14, LS13b,

LP12b, LH10c, LXL13, LRBT14, LYJ14, LXSR12, LSV10, LRN13, LM14a, LCWN12, LHMZ10, LHV13, MB12, MKGV12, MHA10, MSS+14, MN12, Mie13, MAD13, MT14a, MY13, NMV13, NGV14, NMZC13, NLGL14, Nis10, Nis14a, Nis14b, Ols11, OMA14, PBC+11a, PS12, PHRG13, PMS11, PBB14, PvDGvM11, PWB+14, PH13, RSS12, RzSZ13, RF14b, RCCC14]. **diffusion** [RBK13, Sch13a, SR13a, SB14, SH11, SY11a, SY12b, SVS11, She13, SHA11, SHA12, Sou14, SAA14, TCW+10, TR14, VDP11, VDD+13, VWF13, VBSK10, Vre11, WWS10, WW11, WD13a, WD13b, WV14, WD14, WCVJ13, WDGY10, WGD12, WG14, YZX14, YN10, YN14, ZFH14, nZzS11, ZZS13, nZzSlL14, ZzS11, ZOL+11, ZT10b, ZQ11, vEKdB14]. **diffusion-advection-reaction** [AV13]. **diffusion-based** [LXSR12]. **Diffusion-controlled** [KLB+14, NMV13]. **diffusion-reaction** [DBO+10, LHMZ10, PBB14]. **diffusion-wave** [BHY14, LXL13, WV14]. **Diffusional** [DCVM11, ZM10]. **diffusive** [AS12, BCD14, FF13, KL10b, KHHK12, MSTL13, NMCZ14, PAM10, RGK12, SAA14, ZKM+11]. **diffusivity** [BR14, KSL10, KHGW13]. **dihedral** [Gon12]. **dilute** [LWF11]. **Dimension** [TPF11, EEK14, GPS10, MK14a, MMA13, NF12]. **Dimensional** [BNNW11, AH13a, Ald10, AK12, AN14, ADMA13, And13, ASK+13, AKMD14, BDL11, Bal12b, BD14a, BG10, BILM14, BLM11, BYCC14, BCM+11, BRS10, BBPC14, BHY14, BL13, BD14c, BLR14, BTY14, CWS13, Cap11, CBKK12, CNR10, CTG12, CRS14, CM14, CZ11a, CCB12, CS10, CS14b, CCY13, CCLV10, CLS13, CGC+12, CTSM13, Cui12, DYYA14, DDF14, DB12, DKW10, Du11b, Fal13, FQV13, GMB10, GG10, Ger12, GMC13, GCFJ13, Gra14, GIQ11, GH12b, HdCNT12, Hen13, HKL14, HCH+10, HCS12, IST+12, IDNG13, JAX11, JLZ13, JGZL14, KS11a, KKL10, KSU13, Kau10, KK10b, KG12a, KLP10, KLPS14, KL11b, LP12a, Le 14b, Lee13, LJX+14, LRLL11, LR12, LX13a, LXL13, LW13a, LLZ14, LRN13, LRK11, LW13b, LP11, LT11c, MZ10, MB12, MAB+13, MNF+10, MPT13, MGN10a, MGN11, Nor14, OD14, PB11, PYK10, PE10, QB14, RARO13]. **dimensional** [RVB10, RB10, RS13b, RW13, SCIE14, SHZ13, SYJ11, SSR14, SS14a, SMS14, Stu10, SWR11, SSY13, Tak14, TAI11, TA13, TP14, Val14, VMA14, VW14b, WCM+14, Wan13a, WW11, WZ11, WZSN12, WD13a, WZN14, WD14, WLW14, WC11, WS14, WS10c, WS11, WC14b, WT14, XHF13, XJ14, YHT11, YT12, YZX14, Yin14, ZFH14, nZzS11, ZWL+12a, ZWL+12b, CDL11]. **dimensions** [BK14a, BR12a, CCG11, FK10, GH11a, GHS12, GL12b, GHL14, GD13, HR10, HWST12, JZ11, JRTY11, Le 14a, LB12, MB11, MSS12, MGN12a, RNT12, TDU14, TTD11, UGkM13, VRBZ11, WGX13, Wol12]. **dimer** [ZD12]. **diminishing** [KHHK12]. **diode** [MJK13]. **diodes** [JCT11]. **dipolar** [BCW10, JCC14, LZZC14]. **dipole** [ZLL10]. **dipoles** [MTD14]. **Dirac** [ASS17, ASS13, Alm14, AME14, BHM14, FGLB14, HPA14a, HPA14b, LSE13, XST13]. **Direct** [CDT13, KSP13, NVS13, OP10, TRL14, ZN14b, BHB11, BVM14, BLTO11, BD14b, Bre12a, CLS10, CGF+13, DD12, DGAH10, EHA14, GCA13, GG14,

GB13, GHL14, GHM13, GH10, HT12, JNSA12, JMW12, KM13, KF12, KGK13, LFL11, Mar13, MMSI13, PPWZ11, SBB13, SY12a, SYJ11, SC11, SSK+12, VRB10, WWS10, WYT14, YHT11, YT12, YS12a, YHL13, dPSS12].
direct-coupling [EHA14]. **direct-forcing** [JMW12, VRB10]. **direction** [BLTO11, Cui12, LX13a, LXL13, WW11, WD14, nZzS11]. **Directional** [MF12, OL13, MSD12, TY11b, JS13a]. **directions** [CK10, PMSM12]. **Directly** [LR13, CW14b, YO11]. **Dirichlet** [AV10, Deg11, FN14, FN10, JRTY11, LL12b, MLBS14, Ost10]. **Dirichlet-to-Neumann** [AV10]. **dis** [GAvdVB14]. **discharge** [DBM+12, KED+12, LA10]. **discharges** [LEH10, LEH12, LE12]. **discontinuities** [BH13b, BD12, HCP10, JAX11, Joh11, WI13b, YKWS13a, YKWS13b]. **discontinuity** [VR14]. **Discontinuous** [BSCML13, BR12b, Cha13, GP12b, LI14, MMIW14, MK11, PDZ+14, SH14, TR14, YWS13, AJRT11, AJ14, AWK+11, AAT+14, AT13b, APRS14, BNT14, BGR11, BBC+12, BR11, BGHM13, BD11b, CJLC11, CZ11a, CAH14, CLX14, CCZ14a, CCZ14b, CW14b, CSX14, CCY13, CDB13, CCG11, CdCD12, DFFL10, DHH11, DL10a, DZL13, DKA12, DZLD14, DV14, FPN+13, FT12, FH11, FMT11a, FP12, FP14, GDHM11, GAW+14, GLL+11, GZQ13, GXX14, HGMM12, Hig13, HvB11, JNX13, JZ11, KG12a, KKO13, Kol11, KG14, KRT14, Kuz14, LH10a, LXM14, LT11a, LP12b, LXY11, LX12, LH14a, LZZC14, LLP14, LSW14, LLYE12a, LLH10, LP14b, LLN+10, LXL+12, LXS+13, MRS14a, MHA10, MN11, MESV10, MMD+11, ML11b, MBGW13, MGN13, NPC11b, NPC11a, NPC11c, NP12, NvdVB13, OK14, OHF12, OS11a, OD13, Per13, QS11b, RHXQ14, RGMC13]. **discontinuous** [RC12, RCvdV13, RS11, SHR13, SSHT14, SGC13, SHCY13, SLT+14, SBvdV11, SSL13, SD14c, TE11, TD11b, TD12b, TBR13, VMA14, VR14, WXZ10, WS10b, WZSN12, WK13a, WJTY10, WSW13, WSBG10, XXS10, XZWW12, Xin14, XLD+11, XCL14, YP13, YO11, YMLM+14, YHL13, YWL14, ZS10b, ZS11, ZZS13, ZT13b, ZYS14, ZS13, ZZSQ13, ZMD+11, vdVR12a, vdVR12b, FW12, MOSW12, NDBG14, WKH10]. **discontinuous-Galerkin** [AWK+11]. **Discontinuous-Galerkin-** [MOSW12]. **discontinuous/continuous** [DKA12]. **discovery** [BCM12, KKPV12]. **discrepancy** [LMM14]. **Discrete** [GAV13, KST13, AS14, ACB+13, BCHM14, BPS14, BSCML13, BWMG14, BBM14, BM14, CFW+13, CT10, CST10, GB14, GH11a, GD10, GL12a, GLC+11, GXX14, GLL14, JWNL11, KPH13, KH11, LMFH11, Ler13, Ler14, LTSH10, MJ14, MRS14b, MM11, MVG11, SKW14, ST11a, SV10, TAAS13, TDL10, iT14, WZ11, YMS10, YMS12, ZYHW13, Zie11, SBN12]. **discrete-fracture** [ZYHW13]. **Discretely** [FCN+13]. **Discretisation** [PAM10, CYK+14, CVC12, SS10e]. **discretisations** [BLTO11, TA12, VSK10]. **Discretization** [Dav10, Dav15, KD10, SRS10, BdCB11, BSB14, BR10b, BMR14, CZ11a, Den11b, DHH11, DLM13c, EQYF13, FD11, Ge10, GG14, GHM14, LE13,

LRN13, MMR12, MIJ10, MTG11, MG14b, Nor13, PRH+14, PGR10, PvDtTB+11, PMSM12, PJCS14, RF14a, SH14, SG14, SBT13, SSL13, SDH12, TD12a, TLO+14, VW14a, VMA14, VKBK11, WAM14, YHM12].
Discretizations [SYV17, AB12, AJ14, AMP14, BBC+12, BN13, BN14a, BRP14, BSV14, Gas11, GDHM11, JN12, MN11, SVK14, SYV14, SD14c, TD12b, WABI11, vdVR12a, vdVR12b, vV12]. **discretize** [TGO13].
discretized [Han11, LTC10, LTSH10, Mar13, NDBG14]. **disjoint** [Kim13].
disk [BY11, ZL13]. **disks** [YTYJ12]. **dislocation** [FTF14]. **dispersal** [LY14].
disperse [GJLY13]. **Dispersion** [KWJR14, TCL11, BSS14, CWS13, CD13b, CCW12, DBHBB13, GB14, GJ11, Gür14, HPA14a, Hig13, JW11, LS13d, MPS+14, MMP11, NYM13, RSD10, SRL+11, sSLxRyZ14, WA12, XS11].
dispersion-relation-based [LS13d]. **Dispersive** [Ain14, BRS11, BCL+11, DKM11, HLY11, NZ14, OJ11, PDZ+14, SB14, WXZ10]. **dispersively** [YS13].
displacement [BCG+13, MMH12, ZL13]. **displacements** [ES13a].
dissection [SY14a]. **dissimilar** [WQCS13]. **dissipation** [BJLR14, CGM+12, DBHBB13, GJ11, HAD10, HJK14, HK11, JXD14, KKP10, LFL11, LGC13, NYM13, Rie10, SRL+11, sSLxRyZ14, TiI11, XS11, XW14, ZGSZ10].
dissipation-rate [JXD14]. **dissipative**
[FR13, GPY14, LH10a, LTL+14, LSW14, LEHA10, MGLS12, Pir11, RPV13, SCY11, VW14a, WYS+11, WLL13, LFK11, MDPTK13, PAG11].
dissolution [YL10]. **distance** [ERT10, RS13a, WYS12a, ZT10a]. **distances** [SC12]. **Distinguishing** [OJ11]. **distorted** [WDGY10]. **distributed**
[FB11, GSTB13, Kat14]. **Distribution** [MGJZ10, ALR11, BND+12, CZL10, Cou11, HLT10b, JC10, LSK11, RA10b, SHR13, VQRD11, VQVD11, YSW14].
distributions [JW12]. **disturbance** [RZ10]. **disturbances** [VMS12].
Divergence
[Kaw13, Nis12, AHA10b, BK12b, EH13, GW13a, GCvRK11, KAA12, KG13c, Li10b, LXY11, LX12, McD14b, NCV10, TS12, TP12, YVL+11, YB14].
divergence-conforming [EH13]. **divergence-free**
[KG13c, Li10b, LXY11, LX12, NCV10, YB14]. **Divergence-free-preserving** [Kaw13]. **divergent** [RH13]. **divertor** [DRB14]. **divide** [BRP14]. **DNA** [KLB+14]. **DNS** [SSHM10, SRL+11, VdMS+14, YYB12]. **Do** [MW14b].
does [Den11a]. **Domain**
[BPM13, ILM+13, OK10, SKN13b, AWK+11, AS12, AF13, APY14, BHB11, BILM14, BCB12, BAG12, BHY14, BL11, CES14, CBKK12, CW14a, CL11a, CWZ+11, CVI+13, DYYA14, DDF14, DMR14, DFFL10, DL10a, DZL13, DBHBB13, GB14, GLLP14, hGzSnZ12, hGzS13, GVH14, GP12b, GK10, GT11, HS13a, HR10, HBZL14, HJK14, HDD12, JC13, KKS13, LMLC12, LB12, LCNK10, LHY12, LTT10, LS13d, MBLM10, MN14, NZ14, NB14, PL10, PRL10, RVB10, RHB12, RHGT10, SBWF14, SABH11, SY11b, SF12, SSB+12, SCH13b, SSFM12, SFWP10, Soa13, Sto13, Stu10, SS14c, TH14a, TD12a, VHG13, WJC13, WC14b, XMDG13, XMDG14, XH14, YD11].
domains [AJRT11, AAI10, AB11, AEM13, AT13b, AM11, BLQ14, BvBZ+10, BUH11, BKC+11, BR10b, BRS10, BL10, CCFCM11, CS13, CGS13, CR13,

DKC14, DRZ14, Era13, FC13, GPY14, GM12b, GHM14, HG11, HWST12, JPC+14, JKR14, JK11, KTT12, KF13a, KTT13, LP12a, LK14, LMZ14, LN10c, LB10, MKCB14, NS14b, PHSA14, PZ10, RC12, SJK11, SR11, TDVG13, WS14, Yin14, Zen11, ZWH+12]. **dominated** [BD11b, KWSJ11, LFRM10, TLG10, vdVR12a, vdVR12b]. **doping** [CW10, CGR11]. **Dory** [VCS14]. **dot** [HWHW10]. **dots** [PBB14]. **Double** [EZ10, VG14, CBGK13, KHHK12, HGRB14]. **double-diffusive** [KHHK12]. **Double-families** [EZ10]. **doubly** [BS10a, CH14]. **doubly-periodic** [CH14]. **DPD** [MDPTK13, PPTMDK13]. **drag** [Min10b, SL13b]. **drift** [BH13b, MSS+14, PMS11]. **drift-diffusion-Poisson** [BH13b]. **driven** [AF11, CLAL14, EMS11, GCFJ13, KWSJ11, KFOS14, KL12b, LS13a, LL12a, MWRZ13, RTS13, SGC13]. **drop** [BB13, DL10c, LL10a, YFL+13]. **Droplet** [JW12, KBB13, LZ10, SL13b, Yok13]. **droplet-laden** [KBB13]. **droplets** [RWMG11, Zoh13]. **drops** [CL13]. **Drude** [HZS12, LBZ+10]. **drug** [RUL+13]. **drum** [ZWL10]. **dry** [DLM13b, LL10a, MHHGN14, MBGW13, YMLM+14]. **drying** [CTP13]. **DSMC** [GWK10, Mac10, PMF13, SGV13, SG13, Sza12]. **DSMC/Navier** [SGV13]. **DSMC/NEMD** [GWK10]. **DT** [Nor14]. **Dual** [HZ14, BLRR11, BN13, BN14a, DjY14, KHGW13, PRH+14, XJ12, XJ14]. **dual-mesh** [XJ12]. **dual-primal** [XJ14]. **dual-resolution** [DjY14]. **Duality** [BN14a]. **duct** [HY09, HY10, HY11, LT12]. **due** [BR14, CWL10, HH13, Mit13]. **during** [CRS14, IBO14, JNW+14]. **dust** [Min10b]. **Dynamic** [PWB+14, RVB10, RXLS14, CTSM13, Dad12, DDM10, Don10, GIQ11, HLZ14, JTH10, LDS11, SC10, SS13b, SS14b, Wit13, BM13b]. **dynamical** [APC11, CTG12, Chi12, GLM14, NT14, SP13, UJ12, Wan13b, YL14a, YL14b]. **dynamically** [CHZ13b, CHZ13a, CSK14, MN11, MMD+11, RWX11, ULS13, YJK12, CSK13]. **Dynamically-Orthogonal** [CSK13]. **Dynamics** [MDPTK13, STL+10, Abr10, AHA10a, AAI10, AGBC14, ARF12, AEM13, AM10, ACB+13, BCW10, BD11a, BB12a, BHS14c, BLJ11, BDLGC13, CCT11, CP12, CD12a, CFCA13a, CFCA13b, CWC11, Chi12, Dav10, Dav15, DXB+13, DKR14, DLM+13a, Don11, Fal13, FBM14, FTF14, GPY14, GCLS11, GW11, GL13, HKL14, HCS+10, iIT14, JZ11, JFC+13, KH11, KL10a, KIF+14, Kol11, KMHJ10, KSB14, KMSS10, KAG14, LSM14, LB13, LKLG14, LJX+14, LSK11, LYE10, LJ13a, LTL+14, LEHA10, LZ10, MCJ14, MK14a, ML14a, MB13b, MTZ14, NIN+14, NNS11, ORHH13, OLC13, PTM13, PL12, PZ10, RTS13, RPV13, RTKS10, SB14, SSC13, SSB+12, SSW13, SKW14, STC10b, TQW14, VMA14, Wan11b, WLL13, WZT+14, WYT14, ZD11a, ZD12, ZYF+10, ZKM+11, dPSS12, LFK11, PAG11]. **dynamics-based** [LJ13a]. **dynamo** [LLJ10].

E-CUSP [SZH12]. **Eady** [BCW13]. **Earth** [ASXZ14, RKGM14, TRSMM+13]. **EAST** [KYP+14]. **easy**

[SdAW14, Yao14]. **easy-to-implement** [SdAW14]. **Eca** [EH15, XS15]. **Eccentered** [PMM+11]. **eccentric** [GDW11]. **Eddy** [CP13a, ADSF13, BGGW13, BA10, BM13a, DV13b, GW10, HA11, KSL10, KSB12, LFL11, MS14a, McD14b, OL13, OAK11, PGLT10, dlLPC10, dlLPCP12, RG13, SZ10, SFCF10, Ste14, TRL14, TGO13, VKBK11, WDP+14, Den11a, MDH+10]. **eddy-** [TGO13]. **EDG** [BR12b]. **edge** [AAG14, AST12, BD13, CXZ10, Cou11, GIQ11, ICC+10, KBSV14, LHY13, Soa13, SS10e, TGT+10]. **edge-based** [Soa13, SS10e]. **edged** [HWW10]. **Editor** [HAD10]. **Editorial** [Ano12f, Ano12g, Ano12h, Ano10b, Ano10c, Ano10d, Ano10e, Ano10f, Ano10g, Ano10h, Ano10i, Ano10j, Ano10k, Ano10l, Ano10m, Ano10n, Ano10o, Ano10p, Ano10q, Ano10r, Ano10s, Ano10t, Ano10u, Ano10v, Ano10w, Ano10x, Ano10y, Ano11c, Ano11d, Ano11e, Ano11f, Ano11g, Ano11h, Ano11i, Ano11j, Ano11k, Ano11l, Ano11m, Ano11n, Ano11o, Ano11p, Ano11q, Ano11r, Ano11s, Ano11t, Ano11u, Ano11v, Ano11w, Ano11x, Ano11y, Ano11z, Ano12b, Ano12c, Ano12d, Ano12e, Ano12i, Ano12j, Ano12k, Ano12l, Ano12m, Ano12n, Ano13i, Ano13j, Ano13k, Ano13l, Ano14-34]. **EDQNM** [MS14b]. **EEM** [KIF+14]. **Effect** [JC10, FGE11, JR14, KH13, SSR+13, TAI11, WJCG13, YHL13]. **Effective** [CFCA13a, CFCA13b, BdCB11, CR14, Hel11a, Hel11b, JLZ13, KWJR14, KJWR14, LKP14]. **Effects** [Coo13, GLL+11, Lee12a, SB14, BB12a, BPHK13, DDM10, Gen11, Gho17, JWNL11, KS11b, LJG14]. **efficiencies** [LCP13]. **efficiency** [ASB10, CM13, GKG+13, LTC14, PZW14, QL12, SEBG12, YWL14]. **Efficient** [ADT14, ABK12, ABK13, BMD+13, BCW10, BCZ13, BLRR11, BF12, BR10b, CNSFD13, CS12b, CHHL11, DHH11, FNGV14, GM12a, GRT12, GKS+11, GD13, Ham10, KL11b, LdWF12, LSE13, LFRM10, LL14b, MOV12, Men12, MY13, Nic11, NDB12, PGR10, PMSM12, Ran11, RS13b, RS14b, SR13a, TWSN12, TCW+10, WWS13b, dPSS12, ARR13, AD14, ABH+14, BHL+13, BBAP14, BK12b, BZKL13, BSCML13, CY12, CCB12, DL13a, DL13b, Don14a, DL10b, DEKBF14, FL13, FP14, GW14, GMT10, GL13, GHM14, GRS14, GJ14b, GXX14, HAMA14, HNS12, HLZ13, Kri10, Lee13, LLX11b, LMZ14, LD14, LH14b, LCWN12, LFW11, MJ13a, MF10, MTZ14, MJ13b, MMH12, NDV+11, Nor14, NT14, OTV13, RA10a, RS14a, RWMG11, SBN12, SS11, SJB11, SLT+14, STH11, SR11, Shu14, SSR14, SS13c, TY11a, TLZ+11, Wan11b, WT12a, WD13a]. **efficient** [WG11, WJC13, YL11, YS12a, vHtTBC11]. **efficiently** [VSK10]. **Eigen** [GZQ13, ZK13, ZD11b]. **eigen-based** [ZD11b]. **eigen-problems** [ZK13]. **Eigen-structure** [GZQ13]. **eigenfunctions** [Hua14]. **eigenmodes** [HP13]. **Eigensolutions** [RSK13]. **eigensolver** [BWC13, JMKK12]. **eigenspectra** [EEK14]. **eigenvalue** [Alm14, BDLGC13, CBPS13, CFW+13, CXZ10, CHHL11, GLSC12, GBB+13, HAMA14, HCH+10, Hua14, HWHW10, LLJ10, MBR11, MRS14b, Ren11, SKCC10, WPK14, Xie14b, fZlC11, Zho10]. **eigenvalues** [And10, And13, JS13b, Ost10]. **eigenvectors** [And10]. **eight** [And13]. **eikonal** [DGM13, Luo13]. **Einstein**

[AD14, BCW10, BCZ13, CCW11, CCC12, DH10, FT12, JCC14, LZZC14, MTZ14, ST13, Wan11b, Wan14, WC14a]. **Eisenbud** [RSK13]. **elastic** [BHS14a, Ber14, BBGP13, BLR14, DKR14, DCVM11, DV14, EL11, FT11, FG12, Ham10, HPOM10, HCS12, JXD14, KK14, Kwo14, Le 14a, MAB+13, ML14a, OLC13, OLPM14, SG12a, SG12b, SCH13b, SM12c, TLZ+11, Vol14, WSBG10]. **elastic-acoustic** [WSBG10]. **elastic-plastic** [DKR14, FG12, HPOM10, MAB+13, OLPM14]. **elasticity** [ABHS12, BD10b, LSZ13, NPV14, TDVG13, ZWH+12]. **elasto** [SSB13]. **elasto-plastic** [SSB13]. **elastodynamic** [CB14, Hut14]. **elastodynamics** [FN14, Ide12, KN14, NPC11a]. **Elastoplast** [BR12b]. **elastoplastic** [SNBN13]. **elastoplastic-solids** [SNBN13]. **Electric** [KYP+14, BLM11, Cam13, EAG14, FHMS11, KED+12, OBTC+13, SCB10]. **electrical** [ABK12, ABK13, GJ14a, LHH14]. **electrocardiographic** [WKMJ13]. **electrochemical** [BP10, EBGW13, TCW+10]. **electrode** [LHH14]. **electrodiffusion** [LGP10]. **electrodynamic** [YS12b]. **electrohydrodynamic** [LHPH11, RDHK12, VDD10a]. **electrohydrodynamics** [BBGP14]. **electrokinetic** [BDH13, LBK10, WK10]. **electrolocation** [BBGP14]. **electrolyte** [LTC14]. **electrolytes** [BDH13, Liu13]. **electromagnetic** [AWK+11, BWC13, BLM11, CNR11, Du11a, Du11b, DSZ13, Fuj11, GHS12, HNS12, LTC13, Le 14b, Li10a, LHY12, LHY13, LLSW14, Mar10a, MTD14, Nic10, Par12b, PRL10, RKGM14, Soa13, TK14, TY11b, VHG13, ZLL10, Zho14b]. **electromagnetics** [BWC11, BCB12, BSV14, DFFL10, KAA12, KO14, OK13, PL10, WBC13]. **electromagnetism** [CV10, PT12]. **Electron** [PMS14, BGK12, CKD10, CM10, NIN+14, SL13a, WS14]. **electronic** [BHL12a, BHK+10, CBPS13, CW10, ITO+10, Men12, Son11]. **electronic-structure** [ITO+10]. **electrons** [BKH12, KHJ+13, SBS+13]. **electroosmotic** [LWCR10]. **electrophysiology** [CYK+14]. **electrostatic** [CCB13, CCB11, CC13, CCL+14, DXB+13, LTC14, PA14, YD11]. **electrostatics** [Gen13, GK13, WRH10, Xie14a]. **Element** [ABMT14, ABH+14, AB12, Ain14, ASS13, ASS17, AKL+13, ABJ+12, APC11, BGGGS11, BCP13, BPM13, BFR13, BHL12a, BSSW12, BWS10, BGN10, BW13, BFSVC14, BKC+11, BCLR10, BTY14, BKV12, CN12, CYK+14, CMS10a, CTG12, CT13, CXLF14, CLG13, CW14b, CH11a, CH11b, CT14, DH10, DB12, DSZ13, DKA12, DCVM11, DZLD14, EGW11, EGH13, EGL+13, EN14a, EN14b, ES14, FPN+13, FCG10, FK10, GT12, GDGP11, GTSC14, GQ13, HRK+10, HR10, HPV13, HSN13, HGW11, HHK13, HvB11, HL12b, HY09, HY11, HZ11b, HLLW11, HLYS11, Hua14, Hut14, Hys12, Ian11, JNX13, JZ11, KR10, KGG10, KG13b, KEGM10, KBSV14, KG13c, KVBP+14, KO14, LSM14, LRL10, LCNK10, LB13, LJX+14, LH10c, Li10a, LHY12, LXL13, LHY13, LSZ13, LRBT14, LLMY14, LLS11, LHMZ10, MZ11b, MRS14a, MMV+13a, MMV+13b, MBMV13, ML11b, MK11, MVCFM13]. **element** [MSTL13, MSTL14, MIKG12, MNL+13, MWY14, NKS10, ORHH13, OS12, PMM+11, PR11, PBC11b, QZM+12, RSS10, RKGM14,

RCCW10, RHGT10, SF11, SL13a, Sog14b, SLC+11, SK12b, SBvdV11, SJH12, SS13b, SS14b, SDH12, TF10, TD11a, TCL11, TTD11, VSK10, WA12, WKMJ13, WZZZ14, WYC13, XH13, XJ14, YL11, ZM10, ZK14, ZW10a, ZOWZ10, ZOJR11, ZYHW13, ZYT13, ZKM+11]. **element-finite** [GQ13, RKGM14]. **element-free** [ZOWZ10]. **element/Fourier** [SJH12]. **elements** [ABK12, ABK13, BMS12, BD13, BSB14, BL10, CXZ10, CKR14, CS12c, CMBW13, DMHL14, DKR14, DL10a, DTYY14, ES10, FGZ12, FGE11, HBZL14, HMM+10, HZS12, JMFO13, JRG13, MKGV12, MTS+11, NLGL14, OS11b, RBK13, SCGE13, TEY12, VQVD11, ZTG+13, ZD11b]. **elimination** [Opp13]. **ellipsoidal** [MWRZ13]. **ellipsoidal-statistical** [MWRZ13]. **ellipsoids** [GL13]. **Elliptic** [SG12a, AB12, BvBZ+10, BL11, CK10, CS13, CV10, CR13, DLNN12, FGE11, FO11, GM10b, GKN+11, Gri10, HPS13, HWST12, HWW10, HSWZ13, Hua14, JTXZ12, Kau10, LB12, LMS11, LC14, MDTC11, MMM13, Mar13, MWW+13, OK14, OS11a, PG11, PPB14, SS11, SG12b, SY12a, SY14a, SD14c, XZW11, XZWW12, YK13, LB10]. **elliptical** [Lee12b, LR13]. **ellipticity** [TDL10]. **Elsvr** [Ano12-31]. **embedded** [BF14, CCG11, FL14, JM10, KT14, LKTL10, MP13, SK12b, SdAW14, UKP14, VRB10, MDM+12]. **embedded-boundary** [VRB10]. **Emden** [xLqW13]. **emission** [Den11b, LGP14, RKD+14]. **empirical** [CEGG14]. **employing** [GV13]. **enabled** [HJBB14]. **enclosed** [LT10a, LW11]. **encode** [ACG14]. **endocytosis** [TH14b]. **endotoxemia** [SMF+13]. **energetic** [ABL+11, BM10a]. **Energy** [BHL+13, CCZ14a, CCZ14b, GKG+13, HJK14, HLLW11, LTL+14, MRS14a, MGN13, RHB12, San13, WZZZ14, WCVJ13, YHL13, AM10, BK12b, CWL13, CGM+12, CCB13, CTG12, CCB11, CC13, CSX14, CJP+14, DP12, FCYF11, FMT11a, Fus13, GZZ14, GLL14, HAD10, HCP10, JYHT10, KBS14, KJ11, LH13, LY13b, LLYE12a, LY14, LW14, ML11a, MHGM14, MGN14b, OS14, PS14a, PS15, RTKS10, SLI10, SO13, SEDW13, TBNT11, WGX13, WWS13b, vV12]. **energy-** [CCB11]. **energy-based** [DP12]. **energy-conserved** [LY13b]. **Energy-conserving** [CCZ14a, CCZ14b, LTL+14, San13, CCB13, CC13]. **Energy-dissipation** [HJK14]. **Energy-preserving** [WZZZ14, CWL13, WWS13b]. **energy-stable** [GZZ14]. **enforce** [NMV13]. **enforcement** [Nic11]. **Enforcing** [NV14]. **engineers** [PZ14]. **Enhanced** [HSD11, LLW14, GCBH13, KGK13, LJX+14, LFRM10, RF14a, XM14, ZMG11]. **Enhancement** [KG11, KG13a, Zho11, KRF12]. **enhancements** [BK11]. **Enhancing** [HGSK+13]. **EnKF** [CZL10]. **ENO** [SIDG13, WI13a]. **ENO-type** [WI13a]. **enriched** [CJ14, MMD+11, MSTL14, Sog14b]. **Enriching** [Try12]. **enrichment** [MSTL13]. **Ensemble** [GLM14, EWH13, Gil13, HMM14, KSS14]. **ENSO** [OMCO14]. **enstrophy** [KJ11]. **enthalpy** [BKKD14, CLZ12, KBTD12]. **enthalpy-based** [CLZ12]. **entirely** [BGZ12]. **entrainment** [Mit13]. **Entropy** [CVIA10, GPP11, LY14, AHOT14, DL12, FC13, FLM12, LGE+13, MT13, RRCD14, RPA13, Rot13]. **entropy-based** [AHOT14]. **Entropy/energy** [LY14]. **entry** [CRS14]. **envelope** [CBCM+11]. **EPIRK** [Tok11b]. **epistemic** [CPX13, JEX10]. **EPS**

[SW11]. **Equation**
[MM11, AH13a, Ain14, AJ14, ASS13, ASS17, AME14, BK14a, BH12, BD11a, BTX13, BHL$^+$13, BFO14, BR14, BB12b, BKH12, BAG12, BY11, BX12, BHY14, CCT11, CW13, CD13b, CES14, ÇD12b, CdCNH14, CB12, CT13, CGG12, CEP12, CRS14, CCW12, CLX14, CH10, CSX14, CGS13, Coa12, CRS12, Cui12, DDL13, DO11a, DOR10, DGM13, DL13a, Dur14, DV14, EMSH14, FKM11, FGZ12, FHMS11, FGLB14, FK14, FE11, FO11, GH14, Ge10, GCZ13, GMC13, GMA10, GG14, GM12b, GBB$^+$13, GH12a, GAV13, GL12b, GHJ14, GT11, GQ13, HM11, HPA14a, HPA14b, HZ11a, HPV13, HMS10, HRCW13, HLDP14, HvB11, HWW10, HW14b, JWV12, JNSA12, JC13, JRTY11, JW11, JKQ13, JWYH10, JY11, JM10, KKS13, KS11c, KJC13, KBGRM10, KL10b, KK10c, KQ11, KTT13, LH10a, LP12a]. **equation** [LKT$^+$12, LQ10a, LCY11, LX13a, LXL13, LMK13, xLqW13, LW13a, LLP14, LX14, LYJ14, LM14a, LDE$^+$13, Liu13, LS13d, MMR12, Mar10b, MKGV12, MHA10, MD14, MP13, MTG11, ML13, MYM12, MTS$^+$11, MAD13, MZB12, MVG11, NLGL14, NN12, Nis10, NCV10, PSL20, PRH$^+$14, PSM11, PBB14, PCF$^+$13, PS14a, PS15, PP12, PLN11, Pri14, QY10, QC10, RzSZ13, RLJ14, RVbZ10, RJG10, RS13b, RS14b, RNT12, SOG14a, Sam14, SSS10, SB14, SF14, SY12b, SCY11, SYL12, SJK11, SSX13, SSR14, ST11a, SJH12, SC12, Sto13, SYE10, Stu10, Tak14, Tal13, TG14a, TAT14, TGGT13, VW14b, WGX13, WV14, WZZZ14, WP10, WMYYG10, WJTY10, WG11, WDGY10, WWS$^+$13a, Xie14a, XQXC14, XST13, XX13, YXZ13, YZX14, Yao14, YHL13, YK12, YN10, YN14, YS13, ZN10, ZT13a, ZFH14, ZW10a, ZOWZ10, nZzS11, ZTG$^+$13, nZzSlL14]. **equation** [Zha10b, ZzS11, ZTL13, ZPF10, ZGSZ10, ZCS14, Zho14b, vTCL$^+$10]. **equations** [AK14, AP12a, AB13, ARR11, AIX10, AB11, AK12, AHOT14, AMDR10, AMP14, ÁCB12, AN14, AN13, AAT$^+$14, ALS$^+$14, AM11, APC11, BK11, BLQ14, BLRR11, BGR11, BGH10, BNNW11, Bér11, BN11, BN14a, BF12, BGHM13, Boe11, BdCB11, BKC$^+$11, BWMG14, BR12b, BRVE12, BDLGC13, BCLR10, BHL12b, BR10b, BRS10, Bre12a, BMR14, BTY14, BJ12, CVN13, CWS13, CCGP13, CCLS10, CX13, Cap11, CVC12, CGC13, CEK14, CJNS12, Cha13, Cha14, CS12b, CRG13, CS13, CL14b, CAH14, CXLF14, CHZ13b, CHZ13a, CLQX13, CW14b, CS14b, CLS10, CCY13, CRT10, CDK12, CT14, CG13b, CCG11, CMS10b, CLM13, CTSM13, CST12, Dad12, DLNN12, DCC$^+$13, DL13c, DAEB13, DBAV14, DHH11, DA14, DZL13, Dri10, DCL11, DAA11, DLM13c, EAG14, EH13, FPN$^+$13, FAY$^+$13, FL11a, FJ10, FR13, FMT11a, FM13]. **equations** [FW11, FVR13, FCY13, hGzS11, hGzSnZ12, hGzS13, Gas11, GL14, GM10b, GHM14, GG13, Gno14, GPS10, GM14a, Gri10, Gri12a, GLWW14, GMG12, GLL14, GXS14, HH12a, HR10, Har11, HHL11, HL12a, HKM12, HK14, HRT11, HOK10, HHGC14, HM10, HJK14, HJZ14, HDD12, HY10, HLT10b, Hu13, HAS13, HLY11, HLYS11, HF10, JMFO13, JU10, JKW11, JM12, JTH10, JCT11, JRTY11, JZ13, JLC14, JN12, JTXZ12, KL12a, KM14a, KKP10, Kat14, KDS14, KJ11, KHZ10, KG14, Kri14, KRT14, KMSS10, LN10a, LKM13, LT11a, Le 14b,

LRL10, LTCN13, LK14, LS13b, Ler14, LLZ11, LTSH10, LXY11, LX12, LP14a, LY13b, LD14, LSW14, LS13c, LSV10, LRN13, LC14, LGE+13, LP14b, LW14, LBM14, LM13, LDA10, LHMZ10, LL12b, LHV13, LL14b, LLN+10, LXL+12, Luo13, LQB14, MZ10, MA14, MMM13, MBS13, Mar10b, MMV+13b, MIJ10].
equations [MMP11, MS14b, MN12, MAK14, MST14, MBA14, MMD+11, MG14b, MT14a, MHGNM12, MY13, MWY14, MGN10b, MGN13, NMZC13, NPC11b, NPC11c, NP12, NOT14, NDBG14, NEE12, NvdVB13, OK14, OA10, OLFS13, OR10, Ols11, OBT12, OS12, PBT14, PDZ+14, PS12, PSM13, PMS14, PVLT10, PGL11, PPB14, PWK11, PE10, PvDtTB+11, PT12, PIN14, Pir12, PH13, Pir11, PMSM12, Pud11, PR14b, QY12, RBS12, RTS13, RP13, RH13, RHB12, RHXQ14, RGMC13, RCvdV13, RF14a, RS11, RM12, Sal14, SK12a, San13, SVK14, SS11, SH14, SM13, Sen13, SLGB12, Sha13, SZH12, STH11, SY11a, SVS11, She13, SML13, SWX12, SF12, SR11, SY11c, SR13c, Sou14, SN13b, SP11, ST11b, TAI11, TA12, TDVG13, TWMM14, TY11a, TCL11, Tok11a, TT10, Ton14, TE11, TS14]. **equations** [TLO+14, TEY12, TBR13, ULS13, UJvL10, UN13, VV13, VK12, VTTK13, VWF13, VMA14, VQRD11, VBCM10, Vre14, WA12, WCM+14, WZ13, WWS10, WXZ10, WPP10, WW11, WSYS12, WXY13, WW13, WD13a, WD13b, WD14, WW14, WXY14, WX14, WMYYG10, WH11, WLW13b, WAM14, WP14, Wit10, WG14, WYT14, XZW11, XZWW12, XFB+14, XIIX14, Xin14, XH13, XM14, XH14, XJ14, YVL+11, YO11, YC11, YWS13, YK13, YF14, YHM12, YF11, ZD10, Zen11, ZS10b, ZS11, ZS12, ZRM13, ZZS13, ZYLK13, ZYS14, ZW10b, ZT10b, ZLH12, ZTS+10, ZQ13, vDS12, vV12, RB10].
equiaxed [KBTD12]. **equidistribution** [CDF11]. **equilibrated** [NB14].
equilibrium [BBF12, CVIA10, IAM+12, JYHT10, MM11, MF13, PWB+14, RPC14, SGV13, VP10, WYS+11, Xin14, ZCD10, ZLCW14]. **equivalence** [Boy11, CSK14, SSM14]. **Equivalent** [CM10, Ler14, Wen10]. **ergodic** [YL14a]. **Ericksen** [CTSM13]. **erodible** [MGN10a]. **Erratum** [HY11, LWD13a]. **Error** [APY14, LH10b, MM10, SHFB12, SB14, WXZ10, WW13, WH11, AM12, Cou11, DFVY14, DBM+12, ETW10, FdVV12, FVR13, GLS10, GCLS11, GBB+13, HHL11, HLDP14, Hic12, HA14, HT12, HKL10, LLS11, NMT+12, RKM11, SBT13, SEBG12, XY14].
Error-controlled [WH11]. **errors** [AH13b, CN10, Dav10, Dav15, GHM10a, GHM10b, JH12, LH10d, PSDF13, SM12b, SS14a, VKBK11, XL11].
Esirkepov [GV13]. **essentially** [CCD11b, CRT14, DB13, Fan14, FSTY14, FCYF11, HKLY13, HWA10, IG14, JN12, LQ10b, VKL+13, YF14, ZS13].
essentially-bound-preserving [VKL+13]. **estimates** [DFVY14, ECDB14, HLDP14, HKL10, SEBG12]. **estimating** [GMT10].
Estimation [Cam13, BJ12, EH14, EH15, EWH13, ETW10, FLM12, FdVV12, FVR13, GHM10a, GHM10b, HMM14, HHL11, Hic12, HA14, KG13b, LA10, LH10b, MPS+14, MM10, MOV12, XS15, vydCNS+10]. **estimators** [KS13b].
EULAG [SC13]. **Euler** [AK14, Bal10, Bal12b, BMD+13, BDA14, BGR11, BN14a, BYCC14, CCGP13, Cap11, CD13a, CS14b, CRT10, CDK12, DHN11, DDS12, Del10, DCL11,

GITW12, GXS14, HKM12, HDD12, HLT10b, Hu13, HAS13, JKW11, KM14a, KG14, Kri14, LTCN13, LX13a, LKTL10, LDA10, LXL+12, MMV+13b, MIJ10, NvdVB13, PIN14, Pir11, PR14b, SLGB12, SYY14a, TAI11, TE11, WCM+14, Wit10, WYT14, YWS13, ZS10b, ZS11, ZS12, ZYLK13, ZW10b, vV12]. **Eulerian** [BD14b, AH10a, Atz11, BHS14c, BD10b, BDMP13, BBG+11, BR12a, BRSS11, CBW10, DLM+13a, ES13a, GT12, GIQ11, Her10, HPOM10, HAQ12, KBS14, KS12, KS14, LQ10a, Leu11, Li13, LHB10, LSVW10, LMS+10, MRD13, MVS13, OS11b, OLPM14, OS14, Ric13, Sam14, SNBN13, SZF12, SX14, SB12, SIT+11, VBCM10, Vre11, Wan10, WYC13, WYT14, YHT11, YT12, YL14a, YL14b, ZS14]. **eutectic** [BKKD14]. **evaluating** [ZJT10]. **Evaluation** [LX10, AINF13, BG13, BHBM10, GW13a, Gon10, Gon12, KBGO13, LLL10, NCKN10, QL12, SBWF14, VBSK10, dPSS12]. **evaporating** [VLM13]. **evaporation** [KLMJ12, MB13a, PS14a, PS15]. **even** [DAEB13, LS13d]. **even-order** [DAEB13, LS13d]. **Event** [BERB+12]. **Event-based** [BERB+12]. **evolution** [AJV11, BDKV14, CSKP10, DCVM11, GL14, GMG12, Hen13, HAD10, JWNL11, LX13a, LP14b, LMQ+11, Ols11, RKM11, RSS10, Vai11, VK12, WT14, YMLM+14]. **evolutionary** [APY14, CCLS10, JN12, LY14]. **evolving** [BF14, BD12, DKW10, LLZ11]. **EVP** [LKT+12]. **Ewald** [LT11b, WLL13]. **Ewald-based** [LT11b]. **Exact** [RPC14, hT10b, VTTK13, BBAP14, FGR12, HTHG14, LTL11, MF14, SLI10]. **Exactly** [Xin14, DLGP13, GM11a, LXY11, LX12]. **exceeding** [YM14]. **exceptional** [CDLL12]. **exchange** [ABS+14, BHBM10, Men12, Nag14a, Nag14b, PMSM12]. **exchangers** [PBdGP14]. **excitation** [VK12, WS14]. **excited** [CCW11]. **exhibiting** [NW10, SCY11]. **Exner** [MGN10a]. **Exner-based** [MGN10a]. **expansion** [BS11b, DV13a, KBGO13, MTS+11, PSDF13, RJC13, VBSK10, ZD11b]. **expansions** [AGS10, BY11, FN14, LdWF12, MH10, PHD14, RJG10, Tyg10, Nic11]. **Expectation** [GJ14a, AETT11]. **expectation-maximization** [AETT11]. **experimental** [HM13]. **experiments** [BSDM12, KYP+14, MBGW13, SEBG12]. **Explicit** [AB11, GDHM11, GMA10, RA10b, SWX12, WLW13b, ZL10, AV13, Abr10, AK12, BRVE12, CCMG+13, DV13b, DKH11, Fal13, FP14, GHP13, Gui12, HK14, HW14c, KK10a, KHHK12, Kuz14, LCB12, MBA14, MHGNM12, MHHGN14, NNS11, PP12, PP14, RGMC13, SK12a, SLT+14, SSHM10, Sou14, ZY13, LKLG14, DE14]. **Explicit-Implicit-Null** [DE14]. **Explicit/Vertically** [WLW13b]. **Explorer** [SBS+13]. **Exploring** [CCW11, JJM13, JEU11, LBRA+13, JHZ10]. **explosives** [SNBN13]. **exponent** [Leu11, CRK12]. **Exponential** [GBNS14, HBM13, LP14a, TS14, ZBS12a, ZBS12b, AF11, CTP13, CK11, LT12, RT14, TLG10, Tok11b]. **Exponential-Krylov** [TS14]. **Exponentially** [ZK14]. **expressed** [SBS11]. **expressions** [YYY+14]. **extended** [BGM12, DRZ14, DCVM11, FK14, GDW11, GHM10a, KDS14, KBSV14, LL10b, MCJ14, Rot13, SF11, SWX12, VHWF13, YJK12, ZYS14].

Extending [CG13a]. **Extension** [KBB13, LD12, LR12, Liu11b, CGP10, MHHGN14, SC13, YMS10, ZT10a]. **extensions** [AR14, KS13b]. **exterior** [CT14, GH11a, GHJ14, KST13, SSM14, SY11b]. **External** [IH13]. **extracted** [ELM14]. **extraction** [MM12]. **extrapolated** [FF12]. **Extrapolation** [KSS14, FVR13, MCD14a]. **extreme** [Hel11a, SV13]. **extremely** [Gui12]. **extremum** [GW13b, SY11a]. **extremum-preserving** [GW13b].

face [PLN11]. **face-centered-cubic** [PLN11]. **faceted** [NW12]. **facies** [CZL10]. **facing** [PBC+14, WZG+13]. **factor** [CZ11a, GP12b, JZ13, LN10c, WZN14, ZOL+11]. **Factored** [LQ11]. **factorization** [WdHX10, BNNW11]. **factors** [YM14]. **Failsafe** [KMSS10]. **failure** [LX10, LLX11b]. **FaIMS** [CB12]. **families** [EZ10]. **family** [CG13b, FE11, HPV13, KTT12, KS13a, Sen13]. **fan** [DG12]. **far** [HW11, IK11, LLSW14, Nic11]. **far-field** [HW11, LLSW14, Nic11]. **Farley** [DST14]. **Fast** [BK14a, BLQ14, BS11a, BRS13, BSB14, BBPC14, DLC11, EHA14, EMS11, EFT13, EAB+12, FO11, GM10b, GG13, JC13, JHF10, JFC+13, JMKK12, KQ11, LSK11, LLL10, LLY11, LvZB10, LQB14, MCLG10, MSD12, PG11, QY10, RGMC13, SBWF14, Tyg10, WD14, AAI10, AD14, ABS+14, BWC13, BKH12, Bre12a, BLR14, CF11a, CB12, CCK13, Chi12, CC12, CKD10, CH14, DH10, DV13a, DGM13, DF14, GB13, Gon12, GHL14, HM11, HSN13, HW10, HW11, KM13, LBT11, LWD13a, LWD13b, LGG+13, LT10b, LT11b, LC14, LCB12, Luo13, MCD14a, MST14, Mét11, MY13, NN12, PCF+13, PVDW14, PA14, RE13, SY12a, SY14a, SH11, SV10, Tak14, TiI11, TY11b, VRBZ11, WT12a, WD13a, WWS+13a, ZHPS11, Boy10, CB14, DDL13]. **fast-electron** [CKD10]. **fast-multipole** [Tak14]. **fast-rotating** [DH10]. **Faster** [SBB10, Gon10]. **faucet** [YFL+13]. **faults** [LMQ+11]. **FBI** [LQ10a]. **FBI-transform-based** [LQ10a]. **FC** [AB11, BL10, LB10]. **FCC** [PLN11]. **FD** [BMCK10, BMK11, BMK12, BFE12, CPJ11, FH11]. **FDF** [WPP10]. **FDTD** [FL13, GV14, LY13b, LBZ+10, MK13, PLN11, Rem11, TD11a, WBC13]. **FDV** [RCCW10]. **FE** [LGLX14, SGS13, SPB+10]. **FE-FV** [SGS13]. **Feature** [KWSJ11, BRP14]. **Feature-driven** [KWSJ11]. **feature-preserving** [BRP14]. **features** [LEH10]. **featuring** [LMQ+11]. **FEM** [WKL+14, AM12, BNP10, BSS11, CES14, DSHP11, HVD13, Hys12, LHH14, NOT14, NvdVB13, YCY11]. **FEM/BIE** [HVD13]. **femur** [AKL+13]. **Fermi** [CB11, Liu13]. **FETI** [BH13b]. **FFT** [CP14, ES14, PVDW14, Vol14, WLL13, ZVNM10]. **FFT-based** [Vol14, ZVNM10]. **Fibonacci** [Rem11]. **Fickian** [STD+10]. **Fictitious** [CCFCM11, AF13, BK12a, BL11, GLLP14, HS13a, LB12, NB14, YBK13]. **fidelity** [AME14]. **Field** [CGM+12, AH10a, BR10a, BHL+13, BKH12, BLR13a, CNR10, CL11b, DS12, Don14b, DFW+10, EAB+12, FHMS11, GW12, GW14, GH11b, GRS14, GWG14, GMG12, GMXG14, HD13, HW11,

HH13, HLLW11, IK11, JR14, KED+12, LXY11, LLSW14, LMBB11, LZ10, LVZK14, Nic11, PRA13, PB14a, RPA13, SMP+13, SSC13, TNK10, TK14, YJK12, ZMQ13, ZYF+10, Zho14b, ZWJW10]. **field-lattice** [SSC13]. **field-wise** [BLR13a]. **fields** [AETT11, BG10, BRSS11, BRS13, Brü13, CRK12, Far11, HW14c, KST13, KWS+11, KSK13, LTC10, LTC13, LBS10, Mar10a, MTD14, PSDF13, STD14, SSR14, ZM10]. **filaments** [TLZ+11, YFL+13]. **Filler** [Ano12-32, Ano12-34, Ano12-35, Ano12-31, Ano12-33]. **filling** [MWP14]. **film** [BWS10, MB11]. **Filon** [WLW13a, WW14]. **Filon-type** [WLW13a, WW14]. **filter** [HMM14, LT14, LM13, Ran12b, WYS+11]. **Filtered** [AGSG11, MH10, ZCS14]. **Filtering** [BGM12, GM11a, BH13a, DEH11, DV13b, Den11a, GHM10a, GHM10b, Har11, JMV+12, SCIE14, Sti12]. **filters** [BGM12, BH13c, Fal13, GLM14, Kim13, MS12, MTAC12]. **find** [Boy13, LD12]. **finding** [And10]. **fine** [PJCS14]. **fine-coarse** [PJCS14]. **finger** [HZ11b]. **fingering** [SGC13, SHCY13]. **Finite** [BGGGS11, BWS10, BdCB11, CH10, CRT14, CR13, CC14, DKM11, FGE11, KLL13, LJX+14, LRBT14, LW13b, Pri14, RCCW10, SGW10, SYV17, SLC+11, SS13b, SS14b, TL13, WLW14, WT14, ZM10, nZzSlL14, vEKdB14, AB12, AINF13, ANIF14, AV10, Ain14, AIX10, ASS13, ASS17, ABK12, ABK13, AKL+13, ABS+14, ABJ+12, APC11, BCP13, BPM13, BFR13, BHL12a, BSSW12, BGN10, BDMP13, BHL+13, BW13, BN12, BN13, BN14a, BFSVC14, Boe11, BKC+11, BFE12, BSB14, BD14b, BBD14, BCLR10, BHL12b, BHM14, BHY14, BTY14, BKV12, CCKCG10, CVC12, CMS10a, CCW12, CHKT13, CLSX14, CXLF14, CLG13, CW14b, CDL11, CWZ+11, CH11a, CDHM11, CVI+13, CMG+13, CJ14, CH11b, CS12c, CT14, CR14, CMBW13, DH10, DMHL14, DEH11, DM13, DMT+11, DMM+13, DKR14, DB13, DA14, DB12, DCL11, DSZ13, DKA12, DCVM11, DZHB13, DZLD14]. **finite** [EGW11, EGH13, EGL+13, ES10, EO11, EAN11, ES14, FGZ12, FPN+13, FGR12, FH11, FCG10, FCYF11, FCN+13, FC13, FLB+12, FL11b, FE11, FO11, FSL10, FMM+10, GT12, hGzS11, hGzSnZ12, Gao13, hGzS13, GDHM11, GMA10, Gri13, GZZ14, GDGP11, GQ13, GXS14, HRK+10, HJ11, HKJ11, HPA14a, HPA14b, HR10, HPV13, HGW11, HRBK10, HE14, HMM+10, Hic12, HZ14, HHK13, HZS12, HvB11, HM10, HJK14, HL12b, HY09, HY11, HZ11b, Hu13, HLLW11, HLYS11, HAQ12, Hua14, Hut14, Ian11, IX10, IDNG13, JMW12, JZ11, JRG13, JM10, JTXZ12, KCG14, KR10, KDS14, Kim13, Kol11, KEGM10, KVBP+14, KO14, LSM14, LRL10, LCNK10, LB13, LdWF12, Leu11, LH10c, Li10a, LHY12, LR12, LXL13, LHY13, LX14, LSZ13, LLMY14, LSV10, LMS11, LMBB11, LMS14, LS13d, LW14, LLS11, LTL11, MZ11b, MAPP13, MF14]. **finite** [MB12, MMV+13a, MMV+13b, MMSI13, ML14a, Mat14, MOV12, MTB10, Mig14, MSS12, ML13, MVCFM13, MSTL13, MSTL14, MTS+11, MMT14, Mor10, MK14b, MIKG12, MNL+13, MWY14, NLGL14, Nis14a, Nis14b, NPV14, NKS10, NNS11, Nor14, ORHH13, OBT11, OS11b, PDSS10, PMM+11, PR11, PvDtTB+11, PNPF10, PS14b, PBC11b, QS11a, RSK13,

RPV13, RSS10, RKGM14, RHGT10, RBK13, SSB13, SF11, SL13a, SRSV11, SCGE13, SQC11, SZ11, SY11a, SY12b, SS10c, SG14, SY11c, SYV14, Sog14b, SK12b, SBvdV11, Son11, SJH12, SC12, SR13d, SIT+11, SRL+11, SDH12, sSLxRyZ14, SIDG13, TH14a, TD11a, TCL11, TEY12, UKP14, UJvL10, UJ11, UJ12, VDP11, VWPF11, VWF13, VSK10, WA12, WWS10, WW11, WSYS12, WD13a, WKMJ13, WZZZ14, WD14, WAM14, WZ10, WYC13, WG14, XIIX14, XQX13, XQXC14, XLD+11, XH13, XJ14, YVL+11]. **finite** [YS13, ZW10a, ZS12, ZYHW13, ZHY13, ZY13, ZKM+11, AGBC14, ABMT14, CRK12, Den11a, GP12a, LHMZ10, SGW10]. **Finite-Difference** [SYV17, CR13, vEKdB14, ANIF14, BDMP13, BHL+13, BHM14, CWZ+11, CVI+13, CR14, DA14, FCYF11, FCN+13, Gri13, GZZ14, HE14, Hic12, HZ14, HJK14, JM10, Kim13, Kol11, LS13d, OBT11, PNPF10, SYV14, TH14a, ZY13]. **finite-differences** [BFE12]. **finite-element** [GT12, HvB11, KEGM10, LHY12, MIKG12, MNL+13, PMM+11, RSS10, WYC13]. **finite-rate** [MMSI13]. **finite-size** [RPV13]. **finite-spectral** [WA12]. **Finite-Volume** [KLL13, CC14, CDHM11, CJ14, DCL11, FE11, IDNG13, MAPP13, Nis14a, Nis14b, NNS11, Nor14, PDSS10, PNPF10, PP14, SY11c, SR13d, SIDG13, UJvL10, UJ11, UJ12, VWPF11, VWF13]. **finite/boundary** [LRL10]. **First** [ABL+11, Nis14a, Nis14b, BBAP14, CH10, DBZ14, JRTY11, KVBP+14, LPE+11, Nis10, VK12, DBO+10, MSS+14]. **First-** [Nis14a]. **First-order** [ABL+11, KVBP+14, LPE+11, Nis10, VK12]. **First-Passage** [DBO+10, MSS+14]. **FIS** [DR11]. **FIS-** [DR11]. **fish** [BI11]. **fish-like** [BI11]. **fitted** [HSWZ13, NHE14]. **fitting** [HLW13, PB11, PPWZ11, RZ10]. **five** [Boy11, FK14, KL10b, KK10c, MDTC13]. **five-equation** [FK14, KL10b, KK10c]. **five-point** [MDTC13]. **FIVER** [FGR12]. **fix** [Rie11]. **fixed** [AR14, BHM11, BHM13, BOD11, RF14b]. **fixed-source** [RF14b]. **flamelet** [ISZ12]. **flamelet-based** [ISZ12]. **flames** [Par10]. **flash** [PM14]. **flashing** [LKP14]. **Flatland** [BM10a]. **flexibility** [BBC+12]. **Flexible** [HL11, Cha14, CPX13, CNST13, FRP14, GRS14, HCS11, NL12a]. **flexural** [FGE11]. **flight** [NL12a, XW14]. **flights** [JWNL11]. **floating** [CKS14, LLdSC11]. **flooding** [KCG14]. **floods** [MGN12b]. **Flow** [DRW11, APF13, ALR11, AC13, ABL+11, ABKF11, AP11, AP12b, Ala14, AST12, ACCM12, AT13b, APC11, BVM14, BHS13, BHS14a, BHS14b, BCHM14, BC10a, BW13, BGGW13, BB13, BA10, Bea12, BPQO13, BERB+12, BDH13, BSS14, BdCB11, BS10b, BOK12, BM14, BCG+13, CD10, CES14, CEP12, CJLC11, CFKL11, CZ13, CSW14, CY14, CS14a, CEL14, CH14, CdCD12, DKC14, EMS11, EWH13, EWH14, EQYF13, Era13, FMT11b, GB14, GLSC12, GDW11, GW10, GKF11, Gri12b, GK14, HS13a, HSD11, HSK+15, HMHO13, HAD10, HK11, HY09, HY10, HY11, HLLW11, HCS12, Ion13, JK10, JMGN13, JK11, KVM12, KS11a, KST10, KR10, KWS+11, KM11, KS11c, KSR+14, KK10c, KG13c, KL11b, KG12b, Kwo14, LW11, LP13b, LDM14, LH10b, LBCL13, LQ10a, LXF10, LLX11a, LL12a, LT12, LMZ14, LLMY14, LLP10, LW13b, LDE+13]. **flow** [LYXZ14, LvZB10, LBR14, MZ11b, MWP14, MB10a, MM10, MB11, MRS14b,

MKB+12, MDM+12, MMT14, MF13, MJM13, MPT13, MMJ14, MT14b, MGN10a, MGN11, MGN12a, MGN14b, NL10, NS14a, NJ12, OP10, PSL20, PZTW12, PZW14, PZG14, PBWK11, PBM11, PMSH10, PC13, PPWZ11, QS11a, RBB12, RG13, RS10a, RXLS14, RHGT10, dCRCS10, RM14, SBB13, SS13a, SGS13, SSHT14, SSS10, SHFB12, SM11b, SSG11, SHM12, Shy10, SX14, SFWP10, SKN13b, SHA11, SHA12, SSL13, SL13b, SSY13, Tit12, TT10, TL13, UKP14, Unf13, UGF14, VMS12, VT13, Vre11, WPKK12, WFL10, WS10b, WSS12, WK13a, WHT14, WLW14, Wil13, WTSZ10, WC14b, Xu11, XW14, YMLM+14, Zad11, ZM14, ZS14, ZYHW13, ZHY13, ZHS10, ZLH12, dPSS12]. **flow-induced** [SM11b]. **flow/acoustics** [KVM12]. **flowfield** [SZ11]. **flowfields** [RCCW10]. **flowing** [ZIOF10]. **Flows** [LLdSC11, ABMT12, ABMT14, AF13, ABPSM11, ABS+14, BGGGS11, Bal10, Bal12b, BMD+13, BDA14, BNM14, BDA12, BFSVC14, BCD14, BPS14, BR11, BLR13b, BD11b, BBD11, Bre12b, BDKV14, CIJS14, CCKCG10, CD13a, CFCA13a, CFCA13b, CS12a, CK10, CP14, CM14, CP10, CL14b, CS10, CB10, CZ11b, CVIA10, CL11b, CJP+14, CRT10, CSKP10, CC14, CCLV10, CJN+13, CGC+12, CGF+13, CDB13, CTSM13, DLDL10, DM13, Del11, DLZ+11, DFVY14, DFNNRdlA14, DF14, DMMGM14, DS10, DS12, Don14a, Don14b, DL10b, DLM13b, EGG12, FGR12, FF13, FK14, FSL10, Fus13, GT12, GG10, GPCE13, GCE14, GJ14b, GITW12, GJLY13, GVV13, GCL13, GK10, GIQ11, GDGP11, GH12b, GLL14, HRK+10, HLT10a, HHA14, HKM12, Hig13, HF11, HHH13, HK13, HKL14, IAM+12, IG14, JTT14, JYHT10, JH12, KKAS12, KWSJ11, KKL10]. **flows** [KH13, KSL10, KM13, KF12, KT14, KG13a, KKO13, KRT14, KSD12, KBB13, LP13b, LNS13, LMFH11, Lee12a, LSBJ14, LGC13, Li10b, sLwG10, LZ13, Li13, LMGS13, LXSR12, LHB10, LFRM10, LWCR10, LWF11, LZV12, LVZK14, LDDBR13, LHPH11, LBK10, LXS+13, LI14, MB13a, MS10a, MAB+13, MMV+13b, MCA+13, McD14b, MGN14a, MZ11d, MWRZ13, MDH+10, ML11b, Min13, MBD13, MW14a, MSB14, MLBS14, Mor10, MN14, MLGN12, MGN12b, NHE14, NL12b, NCKN10, NMT+12, OAK11, OD13, PLBR13, PL14, PPS12, PP14, PB14b, QLW14, Qua11, RK14, RC12, RPC14, RB13, RBCK10, SRN10, SM11a, SBB13, SHR13, SF11, SHCY13, STH11, SFCF10, SYJ11, SSHM10, SS10c, SPF10, Shu14, SW10, SC13, SCB10, SBvdV11, SS13b, SS14b, SM10, SKR14, SST10, STC10b, Sza12, TS11, TQW14, TSL+14, TSLV11, TK12]. **flows** [TK15, TBMH11, TRL14, TVEC12, TAD14, Tyl14, ULS13, VDD10a, VP14, VRBZ11, VBCM10, VSC+11, VdMS+14, VED13, VKBK11, VWP11, Wan13a, WK10, WYS+11, WZ11, WWZ13, WZG+13, WP10, WS10c, WS11, XQX13, XH10, XYL12, XR14, YDN10, YP13, YCY11, YS11a, YS11b, YCLK12, YSW+13, YSW14, Yin14, Yok13, YYB12, ZA14, ZHW10, ZL10, ZFJ11, ZN14a, ZN14b, ZGSZ10, Zho11, ZF14, ZDSP11, vRLPK11, vVVK10, vdVR12a, vdVR12b]. **Fluctuating** [Kea14, SBA13, UPDB13]. **fluctuation** [NWLS12, XM14]. **fluctuation-enhanced** [XM14]. **fluctuations** [Atz10, Atz11, LHB10, PHSA14]. **Fluid**

[BLR13a, BCG+13, CCL+14, DD12, LS13a, TDL+14, AC13, AELV14, AF13, ACCM12, Atz11, BK12a, BHS12, BC10a, BOD11, BW13, BBGP13, BS10b, CFCA13a, CFCA13b, CNR10, CW14a, CS10, CLG13, CZ11b, CHHL11, CM10, Dad12, DDM10, Deg11, DM13, DF14, DLM+13a, DL10b, DGF14, EC13, ETW10, Fal13, FL14, FRP14, FG12, FP14, GM12a, GCBH13, GJLY13, GVV13, GKF11, GZZ14, GBC11, HLT10a, HSK+15, HMHO13, Hig13, HK13, HCS11, JSA14, JTH10, KFOS14, KMA13, KA12, KK10c, LT10a, LP13a, LZ13, LC13, LWF11, LW13b, LJG14, LHPH11, LGH10b, LZZR10, MD13, MF14, MK14a, MNKS13, Mit13, MMH12, NL12a, NPV14, NKF14, OL13, OP10, OD14, OM12, PPTMDK13, PMSH10, PHSA14, PZ10, QLW14, RBB12, Ric13, RHGT10, RMSF11, RDHK12, STH11, SC10, SC11, STL+10, SBvdV11, SKt10, SIT+11, TGT+10]. **fluid** [TQW14, TPF11, TVEC12, TP14, ULS13, VDD10a, VRB10, VLM13, VF10, WFL10, WYS12a, WYS12b, WKL+14, WLW14, WZT+14, WY11, WTSZ10, WC14b, XL11, YS11b, YS12a, YBK13, Zad11, ZA14, ZBS12a, ZF12, ZL10, ZJL+14, HS13b, MHL+14, WY10]. **fluid-body** [WY11]. **fluid-deformable** [WKL+14]. **fluid-flexible** [HCS11]. **Fluid-Kinetic** [MHL+14]. **fluid-particle** [LWF11, SC11]. **fluid-solid** [CHHL11, ETW10, MNKS13, WZT+14]. **Fluid-structure** [BCG+13, LS13a, TDL+14, Atz11, BK12a, BW13, BBGP13, Deg11, EC13, FL14, FP14, GCBH13, GKF11, LJG14, MF14, MMH12, NL12a, NPV14, OM12, PHSA14, SIT+11, VRB10, WC14b, YS12a, YBK13, ZF12]. **fluid-structure-interaction** [Ric13]. **fluid-surfactant** [GZZ14]. **fluid/solid** [GM12a]. **fluids** [GF13, Hys12, KGG10, KL10b, LRT13, LGE+13, PRA13, PS14a, PS15, UWB12, YFL+13, ZYF+10, dv23]. **fluorescence** [MB13b]. **fluorophores** [MB13b]. **flux** [APY14, BNT14, CVC12, Cha13, DFNNRdlA14, EZ10, Gao13, GMC13, GD10, GL12a, HLM11, KS13a, Kri14, KMSS10, LBM10, LSVW10, ML14b, OS11b, Par13, PM14, SBN12, SK13, VKL+13, VCJ11, WSW13, WCVJ13, XQX13, ZS14]. **flux-approximation** [ML14b]. **flux-corrected** [LBM10, LSVW10, OS11b, VKL+13]. **flux-form** [BNT14, HLM11]. **fluxes** [Cam13, PAM10]. **FMM** [GD13]. **foam** [KLP10, KLPS14]. **focused** [LX13b]. **focusing** [BRS11, MdVBS13]. **Fokas** [AN14]. **Fokker** [TTR+12, TBNT11, Wol12, CCT11, GJ14b, JY11, LE13, Mar10b, PLT14, SJH12]. **Foldy** [HSZ10, HLZ13]. **Force** [SCS14, CN10, Dai13, HH12b, HH13, Kea14, LKCY11, LY13a, MWRZ13, MW14a, PBT14, PA12, YTYJ12, YM10, Yok14, vHtTBC11, SST10]. **Force-controlled** [SCS14]. **force-coupling** [Kea14, YM10]. **force-driven** [MWRZ13]. **forced** [CL13, TPA+13]. **forces** [AT13b, HH13, MD13, SSHT14]. **forcing** [BL11, CLS10, GH10, Hig13, JMW12, KF12, LDS11, OBT11, VRB10, YS12a]. **forecasting** [Fal13]. **form** [ANIF14, BH12, BNT14, BN12, FCN+13, HLM11, JM12, Mor10, MK14b, MV13, RCCW10, SBS11]. **format** [BGK12]. **formation** [DH13, SS13b, SS14b, Tok10]. **forming** [AVKP11]. **forms** [BBM14, PRH+14, PZ14, RMMD14, YMS12, ZPF10]. **formula** [hGzSwZ14].

formulae [DFD14, NN12]. **formulas** [BMCK10]. **Formulation** [BRSS11, DEKBF14, RS13b, APF13, AHA10b, AHA13, AGBC14, AIX10, BLRR11, BLA+14, BD12, CN12, CVN13, CFW+13, CB14, CY12, CBW10, CF11c, CGP10, ES13a, ES13b, FL14, Fus13, GW13a, GIQ11, HSWZ13, HSZ10, HLZ13, JKQ13, KFOS14, KK10c, LRL10, LKT+12, LYD10, LHM14, LBS10, MBMV13, NOT14, Nis12, OR10, OLC13, QS11b, Ric13, RMSF11, SHMS13, SZF12, SPB+10, SYL10, SCB10, SB12, SP14b, TY11a, VMA14, Wan10, WZ11, XIIX14, Yok14, ZWL+12a, BD10a]. **formulations** [BCLR10, FCN+13, GCW14, MHA10, WX14, ZRM13, ZZB14]. **Forward** [Wan13b, HVT12, LP13a, MB10b, XW14]. **forward-reverse** [HVT12]. **four** [YJK12]. **four-field** [YJK12]. **Fourier** [AR14, APRS14, BPM13, BLTO11, BY11, CK10, FW12, GBS+14, GZQ13, HW10, HDD12, HG10, JHF10, KSK13, LR11, PMSM12, PS14b, QZM+12, SABH11, SHZ13, SJH12, ZHPS11]. **Fourier-based** [CK10, GBS+14]. **Fourier-continuation** [SABH11]. **Fourier-continuation/WENO** [SABH11]. **Fourier-series-based** [ZHPS11]. **Fourier-Wavelet** [KSK13]. **Fourth** [WGX13, BYCC14, CdCD12, DAEB13, FCYF11, Ge10, HM10, Li10b, LY13b, Mat14, SVK14, YXZ13]. **Fourth-order** [WGX13, BYCC14, CdCD12, FCYF11, Ge10, HM10, Li10b, LY13b, SVK14]. **FPGA** [LWZ+13]. **fraction** [QB14]. **Fractional** [ZK13, AKP+12, BCL13, BCL14, BLY10, BHY14, BTY14, CX13, CD13b, ÇD12b, Cui12, FCY13, hGzS11, hGzSnZ12, hGzS13, hGzSwZ14, GMA10, HAMA14, JTT14, JPC+14, JR12, Kat14, Kha13, LS13b, LCY11, LX13a, LXL13, LMGS13, LYJ14, MAD13, MY13, OM12, PS12, PH13, RzSZ13, Sou14, VW14b, WWS10, WW11, WXY13, WD13a, WD13b, WV14, WD14, WXY14, XH14, YZX14, YKWS13a, YKWS13b, ZK14, ZFH14, nZzS11, nZzSlL14, ZzS11]. **fractional-step** [AKP+12, OM12]. **fractions** [FS10a]. **Fracture** [BJLR14, AJV11, BPS14, CWL10, HKJ11, ZYHW13, SBN12]. **Fracture-Matrix** [SBN12]. **fractured** [MF13, NJ12, YL10, ZYHW13]. **fragmentation** [KSU13, SKU13]. **frame** [DS11, GK14, JSX10, VGCMG11, YXD+14, ZS14, ZJT10]. **frame-indifferent** [GK14]. **frame-invariant** [ZS14]. **frames** [BPQO13, BN14b]. **framework** [ACG14, BHS14c, BBGP13, CS14c, CT14, DBZ14, GHP13, HQL+10, LLYE12a, LS10b, MRS14b, NMV13, OK12, OD14, SMP+13, SKW14, SS10e, Unf13, VBVD10, VBSK10, WKMJ13, WC14b, XJ12, YS12a, YD12, Yok13]. **FRC** [KST13]. **Free** [AM10, BK12b, LH13, ABKF11, AF11, BCD14, BDTW10, BND+12, CTP13, CSW14, CW14a, DDF14, FDHP11, GAvdVB14, GCvRK11, GC11, GCZ13, GL12a, GVV13, Han11, HMHO13, KM11, Kaw13, KG13a, KG13c, LTS+10, LPE+11, LKT+12, Li10b, LXY11, LX12, LSZ13, LXSR12, LW14, LFLV14, LvZB10, LYD10, MCLG10, MIKG12, NCV10, OM12, PMMB14, PZ10, RR14, RB10, RB13, RLPM12, RM14, SAM10, SF11, SR13c, SST10, SBO11, SP14b, WWZ13, WIJ13, WY10, XMS12, YW13, Yok13, YB14, ZBS12a, ZBS12b, ZOWZ10, ZOJR11, ZCS14]. **free-boundary**

[LYD10]. **free-surface** [ABKF11, BCD14, GVV13, HMHO13, LXSR12, MCLG10, PZ10, RB10, RB13, SF11, SST10, WY10]. **freely** [GMXG14]. **Frensley** [JCT11]. **frequencies** [CB12]. **Frequency** [HR10, AWK+11, AETT11, AH10b, BCM12, CTG12, DTU12, EL11, GH11a, GGG+13, HdBK12, LJ13b, LQB14, MJK13, MN14, SSS11, SF12, SKt10, TY11b]. **frequency-dependent** [DTU12]. **frequency-domain** [AWK+11, SF12]. **frequency-space** [SSS11]. **Friction** [SPS14, CVC12, MGN12b]. **Friedrichs** [CCK13, LQ11]. **frog** [HT14, SWX12]. **Front** [SYJ11, AK14, BW13, LW11, MFM12, Mar10b, NW10, RZ10, RR14, TVEC12, UGkM13, WWZ13, Wit10]. **front-tracking** [LW11, RZ10, RR14, TVEC12, UGkM13]. **front-tracking/ghost-fluid** [TVEC12]. **Frontiers** [ASXZ14]. **fronts** [DLM13b, LEH10]. **FSI** [BHS13, BHS14a, BHS14b]. **fuel** [VDD10a]. **Full** [KED+12, AMP14, FE11, GB14, LLJ10, SIT+11, XHF13]. **full-body** [XHF13]. **fullerene** [WPKK12]. **Fully** [BBGP14, GM10a, GHP13, GF13, Hen13, LDA10, ASB10, AH10a, BZKL13, BCL+11, Bre12b, CDSP13, CNR10, CCL+14, FCG10, GH11a, GMC13, GXX14, HL12b, JZ13, KK10a, Kau10, LGF11, LL10b, MA14, MdVBS13, Mor10, Ric13, SNS10, SHCY13, SPB+10, SFCF10, SCS14, TQW14, WC14b, YB14, ZBS12b, LEH12]. **fully-coupled** [SHCY13, SPB+10]. **fully-developed** [SNS10]. **fully-discrete** [GXX14]. **fully-implicit** [SPB+10]. **fully-nonlinear** [SCS14]. **Function** [MNR11, AGSG11, BFE12, BCM+11, Boy10, BD14c, CRS14, DL13c, FWLP14, Gil13, Gon10, Gür14, HLW13, IST+12, IXX14, JC10, JK11, KNR11, LK14, LSK11, LH10d, MCLG10, NKF14, ST13, TVE14, VK12, WZ11, WYS12a, YSW+13, YSW14, ZT10a, ZMG11]. **function-based** [YSW+13, YSW14]. **Functional** [Fat10, LGE+13, BN12, CGS13, FN10, HZ14, ITO+10, JFC+13, LLYE12a, LLYE12b, LSE13, LBRA+13, MM10, MIKG12, MNL+13, SL13a, SSS11, SD14b, SBO11, SP14b, YWY10]. **functionally** [HBZL14]. **functionals** [RSS10]. **Functions** [PDC13, BY11, Boy11, BX12, CEK14, CCC12, CST10, EGW11, ERT10, Fat10, FL10, FB11, Gno14, GWG14, HBM13, HHGC14, JNX13, LD12, LB14, MK13, Min10a, NB14, Ost10, Pir12, PH13, RA10a, RPA13, Sal14, SPM+13, TCL11, Val14, VT13, WZZ14, ZBS12a, ZBS12b, ZJW12, ZPGO10, MPR12]. **fundamental** [AEM13, BOK12, SYL12]. **Further** [DMM+13]. **fusion** [BS14a, PLT14, TTR+12, WCM+14]. **FV** [SGS13, ZWL+12a, ZWL+12b].

Galerkin [BR12b, FW12, AJRT11, AJ14, AWK+11, AAT+14, BNT14, BGR11, BBC+12, BR11, BGHM13, BSCML13, BTY14, Cha13, CZ11a, CS12b, CAH14, CLX14, CCZ14a, CCZ14b, CW14b, CSX14, CCY13, CJ14, CDB13, CdCD12, DAEB13, DFFL10, DHH11, DL10a, DZL13, DSZ13, DZLD14, FPN+13, FT12, FH11, FP12, FP14, GAvdVB14, GH11a, GDHM11, GP12b, GZQ13, GXX14, HGMM12, Hig13, HvB11, Ian11, JMFO13, JZ11, KG12a, KKO13, KG14, KRT14, Kuz14, LH10a, LXM14, LHH14, LLJ10, LXY11, LX12, LXL13, LH14a, LZZC14, LLP14, LSW14, LLYE12a, LLMY14, LLH10, LP14b, Liv10, LLN+10, LXL+12, LXS+13, LI14, MRS14a, MHA10,

MN11, MOSW12, MST14, MESV10, MMD+11, MMIW14, ML11b, MK11, MWW+13, MWY14, MBGW13, NPC11b, NPC11a, NPC11c, NP12, NDBG14, NvdVB13, OHF12, OS11a, OD13, PDZ+14, Per13, PIN14, QS11b, RV10].
Galerkin
[RHXQ14, RGMC13, RC12, RCvdV13, RS11, SH14, SGC13, SHCY13, SLT+14, SBvdV11, SSL13, SD14c, TG14a, TE11, TD11b, TD12b, TLNE10, TBR13, VMA14, VR14, WXZ10, WS10b, WT12a, WZSN12, WK13a, WKH10, WSBG10, WT14, XXS10, Xin14, XLD+11, XCL14, YO11, YWS13, YMLM+14, YHL13, YWL14, ZS10b, ZOWZ10, ZS11, ZOJR11, ZHY13, ZZS13, ZT13b, ZYS14, ZS13, ZT10b, ZZSQ13, ZMD+11, vdVR12a, vdVR12b].
Galerkin-enriched [CJ14]. **Galilean** [Del14, WZT+14]. **gamma** [RKD+14].
gamma-ray [RKD+14]. **Gas** [CJLC11, BRS12, BSDM12, BDLGC13, CXLC12, CGF+13, DLDL10, GJ14b, GH12b, HMHO13, JZ11, KM11, Kol11, KGK13, KMSS10, LNS13, LXF10, LLX11a, LYXZ14, MZ11d, Mie13, Min10b, MHGM14, Nag14a, Nag14b, PZTW12, PLBR13, PL14, PL12, RTS13, RPC14, SS10c, Sza12, TK12, TK15, Tit12, TA13, UN13, VMA14, WZG+13, WYT14, XH10, XX13, YSW+13, YSW14, ZFJ11, vVVK10]. **gas-dust** [Min10b].
Gas-kinetic
[CJLC11, KGK13, LXF10, LLX11a, LYXZ14, XH10, XX13, YSW+13, YSW14].
gas-liquid-like [TK12, TK15]. **gas-particle** [WZG+13]. **gas-solid**
[BSDM12]. **gaseous** [WZSN12, YTYJ12]. **gases**
[CL14a, KM14b, LXM14, PBC+11a]. **gauge** [CB11]. **Gauss**
[Boy10, DBAV14, TDL10, SAHS14, ZHS10]. **Gaussian**
[AETT11, BLQ14, BHM11, BZ12, BZKL13, Boy10, HW14c, JWYH10, KSK13, LQ10a, QY10, RS13b, RS14b]. **GCL** [SYV17, AINF13, SYV14].
Geant4 [KLB+14]. **Geant4-DNA** [KLB+14]. **Gegenbauer** [DV13a]. **gel**
[ALGB+13]. **GENE** [GLB+11]. **general** [AB11, BDTW10, BDKV14, BL10, DAA11, FE11, GCW14, KK10b, LFW11, LB10, MT14a, PNPF10, SM11a, SY12a, SRS10, VMA14, WYS12a, WG14, ZT13a, vV12]. **generalised**
[LXSR12, Sal14]. **generalised-Laguerre** [Sal14]. **Generalization**
[LBZ+10, STD14]. **generalizations** [CHZ13b]. **Generalized**
[AEM13, DXB+13, EGH13, EGL+13, HDHZ13, HSZ10, LBS10, PSM11, Pir10, PC13, RB13, SZ11, YBK13, ZZB14, ARR11, AHA12, CBPS13, DBZ14, Fal13, GvdSVK10, HE14, HHGC14, HLZ13, KJC13, LLX11a, Liu11b, LBR14, MMD+11, MCDT12, OJW10, PBdGP14, Pir11, QLW14, SHZF12, XXS10, YHL13]. **generated** [ERT10, FLB+12, FL11b, JH12]. **generation**
[GL13, HW14c, Kau10, LX13b, MZ11a, PAG11, SGV13, SWR11, WTYC13, YB14, ZJW12]. **generator** [NW10]. **generic** [LEH10]. **Gentile** [Gho17].
Genuinely [Fal13, BBD14]. **geodesic** [PB13a, PB14a, Pud11].
geodynamics [ZLH12]. **Geometric**
[ANIF14, DMT+11, AMP14, ACB+13, BNP10, CST10, ES10, HTHG14, MHA10, MN11, MYM12, MNS13, OD14, ST11a, XFC+14, DMM+13].
Geometrical [JRG13, BDM13, CKR14, LLZ11]. **geometrically**
[GRS14, JK11, OS11b]. **geometrically-conservative** [OS11b]. **geometries**

[CB10, CLS10, GCvRK11, HS13a, HBAP10, KG12b, MMR12, MTG11, PMSM12, PHSA14, SSB13, SM11b, SY11c, UKP14, ZYT13]. **Geometry** [SPS14, BCM+11, CBW10, CS10, DOR10, DC13, FGLB14, GPY14, LRS10, LFRM10, SHCY13, UKP14]. **geophysical** [MG14a, TH14a, UJ11]. **geophysics** [TQW14]. **geospherical** [SS10e]. **GFD** [WYYK10]. **ghost** [CR13, HK13, KK14, KMA13, LY13a, VDD10a, XL11, ZF12, ZL10]. **ghost-cell** [LY13a]. **ghost-fluid** [TVEC12]. **ghost-point** [CR13]. **Ginzburg** [RSS10, SV13, TAT14]. **glass** [ARF12, MSTL14]. **GLM** [MTB10, MT10]. **Global** [BR10a, CLSX14, Gno14, SG13, CBGK13, DTG+14, EGG12, GCE14, GLB+11, IX10, JNM12, JMV+12, JMGN13, LR13, MS10a, MBS13, Sti12, WH11, GPCE13]. **globular** [ORHH13]. **gluon** [AiINT14]. **GMsFEM** [CEL14, EGH13]. **GNAT** [CFCA13a, CFCA13b]. **goal** [BDA12, GBB+13, LDA10, RKM11, WR11]. **goal-based** [GBB+13]. **goal-oriented** [BDA12, LDA10, WR11]. **Godunov** [Del10, DOR10, LT11a, MMP11, MT10, MLBK14, PR14a, QL11, SS10b]. **Godunov-like** [MLBK14]. **Godunov-type** [LT11a]. **good** [CW13, CB10]. **Gordon** [BB12b, VBSK10, VW14b]. **governing** [PSM13]. **GPU** [BD14a, BGZ12, CCB12, CS13, CRK12, DKH11, FTF14, GLC+11, HMOH11, Hut14, IFD+12, JFC+13, JLS+14, KSP13, KEGM10, KO12, KA13, KAG14, MWP14, MdVBS13, NWLS12, NVS13, PMMB14, PAG11, Pri14, QA11, RCQL11, RBCK10, SBB13, Sch13a, STC10b, WK13b, Wei12, XDZ+14]. **GPU-accelerated** [BD14a, IFD+12, NVS13, STC10b, WK13b]. **GPU-based** [HMOH11, KO12]. **GPUs** [SSK+12, APGL12, AJG+13, BFE12, CB11, KAG14, LLL10, NS14a, SBWF14]. **Grad** [PCF+13]. **graded** [HBZL14, HG11, MTG11]. **gradient** [BV14, Cam13, CJP+14, GW12, IF10, LDM14, MS10b, MOV12, Mét11, NRS10, RSS10, SCC14, Wan14, XY14, ZMG11, Fat10, MMM13]. **gradient-augmented** [LDM14, NRS10]. **gradients** [HH13, MS11, Pir12, Vol14, ZVNM10]. **Graetz** [PBdGP14]. **graft** [GDY10]. **grain** [JR14]. **grained** [ALGB+13, LG14, PA14, ZZK+14, ZKKF10]. **graining** [Ich13, KKPV12]. **Gram** [CG13a]. **granular** [BRS12, BM13a, CM14, FR13, JMGN13, SSB+12, VP10, VP14]. **granulation** [BKW10]. **graphene** [BHM14]. **graphic** [KHRD11, HJBB14]. **graphical** [GHH14, WZ13, WZ14]. **graphics** [KSPP10, LSK11, LLL10, Wit13, SSK+12]. **gravitation** [KM14a]. **gravitational** [BGZ12, YTYJ12]. **gravity** [GCFJ13, NDV+11, SGC13]. **gravity-driven** [GCFJ13, SGC13]. **grazing** [GH14]. **greedy** [SYL12, YLW10]. **Green** [PDZ+14, BCL+11, BD14c, CRS14, HAD10, JC10, JK11, KNR11, LGH10a, LK14, LD12, LGLX14, PE10, TVE14]. **Green's** [CB14, MK13, PDC13, VT13]. **grey** [MSTL13, WL11]. **Grid** [HH12a, PGLK14, AP11, ABMT12, BCL14, Boy11, CP14, CDS13, CCG11, DjY14, EH14, EH15, Gas11, Gri13, HLM11, HG11, HSWZ13, IX10, IKO+14, KED+12, KSU13, Kau10, KSR+14, KMvM+12, LMLC12, LNU10, LLZ11, Li12, LRK11, MK13, MBLM10, MLBK14, MMJ14, NTV14, PVLT10, PB13a,

PMSH10, PMF13, PJCS14, PLN11, Pud11, RBS12, RS14a, SS13a, SZF12, SBS11, Shy10, SWR11, SEBG12, TH14a, TQW14, TS12, WDP+14, WY11, WTYC13, XS15]. **grid-adaptive** [KMvM+12]. **grid-based** [CDS13, MMJ14]. **grid-compatible** [MK13]. **grid-conforming** [KSR+14]. **grid-independent** [PMF13]. **grid-particle** [CP14]. **grid-staggering** [RBS12]. **gridded** [HW11]. **Grids** [SYV17, AINF13, ANIF14, ABHS12, BHS12, BCHM14, BOD11, BNM14, BV14, BM14, CCKCG10, CRG13, CLSX14, CCY13, CR13, DMT+11, DMM+13, DCL11, EZ10, EQYF13, Era13, EN14a, EN14b, EAB+12, FGR12, FB11, FS10a, FE11, GC11, GCZ13, GH12a, GP12a, HRBK10, HW10, HM10, HLT10b, iIT14, IDNG13, JAX11, KVM12, KM13, Lan14, LRLL11, LR12, LB14, LX14, LKTL10, LTT10, LT11c, LLN+10, LXL+12, LXS+13, LZZR10, MB12, MAB+13, MZ11c, MTG11, MG14b, MK14b, NDV+11, OD12, PB11, PRH+14, PHRG13, PYK10, PB13a, PB14a, PAM10, RWX11, RTKS10, SKU13, SGS13, SSS10, SML13, SSHM10, SC11, SFWP10, SR13c, SYV14, Son11, SV10, TF10, TDVG13, TRL14, TD11b, TLO+14, Tyl14, UJ11, VMA14, WYS12a, WY10, WG14, XIIX14, XDZ+14, YMS10, Zie11, vV12]. **Gross** [MWRZ13, LX14, Sal14, TA12]. **Ground** [LLSW14, AD14, BCW10, BD11a, BCZ13, CCW11, Don11, FT12, Wan14, ZD11a]. **group** [AK12, CMO14, KBRM12, LB14]. **grouping** [Ran11]. **growing** [GMXG14]. **growth** [BGN10, CCFCM11, JR14, KBTD12, LGH10b]. **GRP** [HLT10a, LZ13, WYT14, YHT11, YT12]. **Grüneisen** [WP10]. **GSM** [WKL+14]. **GSM/ALE** [WKL+14]. **GSPH** [PR14a]. **Guest** [VCS14]. **guide** [FLB+12]. **gyrokinetic** [BKH12, CB13, CRS12, GLB+11, HdCNT12, JMV+12, KWH10, KHJ+13]. **gyrokinetics** [NHT+10, NHT+13].

H [TP14]. **H-VLPL** [TP14]. **Hadwiger** [CLW10]. **haemodynamic** [GCBH10]. **haemodynamics** [FQV13, NPV14]. **Hagedorn** [Zho14b]. **half** [CB14, Tyl14]. **half-space** [CB14]. **half-staggered** [Tyl14]. **Hall** [DTG+14]. **halo** [BS14a]. **Hamilton** [CW14b, LP14b, YO11, ZQ13]. **Hamiltonian** [AEM13, DF10b, GCW14, HDHZ13, MNS13, NvdVB13, SWX12, WWS13b, ZTS+10]. **Hancock** [BD14a]. **Handling** [ZL10, AHS14]. **Hard** [IAM+12, De 10, FCH13, GL13]. **Hard-sphere** [IAM+12, FCH13]. **harmonic** [DLC11, EAG14, GGG+13, JMFO13, LLP14, MTS+11, Mön13, NPC11b, NB14, PL10, RM12, SG10a, SF14, SP11, TEY12, Tyg10, XMDG13, XMDG14, XJ14, ZMD+11]. **harmonics** [GS11a, LdWF12, MH10, MM11, Ols12, RARO13, RJG10, Sal14]. **Harris** [VCS14]. **Hartmann** [HY11, HY09]. **Hartree** [BD11a]. **hash** [BGG12]. **Havriliak** [CPJ11]. **hazard** [MPS+14]. **HDG** [WK13a]. **heart** [LS13a]. **heat** [BD12, BDLGC13, CdCNH14, Coo13, CCG11, ETW10, GP12a, HS13a, HK11, JYHT10, KK10a, KKvZB14, KSR+14, LN10a, LCK11, LN10b, MB13a, Mar10b, MM11, NTV14, PGR10, PBdGP14, SD14c, ZYT13]. **heat-conducting** [KSR+14]. **heating** [KS13a]. **heavy** [AiINT14].

heavy-ion [AiINT14]. **height** [BCM+11, LH10d]. **heights** [FS10a]. **Hele** [GXX14]. **helical** [Tan11]. **helically** [LP12a]. **helicity** [OR10]. **helicopter** [XW14]. **Helmholtz** [BAG12, CES14, CB12, CF11b, CCW12, CLX14, CC12, CGS13, Coa12, DDL13, FKM11, GD13, HM11, KQ11, KO14, LLL10, LW13a, LM14b, LQB14, NN12, RVbZ10, Sto13, Stu10, TGGT13, VBVD10, VG14, WdHX10, ZT13a, Zha10b]. **Helmholtz-type** [KO14]. **hemodynamics** [ADSF13, BC14, CG12, XHF13]. **Hermite** [CAH14, KBRM12, LXL+12, RBK13, SP14a, YF14, Yin14, ZQ13, vDS12]. **Hermite-based** [SP14a]. **Hermite-discontinuous** [CAH14]. **Hermitian** [And10]. **heterogeneity** [LLMY14]. **Heterogeneous** [LR13, AB12, AST12, AT13a, BCL14, CTP13, CL11a, CSX14, DM13, Dur14, EGG12, LMFH11, LH10c, Liu11a, LW13b, MZ11b, MJM13, MMJ14, SKN13a, SGS13, STD+10, TLG10, WT13, WHT14, WLW14, WGD12]. **heterostructures** [MZB12]. **Heuristic** [WFL10, Phi14]. **HEVI** [WLW13b]. **hexagonal** [Gas11]. **hexahedra** [BD13]. **hexahedral** [FGZ12, JLZ13]. **hierarchic** [MMD+11, SL13a]. **Hierarchical** [AKP+12, JZ10, Kuz14, Sog14b, ZKM+11, BH13c, HKJ11, HKL10, LLY11, SY14a, SSB+12, XLD+11, LXS+13]. **hierarchy** [MT13]. **High** [AQ11, AL10, AME14, AMP14, AF11, AN13, BGH10, BD13, BL10, CYK+14, CCD11b, CJP+14, CDHM11, DLGP13, DKR14, Fan14, FT11, FC13, FMM+10, HRBK10, HOK10, HTHG14, IG14, KM14b, KEGM10, LGLX14, LL14a, LB10, MTT13, MTB10, Mig14, MSB14, NPC11a, NCKN10, OAKR14, PPWZ11, QB14, SHCY13, SFCF10, SYV17, SIDG13, TR11, UJvL10, VQVD11, WSYS12, Whi10, WD11, Wit13, XQXC14, XW14, Zha10b, AB12, AINF13, ANIF14, ALR11, Ain14, AETT11, ABK12, ABK13, AH10b, ABJ+12, BHB11, BMS12, Bal12a, BNT14, BDMP13, BCM12, BSS14, BS10a, BLR13b, BK14b, BKW10, BL13, BLR14, CCKCG10, CX13, Cap11, CDSP13, CTG12, CWL10, CZ11a, CXLF14, CGMQ14, CEL14, CDL11, CLAL14, DEH11, DMT+11, DMM+13, DL13b, DAEB13, DSZ13, DWZ10, DV14, EGW11, EGG12, EL11, FW12, FK10]. **high** [FP14, Fuj11, GH11a, Gao13, GNGAS10, GBNS14, Ger12, GMC13, GPCE13, GCE14, GCL13, GH12b, GCH14, GXS14, HRK+10, HH12a, HRCW13, HE14, HY09, HY11, HLT10b, HAS13, HMOH11, IX10, IKO+14, JNSA12, JAX11, JZ11, JLB+10, KLMJ12, KSU13, KF13a, Kaw13, KKvZB14, KG13a, KG13b, Kwo14, LTC10, LFL11, LP13b, Le 14a, LSBJ14, LGC13, Ler13, LLZ11, LXF10, LR12, LLZ14, LP14a, LN10b, LM14a, LLS11, LL14b, LQ11, LQB14, MZ10, MKGV12, MN11, MIJ10, MZ11d, MZ14, MJK13, MAD13, MPT13, NHE14, NMCZ14, NPC11c, Nic10, NMT+12, OS11a, PDSS10, Par10, PMM+11, Par12a, PGLT10, PVLT10, PCF+13, Per13, QLW14, QC10, QS11a, RZ10, RKD+14, RS11, SRN10, SKU13, SRSV11, SM11b, SQC11, SZH12, SCY11, SR11, Shy10, SYV14, Sou14, SPM+13, SDH12, SD14c, SY14b, TS11, TWSN12, TK12, TK15]. **high** [Tit12, TY11b, Tyl14, TBNT11, UKP14, UJ12, Val14, VLM13, VWPF11, VWF13, VCJ11, VSK10, Wan11a, WMI10, WYS+11, WZSN12, WW13,

WZN14, WSBG10, WP14, XPO14, XDZ+14, YL11, YHM12, YYB12, ZT13a, ZS10a, ZS10b, ZS11, ZS12, ZD11b, ZDSP11, vL11, vRLPK11].
High-accuracy [KM14b]. **high-contrast** [CEL14, EGW11, EGG12, GPCE13, GCE14]. **high-convergence** [SPM+13]. **high-dimensional** [JAX11, LLZ14, MZ10, Val14, WZN14]. **High-fidelity** [AME14]. **high-frequency** [AH10b, MJK13, TY11b]. **high-intensity** [RKD+14]. **High-order** [AL10, AF11, AN13, BGH10, BD13, BL10, CYK+14, CDHM11, FC13, HOK10, IG14, KEGM10, LB10, MTB10, Mig14, MSB14, NPC11a, PPWZ11, SHCY13, SFCF10, SIDG13, UJvL10, VQVD11, Whi10, AB12, AINF13, ANIF14, ABK13, ABJ+12, BHB11, BMS12, BNT14, BS10a, BL13, BLR14, Cap11, CDL11, DEH11, DMT+11, DMM+13, DSZ13, DWZ10, FP14, GNGAS10, GBNS14, Ger12, GMC13, GCL13, HH12a, HE14, HLT10b, HAS13, JNSA12, JZ11, Kaw13, LFL11, LSBJ14, Ler13, LXF10, LN10b, LM14a, LLS11, LQ11, MKGV12, MN11, MIJ10, MZ11d, MZ14, MAD13, MPT13, NMCZ14, NPC11c, NMT+12, OS11a, PDSS10, PMM+11, PGLT10, PVLT10, PCF+13, Per13, RZ10, RS11, SRN10, SM11b, SCY11, SDH12, SD14c, TK12, TK15, Tit12, Tyl14, UKP14, UJ12, VWPF11, VWF13, VCJ11, VSK10, Wan11a, WYS+11, WSBG10, WP14]. **high-order** [XDZ+14, YL11, YHM12, YYB12, ZD11b, ZDSP11]. **High-performance** [FT11, OAKR14, WD11, Wit13, Fuj11, HMOH11]. **high-precision** [IKO+14]. **High-resolution** [LL14a, JLB+10, Par12a, Shy10, WD11, vL11]. **high-speed** [NHE14]. **high-velocity** [BDMP13, CWL10]. **High-volume** [QB14]. **Higher** [Dai13, DCC+13, MF13, MIKG12, MNL+13, SGS13, BX12, FL13, FVR13, Gen13, HAMA14, HdCNT12, Lee14b, LT14, MF10, Mön13, SK12b, SWR11, ZF12, vdVR12a, vdVR12b]. **Higher-order** [DCC+13, MF13, MIKG12, MNL+13, FL13, Gen13, HAMA14, LT14, MF10, Mön13, SK12b, ZF12]. **Highly** [ARR13, CLM13, DLNN12, EZ10, GHM14, HT14, LTCN13, LEHA10, LWS14, MN12, PVDW14, SS11, WFK11, WLW13a, WW14, WJC13]. **Hilliard** [GXX14, GLL14, HHK13, BSSW12, BSB14, GLWW14, GGT13, HGW11, LDE+13, SJK11, WG11, ZW10a, ZTG+13]. **Hilliard/Navier** [HHK13]. **histogramming** [LSK11]. **historical** [vL11]. **History** [CZL10, Dai13, vHtTBC11]. **HLL** [BBD14, Cap11, Guy13, MGN12a, Rie10, SLH+11]. **HLLC** [Bal12b, BDA14, KB14, MGN12a, TT10]. **HLLC-type** [TT10]. **HLLD** [OLPM14]. **HLLE** [Bal10]. **HOC** [GC11, GCZ13]. **Hodgkin** [AN13]. **Hoekstra** [XS15]. **Holm** [SCY11]. **homo** [JJM13]. **homo-oligomerization** [JJM13]. **homogeneity** [iIT14]. **homogeneous** [AJ14, CSKP10, LE12, OTV13, STH11, SVS11, She13, TG14b]. **homogenization** [AB12, ZVNM10]. **homologous** [EHA14]. **homotopy** [HHS+13]. **Hoover** [CWC11]. **horizontal** [EEK14]. **Horizontally** [WLW13b]. **host** [BRS12]. **hot** [CM10]. **hp** [Alm14, BSS11, DSHP11, LSW14, WZZ14, vdVR12a, vdVR12b]. **hp-Cloud** [Alm14]. **hp-convergence** [WZZ14]. **hp-discontinuous** [LSW14]. **hp-FEM** [BSS11, DSHP11]. **hp-Multigrid** [vdVR12a, vdVR12b]. **HPC** [SF14].

Hugoniot [Guy13]. **human** [AKL+13, SMF+13]. **Huxley** [AN13]. **Huygens** [Bér11, LQB14]. **Hybrid** [CBPS13, CP14, EWH14, GQ13, HDD14, LBC14, LQ10b, MM11, PLBR13, SBA13, WS14, ALR11, AP11, AP12b, AHS14, BDL11, BW13, BFSVC14, BBG+11, BS10b, BLR13a, CDSP13, CCB12, CAH14, CPCU13, DTU12, FT12, GG13, GHM12, GWK10, HPOM10, KVM12, KK10b, Kha13, KS12, KSB14, LRL10, LEH10, LEH12, LDDBR13, MIJ10, Min10b, MSTL13, NW10, OK12, PP14, PAM10, RKGM14, RRCD14, RCCC14, SP13, SGW10, SM13, SS10b, SABH11, SHZ13, SMS14, SAA14, SGV13, sSLxRyZ14, TAT14, TP14, VLM13, WWX+10, WSS12, WP10, WYC13, XJ12, YK12, ZWL+12a, ZWL+12b, ZDSP11, HPV13, TL13]. **hybrid-kinetic** [KSB14]. **Hybrid-Mixed** [HPV13]. **Hybridizable** [NPC11b, NP12, WK13a, CLX14, LLP14, NPC11a, NPC11c, RC12]. **hydro** [KMvM+12]. **hydrocarbon** [BGBR12]. **hydrocodes** [LS10b]. **Hydrodynamic** [SBC+14, AP11, AP12b, ÁCB12, CS12a, HP13, HZS12, LBZ+10, MS10a, QY12, RUL+13, SB12, TG14a, TLZ+11, VKBK11]. **hydrodynamic-kinetic** [AP11, AP12b]. **hydrodynamics** [AHA12, AHA13, AiINT14, Bal12a, BLOdV14, BHS14c, BAB+13, BLA+14, BPHK13, CL10, DH13, GM10a, JGZL14, KK10a, KKLR10, KBS14, LXSR12, MKB+13, MLBK14, PTM13, PBT14, Pri12, Ros10, Sco12, SS10b, SF14, SR13c, TiI11, TAAS13, UPDB13, VKL+13, WT14, YHT11, YT12, Zha10a, ZT13b]. **hydroplaning** [VSC+11]. **hydrostatic** [ABPSM11, BF12, NNS11, UJ12]. **Hyperbolic** [MMT14, AK12, AAG14, BMS12, Bal14, BR11, BK14b, BD14b, CCD11b, CCK13, CAH14, CH10, DZLD14, EFT13, Fan14, FPN+13, Gra14, Guy13, HHS+13, HAH14, IDNG13, JS13a, KL12c, LRLL11, LR12, LB10, MA14, MCDT12, NKF14, PYK10, QL11, QL12, RHB12, TP12, TLNE10, YVL+11, Zen11, ZLCW14]. **Hyperboloidal** [Zen11]. **hyperelasticity** [FGN14, KD10]. **HYPERS** [OK12]. **hypersingular** [Le 14b]. **hypersonic** [DWZ10, KS13a, MMSI13, PPWZ11, SAHS14, SG13]. **hysteresis** [DL10c]. **HZETRN** [SBB10, SBT13].

IASI [HMOH11]. **IBC** [Ano10a, Ano10z, Ano10-27, Ano10-28, Ano10-29, Ano10-30, Ano10-31, Ano10-32, Ano10-33, Ano10-34, Ano10-35, Ano10-36, Ano10-37, Ano10-38, Ano10-39, Ano10-40, Ano10-41, Ano10-42, Ano10-43, Ano10-44, Ano10-45, Ano10-46, Ano10-47, Ano10-48, Ano11b, Ano11-27, Ano11-28, Ano11-29, Ano11-30, Ano11-31, Ano11-32, Ano11-33, Ano11-34, Ano11-35, Ano11-36, Ano11-37, Ano11-38, Ano11-39, Ano11-40, Ano11-41, Ano11-42, Ano12a, Ano12o, Ano12p, Ano12q, Ano12r, Ano12s, Ano12t, Ano12u, Ano12v, Ano12w, Ano12x, Ano12y, Ano12z, Ano12-27, Ano12-28, Ano12-29, Ano12-30, Ano12-31, Ano12-32, Ano12-33, Ano12-34, Ano12-35, Ano13m, Ano13n, Ano13o, Ano13p, Ano13q, Ano13r, Ano13s, Ano13t, Ano13u, Ano13v, Ano13w, Ano13x, Ano13y, Ano13z, Ano13-27, Ano13-28, Ano13-29, Ano13-30, Ano13-31, Ano13-32]. **IBM** [KBTD12]. **IC** [DZL13]. **ice** [CMG+13, JG13, LTS+10, LPE+11, LKT+12, LKLG14, LJX+14, LFLV14, PTM13]. **ice-ocean** [LFLV14].

ice-sheet [PTM13]. **ice-shelf** [PTM13]. **icosahedral** [iIT14, IX10, PB13a, Pud11]. **ideal** [BD14a, CLQX13, CRT14, HRT11, LXY11, LX12, SZH12, SIDG13, YVL+11]. **IDeC** [NS11a]. **identical** [CBGK13]. **Identification** [AGS10, BLM11, Kaz10, BCB12, BBF12, PM14]. **identities** [AINF13]. **IDO** [OAK11]. **II** [HH13, AP12b, ABK13, BHS14b, CHZ13b, DL13b, HH12a, JPC+14, KJWR14, LR12, LEH12, LB10, Nis10, PZG14, PRA13, SV13, SYY14b, YS11b, ZWL+12b, vdVR12b]. **III** [NL12b, Tyg10, UGkM13]. **ill** [CBPS13, JZ10]. **ill-conditioned** [CBPS13]. **ill-posed** [JZ10]. **ILU** [EL11, GM12b]. **image** [DXB+13, YCH+13]. **image-based** [YCH+13]. **imaging** [DR14, HMM+10, NLGL14, Par12b]. **imbalances** [SSR+13]. **IMC** [LGP14]. **IMEX** [LKLG14, GBNS14, KKLR10, KG14, Par10, WLW13b]. **Immersed** [FRP14, PNPF10, ABD14, ADSF13, BBGP14, BF13, Bre12b, CKS14, CHC11, CFKL11, CB10, CLS10, DP12, DGF14, FDHP11, GGH14, GF13, GH10, HL12b, HDD14, HKL14, HCS11, HCS12, HW14a, JYHT10, JMW12, KKP10, KSR+14, KF12, KLP10, KL10a, KLPS14, LT10a, LGP10, LKCY11, LY13a, LL12a, LSZ13, LH14b, MRD13, MVS13, MDH+10, MZB12, NTV14, SM11b, SM11c, SSC13, TLZ+11, TH14b, WZ11, WS10c, WYC13, Xu11, YS12a, YFL+13, ZF12, ZF14, CF11a, GCBH10, GCBH13]. **Immersed-boundary** [PNPF10]. **immersion** [WY11]. **immiscibility** [TFP13]. **immiscible** [Hys12, LRT13, dv23]. **impact** [BDMP13, BN13, CWL10, KSU13, LL10a, SKU13, SDH12, Zoh13]. **imparts** [BRVE12]. **impedance** [GJ14a, IK11, Lee14a, LHH14, SP11]. **implement** [SdAW14]. **Implementation** [AM12, HE14, LTC10, LPE+11, MF10, WLL13, BMD+13, BB13, BILM14, BERB+12, BDMV11, CFCA13a, CFCA13b, CNSFD13, CCB12, CDB13, FDHP11, FL13, GM12b, MTAC12, SLT+14, TWSN12, TPA+13, VWP11, WFK11, WD13a]. **implementations** [Ket10, NWLS12, OAKR14, Pri14]. **Implementing** [VSK10]. **Implicit** [DE14, PVLT10, PP14, SS12, Tit12, VF10, WLW13b, AV13, ASB10, BK11, Bea12, BSB14, CCD11a, CCB13, CCB11, CZ11a, CCB12, CC13, CCL+14, CPCU13, CP13b, CGP10, Cui12, DTG+14, DDF14, Den11a, DFFL10, DHH11, DGAH10, Fal13, FP14, Gen11, GMA10, GM10a, Gho17, GJ11, GMG12, HS13a, HL12b, HA11, Ian11, Jar12, JKW11, JSA14, JZ13, KK10a, KKvZB14, KGKS13, KG11, KTT13, KHHK12, Kuz14, Lan14, LXM14, LGP10, LY13a, LX13a, LXL13, LGP14, LL10b, MF14, MVCFM13, MBD13, MT14a, MTAC12, MN14, NYM13, NMCZ14, NPC11a, NPC11c, NDBG14, OM12, PGLT10, PGL11, PWB+14, PP12, RS10a, RGMC13, RPC14, SS10a, SZF12, SPB+10, SH11, SSHM10, SR13c, SK12b, SKt10, SN13b, TDU14, TBR13, WXY14, WMYYG10, WG11, WC14b, YVL+11, YC11, nZzS11, ZOL+11, ZYS14, LKLG14, Den11b]. **Implicit** [SPS14]. **implicit-Euler** [LX13a]. **implicit-explicit** [AV13, FP14, KHHK12, RGMC13, SSHM10, LKLG14]. **implicit-macroscopically** [PP12]. **implicit/explicit** [KK10a]. **implicit/implicit** [SKt10]. **implicitly** [LKM13, YW13]. **implosion**

[JNW+14]. **Importance** [DKH11]. **imposition** [UGF14]. **imprecise** [DMP14]. **imprinting** [PB13a]. **improve** [CS14c, CM13, DMP14, XCL14]. **Improved** [AA13, BV13, CWL10, GP13, iIT14, MS12, MGN11, Rot13, SM12c, Stu10, WW14, ADMA13, HKLY13, HCS11, KF12, PA14, SM11c, SY12b, SCC14, SLH+11, TR12, VXB14, WZZZ14, WTK14, WS10c, YZ12, YYB12, ZJW12]. **Improvement** [Ren11]. **Improvements** [PGA11, Nor13]. **Improving** [GHM10a, LTS+10, FSTY14, GHM10b]. **impulse** [TR12]. **impulsive** [Jin12, LXSR12]. **in-order** [KH11]. **Including** [CLG13, Gen11, Gho17, BBC+13, BD14c, DLM13b, Ger12, KM11, MGN12a]. **inclusions** [Par12b, SBA13, SLC+11]. **Incompressible** [BHS14a, BHS14b, LXSR12, ZMD14, APF13, BMP14, BNNW11, Boe11, BD11b, CIJS14, CCKCG10, CEP12, CP10, CXLF14, CB10, CLS10, CL11b, CJN+13, CDB13, CdCD12, DLZ+11, DP12, DF14, DS10, DS12, Don14a, Don14b, DKC14, EQYF13, FW12, FSL10, GLL14, HRK+10, HOK10, HF11, HHH13, JM12, KKAS12, KGG10, KKO13, KRT14, LDM14, LSBJ14, LVFK14, LMGS13, LLP10, MBS13, MDH+10, ML11b, Min13, MSB14, NPC11c, NL12b, NvdVB13, OA10, OP10, OM12, OS12, PMSH10, QS11a, RP13, RC12, RCvdV13, RHGT10, SS13a, SK12a, San13, SVK14, SHCY13, SLI10, STH11, SFCF10, SR11, SY11c, SHA11, SSL13, TY11a, TVEC12, Tyl14, VBCM10, Vre11, Vre14, WZ11, WSS12, WS10c, WTSZ10, WS11, XIIX14, XQX13, YCLK12, YSW14, Yin14, ZA14, ZBS12a, ZBS12b, ZHS10, ZWH+12, VV13]. **incompressible/compressible** [CP10]. **Incorporating** [CPJ11, YYY+14]. **Incorporation** [Mel11]. **incorrect** [OJ11]. **increase** [Ide12]. **incremental** [LEM11]. **indefinite** [RVbZ10]. **independent** [IH13, MSTL13, PMF13, RWX11, RB13, Sog14b, ST11a, ZHPS11]. **index** [CK11, MM12]. **indicator** [FSTY14, HKLY13, VR14]. **indicators** [LQ10b]. **indifferent** [GK14]. **Individual** [AKL+13]. **Individual-specific** [AKL+13]. **Induced** [SCB10, SM11b]. **induction** [RKGM14]. **inductionless** [BMP14, PBC11b]. **inelastic** [SSX13]. **inequalities** [BSS12, BSB14]. **Inertial** [NvdVB13, UPDB13, Dai13, Le 12, OTV13, TTR+12, WCM+14]. **Inexact** [NPV14]. **inextensible** [AELV14, FBM14, KL10a, RVB10]. **inference** [BND+12, EM12, JZ10, Val14]. **infiltration** [GCFJ13]. **infinite** [BS10a, HVD13, YD11, Yin14]. **infinitesimally** [YTYJ12]. **inflammation** [SMF+13]. **Inflow** [GHM13, GCA13, JCT11, JLC14, LDS11]. **Influence** [LTC13, DOR10, HDPF11, Liu11b]. **influence-matrix** [Liu11b]. **information** [FF13, RKM11, ZFJ11]. **Infrared** [HMOH11]. **inhomogeneous** [CKD10, LP14a, LRBT14, LQB14, PVDW14, SFCF10, YB14, ZTL13]. **initial** [GHM13, LWS14, LN14, MBS13, PBB14, RKM11, SN14, hT10b, Vai11, WLW13a]. **initial-boundary-value** [SN14]. **initialization** [FB11, MD14]. **initio** [SD14a]. **injection** [VDD10a]. **inner** [Zho10]. **inner-outer** [Zho10]. **input** [MZ11a, WZ14]. **inputs** [DO11b, KL14a]. **insect** [NL12a]. **Insights** [VCJ11]. **insoluble** [XYL12, XR14]. **Inspection** [Gas11]. **inspired** [RP13].

instabilities [CDT13, KL12b, SGC13, SHCY13]. **instability** [CF11b, DST14, DWZ10, DE14, GV14, HDPF11, Kwo14, MMSI13, MJ13b, VGCMG11, VCS14]. **instationary** [vVVK10]. **integral** [AH13a, AST13, AN14, BG10, BR10b, BRS10, Bre12a, BG12, BL13, CC12, CGMQ14, CGS13, Dri10, FHMS11, Gen13, GK13, GMC13, GHM14, GL12b, HK14, HHGC14, JM12, JRTY11, JKQ13, KS11c, KQ11, KTT13, KG12b, KNR11, Le 14b, Li10a, LL12b, LL14b, MST14, PSL20, QA11, RVB10, SRS10, SC11, Tak14, WJC13, XW10, YW13, YHM12, ZN10, ZIOF10]. **integrally** [Dri10]. **integrals** [BG13, KM14b, Men12]. **integrate** [Mar10a]. **integrated** [MDTC11, MDTC13]. **integrated-RBF** [MDTC11]. **Integration** [SGW10, AVKP11, Ala14, AMP14, CZ11a, CP13b, DCC$^+$13, GL14, GAW$^+$14, Gui12, HCP10, Ide12, JLZ13, JZ13, KK10a, LKLG14, LCK11, LN10c, MF12, MYM12, MNS13, NT14, RH13, SdAW14, TQW14, WZN14, Web14, YVL$^+$11, ZJS15, ZOL$^+$11]. **integrations** [SKW14, ZHS10]. **integrator** [AV13, BM10b, CTP13, HT14, LHK12, TLG10, TAAY14]. **integrators** [BRVE12, CK11, CMO14, CHHS11, GNGAS10, GBNS14, HDHZ13, KHZ10, ML14a, OBTC$^+$13, WWS13b]. **integrin** [JJM13]. **integrin-ligand** [JJM13]. **integro** [Dri10, YXZ13]. **integro-differential** [Dri10, YXZ13]. **intensity** [RKD$^+$14]. **inter** [RE13]. **inter-scale** [RE13]. **interacting** [AD14, OTV13, VSC$^+$11]. **interaction** [BK12a, BC10a, BW13, BBGP13, BCG$^+$13, CKS14, Deg11, DG12, DGAH10, DEKBF14, FL14, FRP14, FG12, FP14, GCBH13, HCS11, IBO14, KVM12, LS13a, LJG14, MMH12, NL12a, NPV14, OM12, PB11, Ric13, RMSF11, SZ11, STC10a, SM12c, TLZ$^+$11, TDL$^+$14, Unf13, VRB10, WY11, WYC13, WC14b, ZF12]. **interactions** [Atz11, CHC11, CKD10, DXB$^+$13, GM12a, GKF11, HRBK10, Lap11, PHSA14, RUL$^+$13, RZ10, RKD$^+$14, RWMG11, WKL$^+$14, YL11, YS12a, YBK13]. **Interactive** [BGBR12]. **Interconnect** [DL10a]. **interconnecting** [XJ14]. **Interface** [DK14, FS10a, SS12, AELV14, Ala14, Ald10, BB12a, BHS14c, BH13b, BB13, Bea12, BR12a, BF13, CN12, CDT13, CW10, Deg11, DjY14, DFD14, EC13, ELM14, FG12, FK14, GMB10, Gao13, GW11, GK14, GGT13, HHA14, Her10, HS13b, HDD14, HSWZ13, IST$^+$12, IXX14, IKO$^+$14, JSA14, JLZ13, JH12, KK14, KSU13, KKP10, KT14, KTT13, KGSS10, LP13b, LL12a, LSZ13, LFRM10, LH10d, LZZR10, MW12, MNR11, MRD13, MDH$^+$10, Min13, MZB12, MWW$^+$13, NZ14, NKF14, OD13, Qua11, Sam14, SN13a, SM11c, She13, SKCC10, SCC14, SPF10, Shu14, SX14, SHA11, SHA12, Sog14b, SS13b, SS14b, SdAW14, SD14c, TSLV11, TFP13, WS10b, WK13a, XZWW12, Xu11, ZCD10, Zha10b, ZLH12]. **interface-aware** [BHS14c]. **interface-capturing** [JH12]. **interface-enriched** [Sog14b]. **interface-immersed** [HDD14]. **interface-tracking** [BR12a]. **interfaces** [BF14, BD10b, BWC11, BvBZ$^+$10, BDH13, DvW14, GGH14, GL12b, GHL14, HWST12, HLZ14, HWW10, ID10, KL10b, NZ14, PS14a, PS15, PJCS14, UGkM13, XZW11, ZL10, ZJL$^+$14, Zha10b]. **interfacial** [AT13b, BS10b, CDT13, CL14b, CZ11b, Fuj13, NCKN10, SSHT14, WZT$^+$14, ZYF$^+$10]. **Interferometer** [HMOH11]. **Interior**

[HLY11, DL10a, EGL+13, JMKK12, LRL10]. **Interlocked** [Mét11]. **intermediate** [PDC13]. **internal** [Bal14, BL11, CGJ11, JYHT10, PLBR13, VED13]. **interpolated** [CLS10]. **interpolating** [dlLPCP12]. **Interpolation** [GM11b, GWCA14, LB14, WG14, BR10a, BBC+13, BRSS11, BY11, CEGG14, CJM13, DSHP11, FS10b, KBRM12, KM14b, sLwG10, LSVW10, LCB12, LBS10, Mar10a, MSD12, PDSS10, dCRCS10, Soa13, Tak14, XY14, ZZB14]. **Interpolation-based** [WG14, Tak14]. **interpolations** [LTC10]. **interpretation** [ABPSM11]. **interpretations** [ANIF14]. **interrogation** [LFRM10]. **interval** [LJ13b]. **intrinsic** [Atz10, OLC13]. **Introducing** [ZA14]. **introduction** [CMO14]. **Intrusive** [TLNE10, AC13, NV14, PL12]. **invariance** [Del14, SS14a, WC11]. **invariant** [BN14b, LJ13b, WZT+14, ZS14]. **invariants** [SGL14]. **Inverse** [DR14, IK11, Lee14a, TS10, WKMJ13, AS14, CNR11, CLN14, CB12, CXZ10, CV10, EWH14, FY13, GJ14a, IWG13, IJZ13, JR12, Jin12, KL11a, LLZ14, LLW14, Mét11, MB10b, TWSN12, WdHX10, WK13b, YLW10, ZM14, HG10]. **inversion** [LWD13a, LWD13b, OBNN13, OBNN14, WLPG11]. **investigation** [CIJS14, CG13b, LRT13, OLFS13, Ste14, dv23]. **investigations** [Ian11, PPTMDK13]. **inviscid** [ALR11, CCLS10, CF11b, LLX11a, NHE14, SLI10, TS11, YSW+13]. **invisibility** [FGE11]. **involving** [DLC11, DS12, FK14, GBB+13, TDL+14]. **ion** [AiINT14, BGGW13, BHBM10, HH12b, HH13, LTC14, MTSG12, PMS14, Tok11a, ZCW11]. **ionic** [CEK14]. **ionization** [CCMG+13, KM11, MPPP12b, MPPP12a]. **ionized** [Gio10, KA12, PMS11, PSM11, PSM13, PMS14]. **ionosphere** [TRSMM+13]. **ionospheric** [DST14]. **ions** [LH13]. **irregular** [AAI10, AT13b, BvBZ+10, GM12b, HG11, HWST12, JMGN13, MTG11, SR11, TDVG13, Tsu10, WTYC13, ZYT13, ZWH+12]. **irregularly** [BH13c]. **ischemia** [WKMJ13]. **Ising** [KO12, LWZ+13, MMM11]. **iso** [GRS14]. **Isogeometric** [ABKF11, BAB+13, BLA+14, BSV14, EH13, LDE+13, BGGW13, BA10, CRS12]. **isoparametric** [VQVD11]. **isoperimetric** [WG11]. **isothermal** [LGE+13, PL14]. **Isotropic** [SG14, TAAS13, BCL14, GHM12, MS14b, OBT11, OTV13, WWX+10]. **Issue** [Ano13-41, Ano13-42, AQ11, Ano10-49, Ano10-50, Ano10-51, Ano10-52, Ano10-53, Ano10-54, Ano10-55, Ano10-56, Ano10-57, Ano10-58, Ano10-59, Ano10-60, Ano10-61, Ano10-62, Ano10-63, Ano10-64, Ano10-65, Ano10-66, Ano10-67, Ano10-68, Ano10-69, Ano10-70, Ano10-71, Ano10-72, Ano11-43, Ano11-44, Ano11-45, Ano11-46, Ano11-47, Ano11-48, Ano11-49, Ano11-50, Ano11-51, Ano11-52, Ano11-53, Ano11-54, Ano11-55, Ano11-56, Ano11-57, Ano11-58, Ano11-59, Ano11-60, Ano11-61, Ano11-62, Ano11-63, Ano11-64, Ano11-65, Ano11-66, Ano12-36, Ano12-37, Ano12-38, Ano12-39, Ano12-40, Ano12-41, Ano12-42, Ano12-43, Ano12-44, Ano12-45, Ano12-46, Ano12-47, Ano12-48, Ano12-49, Ano12-50, Ano12-51, Ano12-52, Ano12-53, Ano12-54, Ano12-55, Ano12-56, Ano12-57, Ano12-58, Ano12-59, Ano13-33, Ano13-34,

Ano13-35, Ano13-36, Ano13-37, Ano13-38, Ano13-39, Ano13-40, Ano13-43]. **issue** [Ano13-44, Ano13-45, Ano13-46, Ano13-47, Ano13-48, Ano13-49, Ano13-50, Ano13-51, Ano13-52]. **issues** [MA13, NMT+12, VLM13]. **Itô** [HHGC14]. **iteration** [ADMA13, BK11, CXZ10, Par12b, ZCS14]. **Iterative** [BHK+10, CJ14, SSS11, ZRM13, AH13a, AK12, CBPS13, CGJ11, DL10b, EMS11, EWH13, HJ11, HKJ11, HL12a, JMW12, JHDC10, JMKK12, LSE13, LYJ14, LGP14, LTL11, MP13, PL12, RT14, Ren11, RVbZ10, Sha13, SS14c, SV10, Tok11b, WD13b, WTK14, XH13, YD11, YM14, Yao14]. **Ito** [ZYLK13]. **IV** [ZMD+11].

J [ASS17, CFCA13a, Dav15, Gho17, HY11, LWD13a, NHT+13, OBNN14, PS15, SYV17, SS14b, TK15, XMDG14, YKWS13a, ZJS15]. **Jacobi** [And13, CW14b, DBAV14, HWHW10, LP14b, YO11, YM14, ZQ13]. **Jacobian** [LFLV14, BDTW10, CTP13, GL12a, Han11, LTS+10, LPE+11, LKT+12, LvZB10, PMMB14, SV13]. **Jacobian-free** [LFLV14, BDTW10, CTP13, GL12a, Han11, LTS+10, LPE+11, LKT+12, LvZB10, PMMB14]. **Jacobians** [RPC14]. **Jameson** [AGBC14]. **Jameson-Schmidt-Turkel** [AGBC14]. **JCOMP** [MPPP12b]. **Jenny** [Dad12]. **jet** [SSS11]. **jet-noise** [SSS11]. **jets** [CMS10a, SY12c]. **JKD** [BCL13]. **joint** [BND+12, VK12]. **Jones** [KM14b]. **Journal** [Dad12, EH15, HSK+15, XS15, Try12]. **JST** [AGBC14]. **jump** [KMHJ10, MNR11, ZL10]. **jumps** [FGR12, FMT11b, MP13]. **junction** [Li13]. **JVIE** [PVDW14].

KADATH [Gra10]. **Kalman** [BGM12, GLM14, HMM14]. **Kantorovich** [CDF11]. **Kapila** [KK10c]. **Karhunen** [PSDF13]. **Kelvin** [CF11b, Gri13]. **Kendall** [Tan11]. **Kernel** [MZ11a, HD13, HK14, YXZ13, YW13, ZHPS11]. **kernel-free** [YW13]. **kernel-independent** [ZHPS11]. **kernel-split** [HK14]. **kernels** [MSD12]. **kind** [JRTY11, JKQ13, KS11c, PSL20]. **kinematic** [LLJ10, MMHA+12, WT12b, WSW13]. **kinematic-wave** [WT12b]. **kinematics** [NW12]. **Kinetic** [ABPSM11, DBO+10, MSS+14, ZGSZ10, AP11, AP12b, AHOT14, AKP+12, BWMG14, Cha13, CJLC11, CXLC12, DDM10, DL13a, DL13b, ES13b, FJ10, FR13, GCA13, GJLY13, GH12b, HAD10, KA12, KHJ+13, KGK13, KSB14, LE13, LXF10, LLX11a, LYXZ14, MMM11, MOV12, Mie13, Mit13, NKSR12, OAXL13, PZTW12, PLT14, SBC+14, SR13a, SLI10, Sza12, TDU14, VCS14, XH10, XX13, YSW+13, YSW14, YF11, ZA14, ZKV10, Lip12, MHL+14]. **kinetic-fluid** [DDM10, GJLY13, KA12]. **kinetic-moment** [GCA13]. **kinetics** [DR11, LRS10, NS14a]. **Klein** [BB12b, VBSK10, VW14b]. **Kleiser** [Liu11b]. **knife** [AV13]. **Knudsen** [FF13]. **Kohn** [LSE13, FGZ12, LLYE12a, LLYE12b, MNL+13, SL13a, SBO11, ZCS14]. **Kolgan** [Rod12, vL11]. **Korteweg** [LGE+13, YHL13]. **Krause** [YWS13]. **Kronecker** [GHDS10]. **Krook** [MWRZ13]. **Krylov** [YJK12, AD14, BDTW10, CFW+13, CGG12, CZ11a, CCL+14, DRZ14, GL12a, Han11, JZ13, LTS+10, LPE+11, LKT+12, LFLV14, LvZB10, LL10b,

MS10a, PMMB14, SEDW13, TS14, ZD10, vVVK10]. **Krylov-based** [CCL+14]. **krypton** [KM14b]. **Kullback** [BK12b]. **Kutta** [MBA14, WLW13b, AV13, BMD+13, BGR11, BR11, FP12, Ian11, KKvZB14, Ket10, KHHK12, Lan14, LP14a, LLH10, NYM13, NMCZ14, NDB12, RT14, RHXQ14, RA10b, SK12a, San13, SLT+14, SK12b, Tok11b, TD11b, TD12b, WS10b, XCL14, ZT13b, ZS13, ZZSQ13, vdVR12b]. **Kutta-Legendre** [MBA14].

L [EH15, XS15]. **LABSWE** [Zho11]. **lacunae** [PT12]. **laden** [Bre12b, CD13a, KF12, KBB13, MB11, VdMS+14, ZF14]. **lagged** [SS10a]. **Lagrange** [BCD14, CD13a, RHGT10, Wal13]. **Lagrange-remap** [BCD14]. **Lagrangian** [HAQ12, Ald10, AH10a, Atz11, BHS14c, BAB+13, BLA+14, BBG+11, BR12a, BRSS11, BD14b, BBD14, CK11, CdCNH14, CS12a, CEP12, CS10, CS14a, CS14b, CGMQ14, CDLL12, CSC14, CMS10b, Del11, DL12, DKR14, DF10a, ES13a, GT12, GIQ11, GH12b, GQ13, HLM11, Her10, IL11, Ion13, JZ11, JGZL14, KBS14, KD10, KS12, KS14, LNU10, LGF11, Li13, LHB10, LS10b, LSVW10, LMS+10, MAB+13, MRD13, MVS13, MVG+12, MKB+13, MLBK14, MV13, MHGM14, OS11b, OS14, PRA13, PB14a, QC10, QS11a, QS11b, RSS12, RS11, SSB13, SZF12, Sco12, SYL10, SB12, SP14b, TS12, TBR13, VW14a, VXB14, VMA14, VBCM10, VSC+11, VdMS+14, Wan10, WPP10, WYS12b, WD11, WYC13, XQXC14, ZS14, Zer10]. **Laguerre** [Sal14]. **Lamb** [GP13, GD13]. **laminar** [LH10b, RK14, TAD14, Tyl14, vVVK10]. **Landau** [JY11, RSS10, SV13, TAT14]. **Lane** [xLqW13]. **Langevin** [BRVE12, DCC+13, HT10a, KJC13]. **Langevin-like** [BRVE12]. **Langmuir** [MCJ14]. **LANGUAGE_ED** [Ano12-31, Ano12-33, Ano13-31, Ano13-32]. **Laplace** [BR10b, FCY13, HLW13, SF14, SYL12]. **Laplacian** [Ost10, TAAS13, TDL10]. **lapse** [BLM11]. **Large** [BA10, Hel11a, LT10a, OBT11, OAK11, SZ10, SSK+12, And10, ADSF13, BGGW13, BPS14, DV13b, DS12, Du11a, DSZ13, ES13a, FGR12, Fat10, FMT11b, GLSC12, GW10, HA11, JLS+14, JK10, KSL10, KSB12, KEGM10, LFL11, LG14, LS10a, LBRA+13, MS10a, MS14a, McD14b, MHGNM12, MMH12, NW10, NNS11, OAKR14, OL13, PGLT10, dlLPC10, dlLPCP12, QL11, QL12, RG13, SFCF10, TDL+14, TRL14, VKBK11, WDP+14, WIJ13, XDZ+14, YB14, Zho10, CP13a, Den11a, MDH+10, MHHGN14]. **large-displacement** [MMH12]. **Large-eddy** [OAK11, BGGW13, DV13b, GW10, KSL10, KSB12, MS14a, McD14b, OL13, dlLPC10, dlLPCP12, RG13, SFCF10, TRL14, Den11a, MDH+10]. **Large-scale** [OBT11, SSK+12, LG14, LS10a, MS10a, OAKR14, XDZ+14]. **large-sized** [JLS+14]. **laser** [CCMG+13, CKD10, CBCM+11, DGAH10, MdVBS13, RKD+14, SSR14, VGCMG11, YXD+14]. **laser-matter** [RKD+14]. **laser-plasma** [CKD10, CBCM+11, DGAH10]. **late** [OMCO14]. **lateral** [KJ11]. **Lattice** [CSB14, CLAL14, LL10a, LVZK14, MB10a, SMP+13, WZG+13, YN14, Zho14a,

APGL12, BBAP14, BSDM12, CB11, CLZ12, CHKT13, FSL10, Gil13, Gra14, GWCA14, HE14, HW14a, HHL14, HW14b, HCM10, IF10, JYHT10, KH13, KMA13, KJC13, LMLC12, LRT13, LMK13, LZC+13, LZV12, MD13, MS14a, MZ11d, MZ14, ML11b, NSA11, NKSR12, PPB14, RK14, RS10a, SSC13, SS14a, TAAS13, TLZ+11, TRL14, VMS11, VMS12, VS14, VM10, WK10, WZT+14, WC11, WS10c, WS11, XS13, YYY+14, YZ12, YN10, ZGSZ10, ZF14, dv23, vTCL+10, CL13, Del13, Del14, FRP14, Mel11, MVS13, SHFB12, VS11]. **Lattice-Boltzmann** [CLAL14, MB10a, GWCA14, MD13]. **lattices** [CCC12, Del14, GM10b, KGKS13]. **law** [DMT+11, GLL14, HLLW11, MN11, DMM+13, PSM11]. **laws** [BMS12, Bal12b, Bal14, BK14b, CCD11b, CCK13, CDL11, CLS13, DZLD14, EFT13, Fan14, FCN+13, FC13, GAV13, GPP11, HHS+13, HAH14, IDNG13, JS13a, Kri10, KL12c, LRLL11, LR12, MSS12, MNS13, MLM12, NF12, Par12a, PYK10, QL11, QL12, RSS13, SABH11, SHZ13, TS10, TWSN12, hT10b, XLD+11, XCL14, ZS10a, ZWL+12a, ZWL+12b, ZLCW14]. **Lax** [CCK13, FY13, GL14, HSZ10, HLZ13, LQ11, TS10, TWSN12]. **layer** [AKMD14, BBCH+12, BS10a, CCD11a, CVI+13, DLC11, DWZ10, Dur14, FL13, KKS13, KBGO13, LH10a, LBT11, LMQ+11, MMSI13, MBL+14, MMIW14, NMZC13, NMCZ14, SF12, SDH12, WQCS13]. **layered** [AN14, ABS+14, CC12, Dur14, HNS12, Li10a, LTC14, STD14]. **layered-media** [AN14]. **Layers** [MJ14, BDT10, FL14, HJK14, KAA12, LN10a, Man12, MSTL14, RVbZ10, RS10b, SSM14, XS13, Zen11, vDS12]. **LBM** [XS11, XMS12]. **LCP** [CVN13]. **leads** [BK11]. **leak** [GF13]. **leak-proof** [GF13]. **leaky** [YFL+13]. **Leap** [HT14, SWX12]. **leap-frog** [SWX12]. **leaping** [FWP13, YR13]. **learning** [Phi14, RKM11]. **Least** [ADB14, CD13b, CXLF14, OS12, ABL+11, BS11b, HGW11, HMM+10, HY09, HY11, JMFO13, NOT14, PR11, WHB14]. **Least-Squares** [CD13b, OS12, HGW11, HMM+10, HY09, HY11, NOT14, PR11]. **least-squares/finite** [HGW11]. **left** [LS13a, MNKS13]. **Legendre** [MBA14, KGG10, Ols12, QZM+12]. **Leibler** [BK12b]. **length** [CG13a, Cou11, JR14, KS13b, Qua11]. **Lennard** [KM14b]. **LES/PDF** [VWP11]. **LES/RANS** [XJ12]. **Leslie** [CTSM13]. **less** [IK11, LD12, OBT11]. **less-than** [LD12]. **Letter** [HAD10]. **Level** [CKS14, CLW10, CV10, ILM+13, RB14, ZLL10, ABD14, BOD11, BW13, BH13b, BILM14, BV14, BGG12, CCFCM11, CP12, CZL10, CWL10, CF11c, CKR14, DCVM11, ELM14, FB11, HZ11a, HMS10, HCS+10, HQL+10, Hys12, JCC14, JS13b, KAFB11, LSM14, LP13a, LDM14, LWF11, LZZR10, MCLG10, MD14, Min10a, MSS12, MHGM14, NRS10, NW10, OP10, OD13, PHRG13, SOG14a, SM11a, Sam14, SN12, Sha13, SJ10, SKR14, SS14c, VDD10a, VB13, WABI11, WSS12, WJTY10, WZ10, XYL12, XR14, YYY+14, YL14b, ZT10a, fZlC11, ZWL10, ID10]. **Level-set** [CLW10, ZLL10, BOD11, BGG12, CB10, MCLG10, TVEC12, XYL12, XR14, ID10]. **level-sets** [ABD14]. **Leveraging** [WTK14]. **Leverett** [MJM13]. **Levin** [STD14]. **lid** [MAPP13, RTS13]. **lid-cavity** [MAPP13]. **Lie** [CMO14, CHHS11].

Lie-symmetry-based [CHHS11]. **lift** [SL13b]. **lifting** [CN12]. **ligand** [JJM13]. **light** [BHS13, IFD+12]. **light-scattering** [IFD+12]. **like** [BI11, BRVE12, CR14, Don10, FDHP11, LL14a, LZZS13, MLBK14, Par12b, TK12, TK15]. **likelihood** [MOV12]. **limit** [CJNS12, CTG12, DDS12, GH14, KWHD12, Mie13, RS13b, RS14b, SLI10, VP10, WHB14, WIJ13, WJTY10, YR13]. **limitations** [BCM+11]. **Limited** [KG12a, AA13, BS14b, Nor14]. **Limited-area** [KG12a]. **limiter** [DFNNRdlA14, ICC+10, WP10, XQX13, ZS14, ZT13b, ZS13]. **limiters** [GD10, GL12a, GTSC14, LRLL11, LR12, ZQ11, ZZSQ13]. **limiting** [DZLD14, Ger12, KKL10, KMSS10, Kuz14, MMD+11, PYK10]. **limits** [ARF12, DWL10]. **line** [BSSW12, Coa12, GW12, GW14, HGW11, Per13, RB14, SN12, SSC13, XR14]. **line-based** [Per13]. **Linear** [ABHS12, LZZS13, AC13, Abr10, AHOT14, AH13b, BD10b, BRS11, BGM12, Cap11, CH10, DOR10, DEKBF14, FPN+13, FN14, FVR13, GJ11, GGT13, Guy13, HR10, Ide12, JHDC10, JTXZ12, KJ11, KNR11, LLW14, LJ13b, LM13, MN12, Mie13, NL10, NvdVB13, PDZ+14, Pie12, Ren11, RLPM12, SBWF14, SV13, SHZF12, TDVG13, VDP11, WL11, XFB+14, ZKV10, ZWH+12]. **linearised** [MBS13]. **Linearity** [WDGY10, WGD12]. **linearity-preserving** [WGD12]. **linearization** [FAY+13, PR11]. **Linearized** [CD10, Chi12, HSD11, HDD12, MMR12, RBS12, SLGB12, SGL14, dPSS12]. **Linearly** [GJ11, BLJ11, CNST13, PSF+14, WXY14]. **liners** [GB14]. **lines** [SS13c]. **Link** [AOCR12, OAKR14]. **Link-wise** [AOCR12, OAKR14]. **linked** [CVC12]. **linking** [WQCS13, ZKKF10]. **Liouville** [CT13, HAMA14, JR12, ZK13]. **lipid** [SM11a, SBA13]. **Liquid** [LNS13, BGGGS11, BDH13, CTSM13, DLDL10, HMHO13, HW14a, JLS+14, KLMJ12, LT10a, LW11, MM12, SY12c, SSY13, STC10b, TK12, TK15, VDD10a, YFL+13]. **liquid-gas** [DLDL10, HMHO13, LNS13]. **liquid-liquid** [MM12]. **liquid/liquid** [BDH13]. **liquids** [ZHW10]. **load** [SSR+13]. **Lobatto** [DBAV14]. **Local** [AAT+14, AH10b, BM14, CWL13, CW13, EGG12, FL10, GS11b, HLDP14, KRT14, XXS10, YDN10, ZQ11, BZ12, BS10a, BSS12, BGG12, CSX14, DTG+14, EGW11, EAG14, ELM14, FLM12, GDHM11, GPCE13, GP12a, Gri12a, GZQ13, GXX14, HRBK10, JMGN13, Kri10, LGP10, LJX+14, LLYE12a, LLYE12b, LR13, LBM14, MDTC11, NRS10, RV10, SPM+13, SEBG12, WAM14, WTYC13, WT14, YO11, YR13, ZHS10, JWV12, SYJ11]. **Local-global** [EGG12]. **Local-in-time** [YDN10]. **localization** [DDM10, WKMJ13]. **Localized** [LK14, NT14, CSKP10, DD12, KSL10, MD14]. **Locally** [BCHM14, CWZ+11, DFFL10, ZHY13, AELV14, EAN11, FJ12, MT14a, RVB10, SKU13]. **located** [SLI10]. **locking** [LSZ13, MMHA+12]. **locking-free** [LSZ13]. **locomotors** [KST10]. **Loève** [PSDF13]. **Logan** [BY11]. **logging** [PMM+11]. **Long** [AVKP11, LBR14, PA12, CGJ11, GAV13, LCNK10, MS14b, SC12]. **Long-range** [PA12]. **Long-time** [AVKP11, LBR14, MS14b]. **longitudinal**

[BCG+13]. **loop** [ADMA13, MRS14b]. **Lorentz** [VGCMG11, YXD+14]. **Lorentz-boosted** [VGCMG11]. **lossy** [SVS11, She13, VBSK10]. **Low** [DST14, KHGW13, NGV14, Val14, AHS14, And13, APC11, BFSVC14, BCD14, CJNS12, CJLC11, DLDL10, Del10, DKA12, GKG+13, GW10, GVV13, HGSK+13, HKM12, HK11, KVM12, KKP10, Lee12a, MCA+13, McD14b, MKB+12, MBD13, Mor10, NYM13, NL12b, NDB12, NNS11, Ran11, Ran12a, Ran12b, Rie10, Rie11, SRN10, SM11b, SCB10, SKt10, SRL+11, VSK10, WYS+11, WAM14, XS11, XW14, YYB12]. **low-** [VSK10]. **Low-diffusion** [NGV14]. **Low-diffusivity** [KHGW13]. **low-dispersion** [NYM13, XS11]. **low-dissipation** [HK11, NYM13, XS11]. **low-frequency** [SKt10]. **low-Mach** [BFSVC14, GVV13, McD14b, Mor10, Rie11, SRN10, SM11b]. **low-order** [WAM14]. **low-power** [GKG+13]. **Low-rank** [DST14, Val14, Ran11, Ran12a, Ran12b]. **low-storage** [NDB12]. **LS** [CB10]. **LU** [BMP14, PVLT10, PGL11]. **Lubrication** [LHV13]. **Lubrication-type** [LHV13]. **lumpectomy** [GSTB13]. **lumped** [AST12, DL10a]. **lung** [Mit13, YCH+13]. **LVAD** [MNKS13]. **LWR** [BLM+14, SSR+13]. **Lyapunov** [CRK12, CG13a, Leu11].

M [EH15, XS15]. **M1** [OHF12]. **Mach** [APC11, BFSVC14, CJNS12, DLDL10, Del10, GW10, GVV13, HGSK+13, HKM12, Lee12a, McD14b, MKB+12, MBD13, Mor10, Rie10, Rie11, SRN10, SM11b, YYB12]. **machines** [JFC+13, MMM13]. **macro** [DLNN12]. **macromolecular** [LBRA+13]. **macromolecules** [ORHH13, XFC+14]. **macroscale** [SS13c]. **macroscopic** [IF10]. **macroscopic-gradient** [IF10]. **macroscopically** [PP12]. **MADS** [SRN13]. **Madsen** [OBT12]. **magnetic** [BM13a, EAG14, FMM+10, GLL+11, HH13, KST13, Kaw13, LXY11, LRN13, NLGL14, NL12b, SCB10, Web14, ZJS15]. **magnetic-to-electric** [EAG14]. **magnetically** [Jar12]. **magnetized** [MMA13, TD12a, VCS14]. **magneto** [SR13c, TG14a]. **magneto-hydrodynamic** [TG14a]. **magneto-hydrodynamics** [SR13c]. **magnetodynamic** [GLL+11]. **magnetoelastic** [BWS10]. **magnetohydrodynamic** [Bal10, Bal12b, FM13, HRT11, Jar12, LT12, MLBS14, SCB10, VKBK11]. **magnetohydrodynamical** [BMD+13]. **magnetohydrodynamics** [ASB10, BCP13, Bal12a, BD14a, CRT14, DTG+14, Del13, DFNNRdlA14, Kaw13, KMvM+12, KB14, Lee13, MTSG12, Pri12, SZH12, TP12, WFK11, WKH10, YVL+11, YJK12, ZYS14, Zie11]. **magnetostatic** [LMBB11]. **major** [CM13]. **MaMEC** [vV12]. **management** [TE14]. **manifold** [LRS10]. **manifolds** [LS13c]. **Manufactured** [WCM+14, BHL12b, GAW+14, SHM12]. **many** [AJG+13, EHA14, KKPV12, SD14a]. **many-body** [SD14a]. **many-particle** [AJG+13]. **map** [LBR14, MTAC12]. **mapped** [CCB13, CDHM11, Shy10]. **mapping** [BY11, He13, Phi14]. **maps** [EM12, MPS+14]. **marching** [sLwG10, MCD14a, MY14, RS13a]. **marine** [BPM13, CMG+13, JG13, SF14]. **marker** [DKW10]. **marker-particle**

[DKW10]. **Markov** [KSS14, LC13]. **Mass** [PvDtTB+11, vV12, APF13, APGL12, ABS+14, BK12a, BNT14, BRS13, GGH14, GK14, HSK+15, HHL14, IL11, KJ11, LJX+14, LSVW10, LJG14, MGJZ10, PP14, SN13a, SM11c, SLI10, SWR11, TS12, Zad11, Zer10]. **mass-conservative** [HSK+15, SN13a, Zad11]. **mass-conserving** [HHL14, TS12]. **Massive** [ARF12]. **Massively** [AJG+13, NIN+14, HOK10, ITO+10, MMM13]. **Massively-parallel** [NIN+14, ITO+10]. **MAST** [AST12]. **MAST-edge** [AST12]. **master** [HLDP14, JU10]. **Matched** [MJ14, CVI+13, Dur14, FL13, GW11, HJK14, KKS13, KAA12, LH10a, LN10a, NZ14, SSM14, SF12, Zha10b, ZLH12]. **matching** [CZL10, KIG11, SCIE14]. **Material** [ZMG11, AT13b, BP13b, CW10, CS14a, CJP+14, FGR12, FAY+13, FK14, GMB10, GL12b, GHL14, JLZ13, JH12, KSU13, KBSV14, KGSS10, KS12, KS14, LX13b, MGJZ10, MMHA+12, SSHT14, SC10, Wan10, XZW11, ZJT10]. **materials** [AJV11, ASGW11, BM13a, DLC11, DFW+10, GG13, HBZL14, SSB+12, ZBS12b]. **Mathematical** [SY11b, BBGP13]. **Matlab** [KA13]. **matrices** [AM13, And10, DS12, SY14a, SHZF12, ZT10b]. **Matrix** [Opp13, RJG10, WIJ13, Boy13, Brü13, DB12, HP13, HHGC14, HPLS10, HWW10, IFD+12, Kim13, LTSH10, LWD13a, LWD13b, LLY11, Liu11b, OM12, SR13c, WT12a, YS12b, SBN12]. **Matrix-free** [WIJ13, OM12]. **matrix-vector** [LLY11]. **matter** [RARO13, RKD+14]. **matters** [LG14]. **maximization** [AETT11, EHA14]. **Maximum** [ZZS13, FLM12, MT13, NMV13, RPA13, Rot13, VL14, XQX13, XQXC14, ZS10a, ZY13]. **maximum-entropy** [FLM12, MT13, RPA13]. **Maximum-principle-satisfying** [ZZS13, ZS10a]. **Maxwell** [Wol12, AAT+14, AM11, Bér11, CWS13, CXZ10, CAH14, CCZ14b, CCY13, DDS12, DLC11, DZL13, DTYY14, EAG14, GG13, HR10, HJK14, HJZ14, HLY11, HLYS11, JMFO13, KHZ10, LRL10, LLP14, LY13b, LSW14, LBM14, NPC11b, PT12, PMSM12, RM12, SML13, SF12, SP11, ST11b, SS10d, TWMM14, TCL11, TEY12, WA12, WXZ10, XJ14, ZD10]. **Maxwellian** [HT10a]. **MBN** [SBS+13]. **McCormack** [Sza12]. **MCore** [UJ12]. **MD** [MD13]. **MDCT** [YCH+13]. **mean** [BDM13, FS10a, Gil13, BW14]. **means** [KL10b]. **measurement** [LLSW14]. **measurements** [BPM13, PMM+11, SCIE14]. **mechanical** [GP12b, MPT13]. **mechanics** [ALS+14, ABHS12, GBC11, JHDC10, MNKS13, NP12, NKS10, OLPM14, iT14]. **mechanism** [BRS11, MZ14, Rie10]. **Mechanisms** [RBNS+12, BJLR14, Nag14a, Nag14b]. **media** [AN14, AST12, BHM13, BCL14, CTP13, CZ13, CSW14, CL11a, CC12, CSX14, Coa12, DM13, DFVY14, DL10b, DCVM11, Dur14, DV14, EGG12, FR13, FJ12, GPCE13, GCE14, GD10, HSK+15, HZ11b, HLY11, JS13b, KFOS14, LMFH11, LP12b, LTC14, LW13b, LQB14, LE12, MZ11b, MdVBS13, MSTL13, MTD14, MF13, MJM13, MMJ14, NZ14, OJ11, OP10, OK13, PM14, RBB12, RCCC14, dCRCS10, STD14, SKN13a, SG10b, SG10a, SG12a, SG12b, SGS13, SGC13, SHCY13, SVS11, She13, SKN13b, SLC+11,

SRS14, STD+10, TLG10, TL13, WXZ10, WT13, WHT14, WLW14, WSBG10, YD11, YL10, Zad11, ZM14, ZVNM10, ZYHW13, ZHY13, Zha10b, ZTL13]. **mediated** [ZM10]. **medicine** [SR13b]. **medium** [BRS12, CB12, CW14a, GCFJ13, IJZ13, Li10a, RM14, WS10b, WK14, XL11, ZYT13]. **melt** [KBTD12]. **membrane** [FLM12, JJM13, iT14]. **membranes** [PRA13, SBA13, WJCG13]. **memory** [BH13a, NS11b]. **Merging** [Lip12]. **Mesh** [DMMGM14, KS11b, ABD14, AIX10, ABMT14, AW14, BWC11, BWC13, BCK11, BDA12, BUH11, BBPC14, BCW13, CL10, CDF11, CGG12, CXLC12, CY14, CMG+13, DH10, Del11, DF10b, DZHB13, ETW10, FL11a, Fuj11, GWCA14, HHL11, HB13, HKL10, JLY10, KWSJ11, KF13a, KG13a, KD10, KG14, LGP10, Lee13, LH10b, LH10c, LN10c, LX13b, LBM14, LDA10, LLS11, LCB12, MAPP13, MPR12, MVG+12, MMH12, NL12b, NW10, PB13b, PWB+14, Phi14, Qua11, RA10a, SVK14, SZF12, SQC11, SYY14a, SYY14b, SSW13, Sog14b, SBO11, SS10e, VRB10, Wan10, WR11, WG11, XZWW12, XJ12, YCY11, YD12, ZBS12b, ZJW12, ZL13, Lip12]. **mesh-free** [KG13a, SBO11, ZBS12b]. **mesh-independent** [Sog14b]. **mesh-motion** [CDF11]. **meshed** [BYCC14]. **mesher** [AKMD14]. **meshes** [ALR11, AGSG11, ABJ+12, BMD+13, BDA14, Bal14, BD14b, BBD14, BC10b, CCB13, Cha14, CZ11a, CRT10, CF11c, CDLL12, CBTR13, DvW14, DLM13c, Far11, FW12, GW13b, GBB+13, GIQ11, IXX14, JLZ13, KWS+11, KS11b, KK10b, KAFB11, KSD12, LRL10, LZ13, LS10b, LSV10, LMBB11, LM14a, MF12, MN11, MIJ10, MK11, NS11a, Per13, RS14a, SY12a, Sco12, SY11a, SY12b, TD12a, TGRL13, TTD11, TAD14, TR14, WR11, WQCS13, WAM14, WDGY10, WGD12, ZS10b, ZZS13, nZzSlL14, ZJL+14, ZQ13, ZZSQ13]. **meshfree** [GM14a, PRA13, RPA13]. **meshing** [Cou11, CJN+13, DDF14, KHGW13, Qua11, SPS14]. **Meshkov** [MJ13b]. **meshless** [DO11a, HCD11, HBM13, KBGRM10, MWP14, OJW10, RR14, SY11b, SPM+13, SY14b, ZTL13]. **meshsizes** [Ge10]. **mesoscale** [DR11, KL12a]. **mesoscopic** [AVKP11]. **metal** [BWC13, JLS+14]. **metamaterials** [HLYS11, LH14a, OK10, OK13]. **metastable** [ZHW10]. **Method** [CD13b, ILM+13, KLL13, NDV+11, SYJ11, VS11, ZSW10, ZKKF10, AB12, AB13, ABD14, AHA10a, AP11, AP12b, AS14, ASS13, ASS17, ÁCB12, AHS14, And13, AAG14, AAT+14, ADSF13, AF13, AH10a, AEM13, AOCR12, AM11, BPM13, BFR13, BSSW12, BLOdV14, BD10b, BOD11, BDMP13, BGGW13, BH13b, BB13, BMK11, BMK12, BA10, BvBZ+10, BFSVC14, BC14, BBGP13, BKKD14, BK12b, BYCC14, BUH11, BSCML13, BB12b, BV14, Boe11, BS10b, BLR13a, BLR13b, BM10a, BCM+11, BR12b, BOK12, BDLGC13, BM11, BHL12b, BG12, Bre12b, BDKV14, Brü13, BGG12, BLR14, BTY14, BL11, CL10, CCD11a, CL14a, CKS14, CP12, CNR11, CLN14, CFCA13a, CFCA13b, CP13a, CPJ11, ÇD12b, CGM+12, Cha13, CDT13, CTG12, CT13, CEP12, CF10, CP10, CWL10, CFKL11, CNST13, CS13, CZ13, CLSX14, CAH14]. **method** [CXLF14, CSW14, CLX14, CHZ13b, CHZ13a, CTJT13, CPCU13, CW14b, CB10, CZ11b, CLS10, CL11b, CGJ11, CGMQ14, CV10, CGS13,

CRT10, CDL11, CDLL12, CKR14, CH11a, CSKP10, CSB14, CH14, CJ14, CCG11, CdCD12, Cui12, DYYA14, DR11, DH10, DMHL14, DLDL10, DV13a, DDN^{+}10, DLNN12, DM13, DRB14, DLC11, DLLW14, DvW14, DWL10, DTU12, DGM13, DP12, DFNNRdlA14, DMR14, DL13c, DjY14, DFD14, DF14, DBAV14, DFFL10, DKR12, DZL13, DB12, DBHBB13, DF10a, DGAH10, DKW10, DGF14, DWZ10, DF10b, DE14, DZLD14, EMK11, EGL^{+}13, EWH13, EAN11, ELM14, EMSH14, FDHP11, FN14, FHMS11, FGR12, FT12, Fat10, FRP14, FF13, FL13, FF12, FH11, FY13, FR13, FGLB14, FK10, FP12, FP14, FSL10, FCY13, FS10b, GAvdVB14, GH14, GT12, GH11a, GHS12, GG10, Gao13, GLSC12, GPY14, Ge10]. **method** [GC11, GCZ13, GW11, GG14, GD10, GL12a, GLC^{+}11, GGH14, GP12b, GM14a, Gra14, GW10, Gri12a, GK10, GWK10, GTSC14, GP13, GPP11, GD14, GXX14, GLL14, HM11, HRK^{+}10, HS13a, HP13, HGRB14, HJ11, HKJ11, HJBB14, HHA14, HR10, Han11, HHS^{+}13, HD13, HBM13, HGW11, HNS12, HL12a, HLS14, HGMM12, HE14, HWST12, HRT11, HW10, HW11, HHGC14, HvB11, HM10, HVT12, HLZ14, HJK14, HL12b, HDD12, HWW10, HK11, HK13, HY09, HY11, HZ11b, Hu13, HAS13, HKL14, HKL10, HCS11, HCS12, HW14a, HHL14, Hys12, ID10, Ich13, iIT14, IX10, IST^{+}12, IXX14, IJZ13, IKO^{+}14, IG14, JMFO13, JNM12, JSA14, JYHT10, JMW12, JS13b, JZ11, JLZ13, JHZ10, JW11, JXD14, JWYH10, JZ10, Jin12, JK10, JM10, JG13, JK11, KCG14, KK14, KED^{+}12, KKLR10, KKAS12, KLMJ12, KVM12, KH13, KPH13, KR10]. **method** [KSU13, KKP10, Kaw13, Kea14, KAFB11, KF12, KT14, KG11, KG13a, KMA13, KLP10, KL10a, KLPS14, KBGRM10, KBGO13, KSB12, KHJ^{+}13, KMHJ10, KBSV14, KG13c, KL11a, Kri14, KTT13, KG12b, KL12b, KL12c, KBB13, LBC14, LH10a, LDS11, LP12a, LW11, LXM14, LP13a, LT11a, LB12, LRL10, LGP10, LKCY11, Lee12b, LY13a, LB13, Lee14a, LK14, LDM14, LBCL13, LTS^{+}10, LPE^{+}11, LKT^{+}12, LSBJ14, LGF11, LLZ11, LH10c, Li10b, LYE10, sLwG10, LTSH10, LLX11b, LCK11, LHY12, LX13a, LXL13, LHY13, Li13, LMK13, LMGS13, LC13, LJ13a, LH14a, LZZC14, LLP14, LX14, LCP13, LGG^{+}13, LSW14, LCE^{+}10, LSE13, LSZ13, LSV10, LMS11, LMBB11, LM14a, LMS14, LRK11, LC14, LLH10, Liu11b, Liu11a, LZV12, LW13b, LS13d, LW14, LCWN12, LM13, LGP14, LMS^{+}10, LLS11, LHV13, LCB12, LBK10, LLN^{+}10, LXL^{+}12, LXS^{+}13, Luo13, LFW11, LZZR10, LI14, MGJZ10]. **method** [MZ11b, MWP14, MRS14a, MF14, MS10b, MS14a, MK14a, ML11a, MHL^{+}14, MMV^{+}13a, MMV^{+}13b, Mar13, MMSI13, MMHA^{+}12, MSS^{+}14, MIJ10, MD14, MRD13, MTT13, Mel11, MS14b, MZ11c, MST14, MBL^{+}14, MDH^{+}10, MBA14, MESV10, ML11b, MTZ14, Min13, MVCFM13, MZB12, MDM^{+}12, MLBS14, MJ13b, ML14b, NSA11, NTV14, NHE14, NRS10, NPC11c, NLGL14, Nic11, NJ12, NB14, NKS10, NCV10, OAKR14, OA10, OHF12, OD14, PBT14, PS12, PZW14, PZG14, PMM^{+}11, PPB14, PRA13, PL10, PMSH10, PRL10, PPS12, PB13b, Per13, PIN14, Pir12, PH13, PMSM12, PBC11b, PA14, PB14b, Pri14, QY12, QC10, QZM^{+}12, RSK13, RBB12, RVB10, RCQL11, RTS13, RK14, RP13, RG13, RSS12, RVFK14,

RS10a, RSS13, RLJ14, RHXQ14, Ren11, RGMC13, RR14, RC12, RCvdV13, RWMG11, RPA13, RMMD14, RM12, STD14]. **method** [Sal14, SS13a, SW11, SBN12, SAM10, SS11, SN12, SN13a, SF11, SGS13, SM13, SR13a, SGC13, SHCY13, SS10b, SD14a, SM11b, SM11c, Sha13, SSC13, SF14, SH11, SYY14a, SYY14b, STH11, SYL12, ST13, SJK11, SR11, SSB$^+$12, SS10c, SKCC10, SCC14, SPF10, SCH13b, SBA13, SS14a, SC11, SY11c, SY12c, SLH$^+$11, SHA11, Sog14b, SBvdV11, Son11, Sou14, SM10, SM12c, SMS14, SAA14, Sto13, Stu10, SSK$^+$12, SS14c, SdAW14, SL13b, SSY13, SD14c, SY14b, Tak14, TNK10, TK14, Tal13, TM10, TQW14, TPF11, TG14a, TF10, TSLV11, TDVG13, TVE14, TLZ$^+$11, Tit12, TCL11, TL13, TRL14, TE11, TVEC12, TH14b, TBR13, UWB12, VRB10, VP14, VB13, VHG13, VMS11, VMS12, VS14, VM10, VDP11, VHWF13, VdMS$^+$14, Vre14, Wan11a, Wan13a, WWS10, WXZ10, WS10b, Wan10, WW11, Wan11b]. **method** [WZ11, WT12a, WSS12, WYS12a, WWZ13, WW13, WD13a, WK13a, WLL13, WZG$^+$13, WD13b, WQCS13, WZN14, WZZZ14, WLW14, WDP$^+$14, Wan14, WC14a, WP10, WMYYG10, WRH10, WJTY10, WK13b, WY10, WY11, WC11, WSBG10, WZ10, WS10c, WTSZ10, WS11, WLPG11, WJC13, WWS$^+$13a, WTYC13, WYC13, WT14, XZW11, XZWW12, XFB$^+$14, Xie14b, XIIX14, XPO14, Xu11, XYL12, XMDG13, XMDG14, XW14, XR14, XCL14, XJ14, YMS10, YMS12, YYY$^+$14, YVL$^+$11, YDN10, YL11, YO11, YD11, YXZ13, YWS13, YK13, YM14, YZX14, Yao14, YMLM$^+$14, YM10, YHL13, YK12, YZ12, YW13, Yok13, YN14, YL14a, YL14b, YL10, YS13, YB14, YF11, ZM10, ZBS12b, ZFH14, ZW10a, Zha10a, ZOWZ10, fZlC11, ZHPS11, ZMG11, ZFJ11, ZOJR11, ZYHW13, ZYT13, ZLCW14, ZKZ10, ZIOF10, ZTL13, ZMD14, ZW10b, Zho10, ZLH12, ZL13, ZCS14, ZF14, ZTS$^+$10, ZWJW10, ZQ11, ZZSQ13, ZKM$^+$11, vHtTBC11, ABMT14, CF11a]. **Method** [Chi12, CM13, DDL13, GCBH10, GCBH13, HG10, MBR11, MNR11, MOSW12, MVS13, SS12, BMS12]. **methodology** [AS12, FW11, GCA13, LGE$^+$13, VDD10a]. **Methods** [KSK13, AJRT11, AP12a, AQ11, AVKP11, AV10, AL10, AK12, AJV11, AWK$^+$11, ABHS12, APY14, Atz10, Atz11, ABJ$^+$12, BMD$^+$13, BCW10, BD11a, BCZ13, BTX13, BLQ14, BR10a, BC10a, BGN10, BBCH$^+$12, BBG$^+$11, BDTW10, BdF10, BGHM13, BHK$^+$10, BP13a, BRSS11, BY11, Boy13, BF13, BHBM10, BCW13, BSV14, BC10b, BKV12, CP14, CHC11, CF11b, CCW11, CZ11a, CS12b, CCC12, CHKT13, CCK13, CY14, CLQX13, CCZ14a, CCZ14b, CH10, CSK14, CSX14, CCY13, CR13, CDHM11, Coo13, CCLV10, DL12, DLGP13, DG12, DAEB13, Don10, Don11, DL10a, DSZ13, DSHP11, DCVM11, DV14, EGW11, EGH13, EFT13, FKM11, FDHP11, FPN$^+$13, FL14, FL11b, Fuj13, GPCE13, GCE14, GM10b, GBS$^+$14, GH11b, GRS14, GKN$^+$11, GL12b, GJ11, GBC11, GD13, GQ13, GZQ13, GH10, GWCA14, HPV13, HCD11, HMS10, HL12a, HRBK10]. **methods** [HLSO13, HTHG14, HLW13, HDD14, HLY11, IF10, JWNL11, JC13, Jar12, JKW11, JPC$^+$14, JLZ13, JC10, JZ13, JZ14, JLB$^+$10, KL14a, KG12a, Ket10, KAB$^+$14, KA13, KL11b, KQ11, KGSS10, KS12, KS14, KHHK12, Kuz14,

LSM14, Lan14, LH13, LKP14, LOG12, Li10a, LXY11, LX12, xLqW13, LLW14, LGLX14, LYJ14, LLMY14, LT11b, LSVW10, LN10c, Liu13, LP14b, LQB14, MC12, MMP11, MNF$^+$10, MJ13a, MMIW14, Mig14, MF10, MSS12, MK14b, MIKG12, MNL$^+$13, MLM12, MWW$^+$13, MWY14, NV14, NPC11b, NPC11a, NP12, NN12, NF12, OJW10, OS11a, OS14, PDZ$^+$14, PVLT10, PWK11, PB14a, PMMB14, PNPF10, PS14b, PHSA14, PGA11, PPWZ11, QS11a, RT14, Ran11, RSS10, RHB12, RBCK10, RS10b, SK12a, San13, SM12b, SJB11, SHMS13, SRS10, SRSV11, SPB$^+$10, SWX12, SY11b, SSFM12, SC10, Soa13, SK12b].
methods
[SC12, SR13d, SdAW14, ST11b, TSL$^+$14, Tok11b, TD11b, TS14, TLNE10, UJvL10, UJ11, UJ12, VGCMG11, VLM13, VWPF11, VWF13, VBCM10, VSC$^+$11, VG14, VSK10, Wal13, WK10, WPP10, WSYS12, WD14, WW14, WX14, WKH10, WPK14, XXS10, Xin14, XL11, XLD$^+$11, XS13, XST13, XH13, XH14, YC11, YF14, YKWS13a, YKWS13b, Yok13, YBK13, YWL14, ZT10a, ZK14, ZF12, ZWL$^+$12a, ZWL$^+$12b, ZHY13, nZzSlL14, Zha10b, ZOL$^+$11, ZT13b, ZHS10, ZS13, ZT10b, ZWL10, ZMD$^+$11, vDS12, vRLPK11, ABH$^+$14].
Metric [Cou11, Del11, SYV17, XY14, AINF13, LLS11, SYV14].
Metric-based [Del11]. **metrics** [ANIF14]. **Metropolis** [HJBB14]. **Metzner** [GDW11]. **MgSiO** [Ber14]. **MHD**
[HY11, BMP14, BDA14, CNSFD13, CLQX13, CH11a, HY09, HY10, Li10b, LXY11, LX12, LT12, LL10b, MGLS12, MTB10, MT10, NL12b, PBC11b, SPB$^+$10, SC13, SIDG13, TG14a, XPO14, ZN14a, ZN14b]. **MIB**
[NZ14, XZW11]. **micro** [BLR13b, DLNN12]. **micro/nano** [BLR13b].
microchannel [LVZK14, PL14, Tit12]. **microchannels** [WK10].
microfilaments [LG14]. **Microlocal** [Vai14]. **micromagnetic** [ES14].
micromagnetics [GHDS10, KVBP$^+$14]. **Micromechanical** [CMBW13].
micron [LL10a]. **micron-scale** [LL10a]. **microphysical**
[OBNN13, OBNN14]. **microscale** [LXM14]. **microscopic** [Mit13].
Microscopically [PP12]. **microstructural** [JR14]. **microstructured**
[GG13]. **microvascular** [ASGW11, ASK$^+$13]. **Mie** [WP10]. **migration**
[TCW$^+$10]. **migration-diffusion-convection-reaction** [TCW$^+$10]. **million**
[Liu11a]. **millions** [JMKK12]. **Mimetic**
[BBM14, KTT12, LRN13, LMS14, KG13c, LS10b, LMS11, LMBB11, LM14a].
Minimal [JNX13, LRS10, TR11, WA12]. **Minimising** [GBB$^+$13].
Minimization
[Oli14, BK12b, CLW10, CGS13, PR11, PHD14, Xie14a, YK13, YWY10].
minimized [HT12, sSLxRyZ14]. **Minimizing** [AH13b, CCW12, Kol11].
Minimum [CJM13, Ket10, Wan11a, Wan13a]. **mining** [AC11]. **mirage**
[FGE11]. **Mitigating** [MMHA$^+$12]. **mitigation** [VGCMG11]. **Mixed**
[CS12c, DL13c, Hys12, KG13c, AGBC14, AM12, BLRR11, CCB12, FCG10, FMT11b, GH11b, HLYS11, JM10, MZ11b, MMP11, MBA14, SM13, SKt10, TCL11, TTD11, HPV13]. **mixed-dual** [BLRR11]. **mixed-element** [TTD11].
mixed-precision [CCB12]. **mixing**
[CS12a, JNW$^+$14, MJ13a, RS10b, VWP11]. **mixture** [MFM12, PS14a, PS15].

mixture-energy-consistent [PS14a, PS15]. **mixtures** [DGF14, Gio10, LC13, Liu11a, LR13, PvDtTB+11, VP10, VP14]. **mKdV** [GAV13]. **MLPG** [LCK11, WTSZ10]. **MLPG_R** [SM12c]. **mobile** [RB13]. **mobility** [CGC13, JJM13]. **modal** [BGHM13, PMSM12, PS14b]. **Mode** [GPCE13, GCE14, GKS+11, KG12a, LL12b, LL14b]. **Model** [ECD14, HH13, And13, AC11, ABPSM11, BNT14, BHS14c, BBCH+12, BLM+14, BND+12, BDH13, BCL13, BSDM12, BWMG14, BCL+11, BKW10, CFCA13a, CFCA13b, CPJ11, CEK14, CM14, CF10, CBW10, CSW14, CGR11, CLG13, CH10, CGJ11, CF11c, CDS13, CBCM+11, CDB13, Dad12, DTG+14, DDS12, DXB+13, DFW+10, DRZ14, DKA12, DEKBF14, ECDB14, EGG12, EWH14, FG12, FCG10, FCH13, FK14, Fuj11, Fuj13, GW12, GW14, GDW11, GHM10a, GHM10b, GM11a, GHS13, GHP13, GVV13, GK14, GGT13, HKJ11, HHA14, HHL11, HVD13, HZS12, HMOH11, HW14b, HCM10, IX10, JJM13, JTH10, JG13, KL14a, KG12a, KRF12, KGG10, KL10b, KO12, KK10c, KBB13, LGH10a, LMFH11, LBT11, LHH14, LKT+12, LJX+14, LGLX14, LZC+13, LWZ+13, LTC14, LRBT14, LMM14, LBZ+10, LFLV14, MZ10, MZ11a, MS14a, MWRZ13, MPWK13, Mit13]. **model** [MSTL14, MMT14, MVG11, MGN10a, NL12a, NWLS12, OHF12, ORHH13, PZTW12, PTM13, PBC+11a, Par10, PBC+14, PS14a, PS15, Pie12, RVFK14, RJC13, RBNS13, RCCC14, RG12, SBWF14, SM11a, SN13a, SMP+13, SH14, Sch13a, SO13, SC13, SSW13, SRS14, SKR14, SN13b, SS13c, SV10, Sza12, TBMH11, TFP13, TS12, VP10, Vre11, WZ13, WZ14, WT12a, WMK13, WSW13, XHF13, XFB+14, YP13, YCH+13, Yok13, Yok14, YN10, ZA14, ZFJ11, ZYHW13, ZMQ13, Zho14a, DK14, HH12b]. **model-order** [DRZ14]. **Model-Scenario** [ECD14]. **modeled** [KRT14]. **Modeling** [ASXZ14, BI11, BM11, CW10, ES10, IBO14, KL12a, KST10, LZV12, LBK10, MGLS12, OLC13, VLM13, VKBK11, WK10, Wan10, YFL+13, YXD+14, ZHW10, AH13a, AL10, AAG14, ACCM12, BWS10, BC10a, BKKD14, BGBR12, BBD11, BHBM10, CRS14, CCMG+13, CW14a, CL11a, CMG+13, DST14, DKR12, DL10a, DGAH10, FT11, GSTB13, GJLY13, HNMM10, HGW11, HSK+15, HBZL14, HH12b, HH13, HLZ14, HHH13, ICC+10, KBTD12, KLB+14, KEGM10, KKC+13, Kwo14, LRT13, LB13, LLZ11, LYE10, LHY12, LLZ14, LG14, Lip12, LZ10, LVZK14, LP11, LM14b, LMQ+11, MB13a, MCA+13, MBMV13, MBL+14, MF13, MGN14b, NZ14, NKF14, OD12, OP10, PLT14, PM14, RG13, RKGM14, SG10b, SG10a, SMF+13, SB12, SKt10, TH14a, TTR+12, Tok10, TvdHS+12, VGCMG11, VHWF13, XFC+14, XJ12, Zad11, ZM14, ZZK+14, ZKM+11, dv23]. **Modelling** [KSD12, RBB12, RKD+14, STC10a, ERS14, FGE11, GM11b, HCD11, JR14, JW12, Nag14a, Nag14b, PLBR13, SMS14, VBVD10, vDS12]. **models** [AVKP11, AP12b, AELV14, Ala14, AA13, BF14, BDTW10, BS11a, BN14b, BJLR14, BM13a, BDMV11, CIJS14, CD10, CVC12, CNR10, CLSX14, CJP+14, CP13b, CB13, DLM+13a, EWH13, EEK14, FY13, FvdB12, FQV13, FP12, GHM10b, GH11b, GRS14, GP12a, Gri13, Gri10, Gri12a, Ham10, HMM14, HBAP10, HSD11, HLLW11, ISZ12, IWG13, KH13, KVC+13,

LXM14, Le 12, LTS+10, LX10, LC13, LY14, LE12, MZ11d, MZ14, MJ13a, Mie13, MPPP12b, MPPP12a, Min13, MY14, NMX12, NB13, PBWK11, PR11, PRA13, PBM11, RV10, RE13, RPA13, SLGB12, SS14a, TQW14, TPF11, Tau12, TAT14, iT14, WABI11, WT12b, WMYYG10, Wei12, YWS13]. **moderate** [MCA+13]. **moderately** [NS14a]. **modern** [YS12b]. **modes** [PBdGP14, RWX11, Tan11]. **modification** [LGP14]. **modifications** [HT14, MRS14b]. **Modified** [CWC11, SOG14a, SB12, BHL+13, CG13b, Gür14, HG10, HW14b, JKQ13, KKS13, KQ11, LCK11, MAD13, SC10, WV14, ZMG11]. **modular** [MVCFM13]. **modulated** [IBO14]. **modulation** [ÁCB12]. **MOF** [JLZ13]. **moist** [MMV+13a, Ste14]. **Molecular** [ARF12, LWCR10, BB12a, CD12a, CWC11, CLW10, Dad12, Dav10, Dav15, DXB+13, GW11, Gen13, GL13, JTH10, JFC+13, KSS14, KM11, KH11, KIF+14, KAG14, LH13, LB13, LSK11, LYXZ14, MB13b, PLBR13, PA12, PA14, STC10b, VWP11, ZKM+11]. **molecule** [HL11]. **molecules** [Son11]. **Moment** [TBMH11, AIX10, AHOT14, CLSX14, DKR12, GCA13, HPS13, IAM+12, IX10, JSA14, KLMJ12, MMR12, MT13, MMA11, MMA13, NF12, PA12, UWB12, VLM13, VWPF11, VWF13, XIIX14, Yok13, HS13b, WP14]. **Moment-Based** [WP14]. **Moment-of-Fluid** [HS13b]. **moment-preserving** [MMR12]. **moment/multi** [VLM13]. **moment/multi-fluid** [VLM13]. **moments** [VHWF13, YF11, ZKKF10]. **Momentum** [IF10, BNT14, CWL13, CD12a, LPE+11, LKT+12, sLwG10, LSVW10, SLI10, SSR14, Tok11a, VKL+13, vV12]. **momentum-preserving** [CWL13]. **momentum-space** [SSR14]. **Monge** [BFO14, BCW13, CDF11, CSC14, FO11, ZPF10]. **mono** [BM10a, Gra14]. **mono-dimensional** [Gra14]. **mono-energetic** [BM10a]. **monolithic** [APF13, BC10a, GM12a, KN14, NKS10, RMSF11]. **monolithically** [MMH12]. **monolithically-coupled** [MMH12]. **Monoslope** [BC10b]. **monotone** [LSV10, ML13, SY12b, WG14]. **Monotonic** [AT13a, ZSW10]. **Monotonicity** [BKV12, LP13b, LMS11]. **Monte** [Den11b, DBO+10, Gho17, HJBB14, LC13, MSS+14, WPP10, AB13, AJG+13, AKP+12, BDL11, BHM11, BHM13, BP13a, Boo11, CRS14, CGP10, CBGK13, DD12, DWL10, DTU12, EMSH14, GCA13, Gen11, GKN+11, HH12b, HH13, JNSA12, KSS14, LWZ+13, MMM11, MOV12, MSS12, MVG11, MJM13, MMJ14, NKSR12, NVS13, PBC+11a, QA11, RLJ14, RSFS13, RRD+14, SBC+14, SJB11, Sch13a, SR13a, SD14a, SD14b, SSFM12, SSR+13, SSK+12, TSR13, WK13b, WP14, XX12, ZKZ10, ZKKF10]. **Monte-Carlo** [DD12, ZKKF10]. **MOOD** [CDL11]. **Moreau** [HHK13]. **morphodynamic** [Zho14a]. **morphologies** [KIG11, ZCD10]. **Morrison** [CP14]. **Morse** [ZZK+14]. **mortar** [Han11]. **mortar-discretized** [Han11]. **MOSFET** [JC10]. **motility** [WZ10]. **motion** [Bea12, BBGP14, CDF11, Dad12, ERT10, HGW11, JTH10, KBTD12, LLZ11, MFM12, RUL+13]. **motions** [LBRA+13]. **motors** [LKP14]. **movement** [Ich13]. **mover** [CC13]. **movers** [DC13]. **Moving**

[SYV17, TA13, AINF13, ANIF14, ABMT14, BSSW12, BBCH+12, BKC+11, BCW13, CCFCM11, CXLC12, CB10, DDF14, EQYF13, ES13a, FRP14, GW12, GW14, GGH14, HZ11b, HF10, KKAS12, KG11, KSD12, LCNK10, LKCY11, LY13a, LMZ14, LH14b, MKCB14, MRD13, MVS13, MZ11c, MK11, MK12, MK14b, NS14b, PZ10, Qua11, SHMS13, SYV14, SS13c, TS11, VSC+11, WYYK10, WK14, WZ10, Xin14, XR14, YCY11, ZBS12a, ADB14]. **moving-body** [LKCY11]. **Moving-Least-Squares** [ADB14]. **MPFA** [FE11]. **MPI** [KEGM10, LS10a]. **MPI-only** [LS10a]. **MPS** [KG13a, TM10]. **MRT** [XMS12]. **MRT-LBM** [XMS12]. **mud** [MGN12b]. **mud/debris** [MGN12b]. **Mullins** [BGN10]. **Multi** [APGL12, ASGW11, ASK+13, BILM14, BZ12, BZKL13, ERS14, FK10, Ger12, ILM+13, IDNG13, KG13b, MMA11, MMA13, MSS12, NF12, PYK10, SABH11, SHZ13, XHF13, AHA10b, AIX10, AKL+13, ABS+14, BDL11, BD10b, BGGW13, CCD11a, CWS13, Cap11, CHKT13, CNST13, CLSX14, CY14, CS14a, CB13, DM13, DLM+13a, DBHBB13, DBM+12, EN14a, EN14b, Fal13, FGR12, FK14, GMB10, GG13, GCW14, GH12b, HHA14, HLM11, He13, Her10, HJZ14, HDD12, HK11, HDHZ13, HQL+10, IX10, IST+12, JNX13, JS13b, JHF10, JLZ13, JFC+13, JH12, KED+12, KKL10, KSU13, KN14, KBSV14, KGSS10, KS12, KS14, LMLC12, LNU10, LB12, LRLL11, LR12, LS10a, LX13b, MF14, MK14a, MS12, MHGM14, Nor14, PBWK11, PvDGvM11, PvDtTB+11, RARO13, STD14, SBN12, SCGE13, SQC11, SWX12, SPF10, SY11c, TVE14, TRL14, UWB12, VF10, WS10b]. **multi** [XZW11, XIIX14, XL11, XH14, Yok13, ZN14b, ZLH12, CDL11, ILM+13]. **multi-block** [SY11c]. **multi-body** [SCGE13]. **multi-component** [BD10b, HK11, PvDGvM11, PvDtTB+11]. **Multi-dimensional** [Ger12, IDNG13, PYK10, SHZ13, BDL11, Cap11, Fal13, GH12b, IST+12, KKL10, LRLL11, LR12, Nor14, RARO13, CDL11]. **multi-dimensions** [LB12, MSS12]. **Multi-domain** [SABH11, BILM14, DBHBB13, HDD12, LMLC12, XH14]. **Multi-element** [FK10, KG13b, JNX13]. **multi-energy** [MHGM14]. **multi-flow** [ZLH12]. **multi-fluid** [DLM+13a, VLM13, VF10]. **multi-GPU** [JFC+13]. **multi-ion** [BGGW13]. **multi-layer** [CCD11a]. **multi-layered** [ABS+14, STD14]. **Multi-level** [BILM14, MSS12, JS13b]. **Multi-mass** [APGL12]. **multi-material** [CS14a, FGR12, FK14, GMB10, JLZ13, JH12, KSU13, KBSV14, KGSS10, KS12, KS14, LX13b, XZW11]. **multi-medium** [WS10b, XL11]. **Multi-moment** [MMA11, MMA13, NF12, AIX10, CLSX14, IX10, UWB12, XIIX14, Yok13]. **Multi-output** [BZ12, BZKL13]. **multi-particle** [GG13]. **multi-phase** [AHA10b, CY14, HHA14, HQL+10, MF14, PBWK11, SPF10, ZN14b]. **multi-physicochemical** [CHKT13]. **Multi-physics** [ASGW11, ASK+13, CNST13]. **multi-point** [SBN12]. **multi-resolution** [DM13, HHA14, TRL14]. **Multi-scale** [XHF13, AKL+13, CHKT13, DBM+12, He13, Her10, MK14a, SQC11]. **Multi-scenario** [ERS14]. **multi-socket** [LS10a]. **multi-symplectic**

[CWS13, GCW14, HJZ14, HDHZ13, SWX12]. **multi-target** [MS12]. **multi-terminal** [TVE14]. **multi-time-step** [KN14]. **multi-tracer** [EN14a, EN14b, HLM11, LNU10]. **multi-water-bag** [CB13]. **multi-wavelet** [JHF10]. **multiblock** [ADSF13]. **Multibody** [LOG12]. **multicanonical** [SJB11]. **Multicomponent** [CGF+13, Gio10, BP13a, CS12a, CC14, KCG14, LI14, NMT+12, SMP+13, Shu14, STL+10, WP10]. **multicore** [HRBK10, LS10a, LBRA+13]. **Multidimensional** [Bal10, BDA14, Bal14, BBD14, BKW10, CDF11, GV13, KSK13, MCD14a, MPWK13, RS14b]. **multidomain** [BDLGC13]. **multifluid** [MJ13b]. **multifluids** [MESV10]. **Multifractal** [RG13]. **Multifrequency** [She13, SVS11]. **Multigrid** [Ge10, GC11, PS12, PPB14, SEDW13, vdVR12a, vdVR12b, ASB10, BHL+13, BGR11, BWC13, BM10a, CF10, CR13, GCZ13, GW10, GT11, GMG12, GMXG14, HSN13, JG13, Lan14, MHA10, NOT14, OS11a, PVLT10, SSG11, TCW+10, WMYYG10, Xie14b]. **multigrid-based** [BWC13]. **Multigroup** [CGP10, RF14b, Ols11]. **multilayer** [ABPSM11, BOK12, DLM13b, FNKdLB13, SYL12]. **multilayered** [DB12]. **Multilevel** [KKPV12, KLL13, MJM13, RRD+14, vdVR12a, AB13, CMS10a, CLX14, LLW14, MIJ10, MBLM10, MSD12, MMJ14, YC11]. **multimaterial** [BHS14c, BBG+11, SKR14]. **multimaterials** [GIMT14]. **multimesh** [DSHP11]. **multiobjective** [ZM14]. **multiparticle** [HCS+10]. **multiphase** [BDH13, BHL12b, CG13b, DFVY14, FP12, Fus13, HHL14, JSA14, KG13a, KG12b, LDM14, LHB10, MT14b, OD13, Qua11, SYJ11, Shy10, VDD10a, Vre11, WWZ13]. **multiphysical** [Mön13]. **multiphysics** [BP13b, CNSFD13, TQW14]. **Multiple** [YN10, ZFJ11, AP12a, AV10, ABH+14, BFE12, CB12, GHS12, GCvRK11, GL12b, GHL14, GS11b, GGG+13, HNMM10, HW14b, KSPP10, KL11b, LRT13, Lee12b, Li12, xLqW13, LW13a, Lip12, NMX12, Qua11, RM14, STC10a, SSK+12, VBVD10, WW14, dv23]. **multiple-cell** [Li12]. **multiple-frequency** [GGG+13]. **Multiple-relaxation-time** [YN10, HW14b]. **multiple-scatterer** [VBVD10]. **multiple-time-scale** [HNMM10]. **multiple-time-step** [RM14]. **multiplication** [LLY11]. **multipliers** [RHGT10]. **multiplying** [RF14b]. **multipoint** [APY14]. **Multipole** [DDL13, HW10, HW11, Lee12b, LOG12, LGG+13, LC14, NN12, PA14, Tak14, ZHPS11, CB14]. **multiprocessors** [NS11b]. **multiquadric** [BMK11, BMK12]. **multirate** [BM10b, SLT+14]. **multiresolution** [ACG14, dlLPC10, PA12, RCW11, RS10b]. **Multiscale** [CEGG14, EGW11, GSTB13, GW11, HHH13, JTT14, KF13b, KLL13, PL14, Ste14, TL13, WPKK12, WMK13, XFC+14, AB12, BLQ14, BGGW13, BA10, BILM14, BDM13, BLR13a, BLR13b, BM13a, BSS11, Chi12, CJ14, DDM10, DM13, EGG12, EGH13, EGL+13, ETW10, GW10, GFK13, GWK10, HJ11, HKJ11, HLSO13, JK10, KL12b, KKC+13, LB13, LYE10, LDDBR13, LTL11, MZ11b, MCJ14, MKGV12, MMV+13a, MMV+13b, ML14b, OK12, OK13, PLBR13, RUL+13, RG13, SKN13a, SMF+13, Sco12, SC13, VBCM10, WZ13, WHT14, YCH+13, ZOWZ10, ZOJR11, ZYHW13, ZHS10, HPV13].

multiscale-multigrid [GW10]. **Multiscale/fractional** [JTT14]. **multislope** [BC10b, CRT10]. **multistep** [CK11, LBM10]. **multisymplectic** [KHZ10, ST11b]. **multitude** [EQYF13]. **multivariate** [DKR12, WMI10]. **Multiwavelet** [VR14]. **MUSCL** [BD14a, BC10b, CCKCG10, CRT10].

N [Gho17]. **Naghdi** [BCL+11, LGH10a, LGLX14, PDZ+14, PE10]. **nano** [BLR13b, CW10, HZS12, JC10, KKPV12, KA13]. **nano-crystals** [KA13]. **nano-electronic** [CW10]. **nano-pattern** [KKPV12]. **nano-plasmonic** [HZS12]. **nano-scale** [JC10]. **nanocarrier** [RUL+13]. **nanochannels** [LWCR10, ZKM+11]. **nanometers** [NIN+14]. **nanoparticles** [LH13]. **nanostructures** [NIN+14, TVE14, XX12]. **nanowire** [RSK13]. **narrow** [LDM14]. **narrow-band** [LDM14]. **NASA** [KYP+14]. **Natural** [KTT12, ZYT13, DMHL14, EBGW13]. **natures** [SCY11]. **Navier** [GLL14, HHK13, KRF12, VV13, AB11, ABPSM11, BK11, BSSW12, Bea12, BNNW11, BN11, BN14a, BGHM13, Boe11, BR12b, BCLR10, CVN13, CMS10a, CJNS12, Cha13, CXLF14, CLS10, CDK12, CST12, DLZ+11, DHH11, DAA11, EH13, FW12, FL11a, HGW11, HL12a, HOK10, HM10, HKL14, HF10, JM12, KKP10, KF13a, KRT14, LXF10, LGE+13, LLN+10, MBS13, NPC11c, NOT14, NDBG14, NEE12, OA10, OR10, OS12, PBT14, PVLT10, PGL11, PNPF10, PGA11, RP13, RHXQ14, RGMC13, RCvdV13, RPC14, SK12a, San13, SVK14, SH14, SSHT14, SM13, Sen13, SSS10, Sha13, SLI10, SR11, SY11c, SGV13, TWMM14, TY11a, TLO+14, UN13, VQRD11, VT13, Vre14, WW13, XFB+14, XIIX14, XH13, ZW10b, ZLH12]. **near** [Alb10, BdCB11, Boy11, DDN+10, GDY10, Mac10, RKM11, Vre14]. **near-equivalence** [Boy11]. **near-initial-information** [RKM11]. **near-wall** [GDY10]. **nearly** [KGG10, ML11b, ZA14, ZJW12, ZWH+12]. **nearly-orthogonal** [ZJW12]. **necessary** [PBWK11]. **Nédélec** [HZS12, JMFO13]. **need** [PM14]. **Negami** [CPJ11]. **negative** [DR11, MMR12, MM12, NMV13]. **neighbor** [Mac10]. **nematic** [BGGGS11, CTSM13]. **NEMD** [GWK10]. **neon** [KM14b]. **Nernst** [LW14, LHMZ10, MG14b, ZCW11]. **Nested** [PMSH10, EWH14, SY14a]. **network** [BPS14, CCT11, Ham10, XHF13, vTCL+10]. **networks** [AM13, BK14b, CMBW13, FLM12, Gui12, KL14b, MAK14, NJ12]. **Neumann** [AV10, Deg11, FN14, FN10, HG11, LL12b, MP13, RzSZ13, SSC13, TDL10, VCJ11, VW14b, ZzS11]. **Neumann-to-Dirichlet** [LL12b]. **neuronal** [CCT11]. **Neutral** [KM11, GH12b, WAM14]. **neutrality** [CRS12]. **neutron** [BLM+14, DSHP11, JC13, Tal13, WPK14]. **Newton** [BDTW10, CGG12, CCL+14, DMHL14, GL12a, Han11, HL12b, JG13, KL11a, LTS+10, LPE+11, LKT+12, LFLV14, LvZB10, LL10b, NOT14, PMMB14, YJK12, vVVK10]. **Newtonian** [BNM14, KRT14, LXM14, PTM13, STH11, ZYF+10]. **Nicolson** [ÇD12b, FF12, WXY13, YXZ13]. **Nicolson/quasi** [YXZ13]. **Nicolson/quasi-wavelets** [YXZ13]. **nine** [WDGY10]. **nine-point** [WDGY10]. **Nitrogen** [MPPP12b, MPPP12a]. **Nitsche** [AM11]. **No**

[RPV13, SR11, VM10, Vre14]. **No-slip** [RPV13, SR11, VM10, Vre14]. **nodal** [DBZ14, DTYY14, LH14a, OS11b, ZS14]. **nodal-continuous** [DTYY14]. **node** [AT13b, BvBZ+10, FL10, HWST12, LR11, SSHT14, TG14a, WZ10, ZWH+12]. **nodes** [MGJZ10]. **Noise** [TAT14, AV13, AP11, DG12, HJZ14, Jin12, SSS11, VS14, vydCNS+10]. **Noiseless** [PSF+14]. **nominally** [MB12, MAB+13]. **Non** [AM12, DZL13, ES14, FPN+13, GGG+13, LSW14, PL10, PL12, XFB+14, AK10, AC13, AW14, ABJ+12, BD10b, BNM14, BRS11, BSS12, BD14b, BAG12, BCG+13, Cap11, CES14, CCD11b, CF11a, CRG13, CVIA10, CRT14, DR11, DB13, DO11b, DEKBF14, FSTY14, FCYF11, FVR13, GG10, GCvRK11, GP12a, Guy13, HKLY13, HG11, HWA10, IAM+12, IG14, JC13, JN12, KIF+14, KRT14, KG12b, LH10a, LXM14, LRL10, LQ10b, LWF11, LT11c, MMR12, MC12, MBLM10, MN12, MM12, MTG11, MM11, NMV13, NKS10, NNS11, PTM13, PDZ+14, PL14, PT12, PWB+14, Pir11, SBWF14, SG12b, SSM14, SBS11, SML13, STD+10, SMS14, SJ10, SGV13, UJ12, Vai11, VDP11, WYS+11, WLL13, WS14, YF14, ZN10, nZzSlL14]. **non-adapted** [DO11b]. **non-breaking** [SMS14]. **non-collisional** [LWF11]. **non-compactly** [Vai11]. **Non-conformal** [DZL13, PL10]. **non-conforming** [NKS10]. **non-conservative** [AK10, BD14b, YF14]. **non-deteriorating** [PT12]. **non-dispersive** [BRS11]. **Non-dissipative** [LSW14, Pir11]. **non-divergence** [GCvRK11]. **non-elliptic** [SG12b]. **non-equilibrium** [CVIA10, IAM+12, MM11, PWB+14, SGV13, WYS+11]. **non-equivalence** [SSM14]. **non-Fickian** [STD+10]. **non-graded** [HG11, MTG11]. **non-hydrostatic** [NNS11, UJ12]. **non-isothermal** [PL14]. **Non-linear** [FPN+13, XFB+14, AC13, BD10b, Cap11, DEKBF14, FVR13, Guy13, MN12, PDZ+14, SBWF14, VDP11]. **non-local** [BSS12, GP12a]. **non-negative** [DR11, MMR12, MM12, NMV13]. **non-Newtonian** [BNM14, KRT14, LXM14, PTM13]. **non-orthogonal** [CRG13]. **non-oscillatory** [CCD11b, CRT14, DB13, FSTY14, FCYF11, HKLY13, HWA10, IG14, JN12, LQ10b, MC12, YF14]. **non-overlapping** [BAG12, JC13]. **non-periodic** [KG12b, LRL10, WS14]. **non-premixed** [GG10]. **non-reactive** [KIF+14]. **non-smooth** [ZN10]. **non-spherical** [SJ10]. **non-staggered** [SML13]. **non-stiff** [CF11a]. **Non-uniform** [AM12, ES14, GGG+13, AW14, ABJ+12, CES14, LH10a, LT11c, MBLM10, SBS11, WLL13, nZzSlL14]. **non-zero** [BCG+13]. **nonconforming** [HR10, ZW10a]. **nonconservative** [CG13b]. **Nonequilibrium** [CD12a, GWK10, PPWZ11, SAHS14, ZFJ11]. **nonhomogeneous** [BHM13]. **nonhydrostatic** [KG12a, MMV+13b, SSW13]. **Nonlinear** [APRS14, CFW+13, EMK11, LDN+10, Shu14, WFK11, YP13, AMDR10, AH13b, APC11, BF14, BD11a, BTX13, BHL+13, BBC+13, BS11a, BCL+11, BDLGC13, BGM12, CCT11, CWL13, CEGG14, CFCA13a, CFCA13b, CRS14, CZ11b, CGJ11, CV10, CF11c, CSKP10, CLS13, DBAV14, Don10, EO11, FD11, FF12, FCN+13, FC13, FLB+12, GAvdVB14, GJ14a, GCLS11, GL14,

Gno14, GHP13, GJ11, GPP11, HMM14, HDHZ13, HM13, JZ13, KK10a, Kri10, LTCN13, LLZ14, LBZ+10, LM14b, LL10b, MTG11, MSS12, MAD13, MY13, MN14, NMZC13, NMCZ14, NMT+12, PR11, PMMB14, RSS13, SK13, SKN13b, SCS14, SN13b, SC12, TAT14, TLNE10, VK12, VMS12, VED13, WABI11, WXY13, WGX13, WT13, WXY14, WL11, XST13, YL11, YD11, ZN10, Zha14].
nonlinearity [BX12, DYYA14, Vai11]. **nonlinearly** [CCB12, CC13, JXD14].
nonlocal [BS11a, CM10, GLWW14, HZS12, WRH10]. **nonnegative** [BMR14, LHV13]. **nonoscillatory** [Fan14, ZS13]. **nonparametric** [CZ13].
Nonreflecting [CT10, JKR14, GS11b, Vai14]. **nonreflective** [Man12].
nonsmooth [YC11]. **nonstandard** [EO11]. **Nonuniform** [LLH10, FS10a, GC11, GCZ13, TD12a, YMS10]. **norm** [CJM13, HPA14a, MA13, Mat14, MAC14, XY14, ZY13, ZMD+11]. **normal** [BDM13, ELM14, HLY12, IKO+14, Vol14]. **nose** [NHE14, CWC11]. **Note** [Ano13-53, KGKS13, Try12, ZT10b, CFKL11, Don11, Gon12, SSL13, iT14].
Novel [FL13, ADSF13, BF13, GMXG14, JNM12, JMW12, LZZR10, TAAY14, YCY11]. **NRxx** [CL14a]. **NSCBC** [CGF+13]. **nuclear** [NB13, SSFM12].
nucleation [LCE+10, SJB11]. **nucleus** [ZCD10]. **null** [HD13, DE14].
null-field [HD13]. **number** [APC11, BFSVC14, CJNS12, DLDL10, Del10, FF13, FK14, GW10, HRK+10, HGSK+13, HKM12, Kwo14, Lee12a, LHB10, MKB+12, MBD13, Mor10, NL12b, PAG11, Rie10, Rie11, SRN10, SM11b, SCB10, TGGT13, YYB12].
number-density [LHB10]. **numbers** [CBGK13, CLAL14, HY09, HY11, MCA+13, MGN14a, WW13, vRLPK11].
Numerical [AP12a, ÁCB12, ABHS12, BD11a, BTX13, BBCH+12, BFO14, BRS12, BJLR14, BX12, BKW10, BLY10, CCD11a, CWS13, CCMG+13, CM13, CM10, CH11b, CB13, CG13b, CTSM13, DHN11, DDS12, DL10c, FJ12, GDW11, GPS10, GV13, GVH14, GAW+14, Gür14, Har11, HL12a, HBZL14, HZS12, HH12b, HH13, HWW10, JWV12, JWNL11, JEX10, JPC+14, JZ14, Kat14, KDS14, KJWR14, Kha13, KLP10, KLPS14, Kwo14, LKP14, LCY11, Liu13, LP11, LM14b, LT11c, MB13a, MYM12, NMT+12, OLPM14, PPTMDK13, PBdGP14, SEBG12, Tal13, Tan11, Tok10, Tok11a, ULS13, VGCMG11, VWP11, Wol12, XST13, YJK12, ZYLK13, Zho14b, Zoh13, ARR13, AR14, AME14, Atz10, ABPSM11, BHB11, BVM14, BCW10, BSSW12, BCZ13, BLM+14, Bér11, BS11a, BBGP13, BR14, BN14b, BRSS11, BS10b, BG13, BHBM10, BCW13, CCT11, CIJS14, CCFCM11, CX13].
numerical [CGM+12, CGC13, CDT13, CM14, CWL10, CHKT13, CPX13, CSW14, CL11a, CVIA10, CH10, CSK14, CH14, CLS13, CS12c, CGC+12, CGF+13, Dai13, DLDL10, DLGP13, DBAV14, DST14, DFW+10, DWZ10, DBM+12, DE14, DLM13c, EH14, EH15, EL11, Era13, EC13, FBM14, FNGV14, FGLB14, FW11, Gao13, hGzSwZ14, GMT10, GM10b, GKG+13, GV14, GHM13, Gui12, GLL14, HGW11, HLS14, HVD13, HM10, Hys12, JS13a, JTT14, JLB+10, JH12, KL12a, KKP10, KSP13, KL10b, KAB+14, KK10c, KRT14, KL11b, LTC13, LFL11, Le 14b, LGH10a, LBCL13, LP12b, LTS+10, LCE+10, LHB10, LW13b, LWS14,

LMQ+11, LHV13, LFW11, MDPTK13, Man12, MMSI13, MB11, MdVBS13, MTT13, MS14b, MVCFM13, MWY14, MPT13, MGN13, MGN14b, Nag14a, Nag14b, NMV13, OD12, OA10, OLFS13, OBT12, Par10, PBB14, PE10]. **numerical** [PS14a, PS15, PPWZ11, Pri14, Pud11, RTS13, RZ10, RHB12, RB10, RM12, SOG14a, SBB13, SNS10, SRSV11, SB14, STH11, SY11b, SJK11, SCS14, SL13b, ST11b, TiI11, TS10, TSL+14, Tau12, TA12, TDVG13, TTR+12, TvdHS+12, TE11, TR11, VBVD10, VP10, VP14, VLM13, WFK11, WWX+10, Wan11b, WLW14, WC14a, WRH10, WJC13, WWS+13a, XS15, XPO14, Yok13, YL10, ZK13, ZVNM10, ZYHW13, ZPF10]. **Numerically** [GKF11, KHJ+13, LS13c]. **Nunziato** [FP12, PZTW12, TT10]. **NURBS** [CXLF14]. **Nyström** [BG12, HK14, YHM12].

OBC
[Ano10-49, Ano10-50, Ano10-51, Ano10-52, Ano10-53, Ano10-54, Ano10-55, Ano10-56, Ano10-57, Ano10-58, Ano10-59, Ano10-60, Ano10-61, Ano10-62, Ano10-63, Ano10-64, Ano10-65, Ano10-66, Ano10-67, Ano10-68, Ano10-69, Ano10-70, Ano10-71, Ano10-72, Ano11-43, Ano11-44, Ano11-45, Ano11-46, Ano11-47, Ano11-48, Ano11-49, Ano11-50, Ano11-51, Ano11-52, Ano11-53, Ano11-54, Ano11-55, Ano11-56, Ano11-57, Ano11-58, Ano11-59, Ano11-60, Ano11-61, Ano11-62, Ano11-63, Ano11-64, Ano11-65, Ano11-66, Ano12-36, Ano12-37, Ano12-38, Ano12-39, Ano12-40, Ano12-41, Ano12-42, Ano12-43, Ano12-44, Ano12-45, Ano12-46, Ano12-47, Ano12-48, Ano12-49, Ano12-50, Ano12-51, Ano12-52, Ano12-53, Ano12-54, Ano12-55, Ano12-56, Ano12-57, Ano12-58, Ano12-59, Ano13-33, Ano13-34, Ano13-35, Ano13-36, Ano13-37, Ano13-38, Ano13-39, Ano13-40, Ano13-41, Ano13-42, Ano13-43, Ano13-44]. **OBC** [Ano13-45, Ano13-46, Ano13-47, Ano13-48, Ano13-49, Ano13-50, Ano13-51, Ano13-52]. **Object** [YS12b, Lap11, LH14b]. **Object-oriented** [YS12b]. **object-plasma** [Lap11]. **objective** [SSS11]. **objects** [FRP14, PVDW14, Xu11]. **observations** [BLM11, GM11a]. **observed** [BM13b, BH13c, Har11]. **obstacle** [CHC11, KL11a, Le 14a, Lee14a]. **obstacles** [KKAS12]. **Obtaining** [CBGK13]. **ocean** [BDTW10, IBO14, Li12, LFLV14, OMCO14, SP14a, TQW14, ULS13, YK12]. **ocean-atmosphere** [IBO14]. **oceanic** [Hig13]. **octree** [BGZ12, PHRG13, PB13b]. **octrees** [Mur10]. **ODE** [BS14b, NV14, TPF11]. **ODEs** [RT14, ZK14]. **Off** [NKSR12, MMIW14, PB13b, YFL+13]. **off-body** [PB13b]. **Off-lattice** [NKSR12]. **Ohm** [PSM11]. **oil** [OD12]. **oligomerization** [JJM13]. **once** [SW13]. **One** [EEK14, KS12, PRL10, YHT11, ACG14, Ain14, BH13b, BLTO11, CCB12, CW14a, CLS13, DRB14, FQV13, GDHM11, HH12a, Liu11a, LT11c, MM12, MPT13, MGN12a, NF12, Par12b, RB10, RS13b, SSR14, Stu10, TAI11, TA13, ZWL+12a]. **One-dimensional** [YHT11, CCB12, CLS13, FQV13, LT11c, MPT13, RB10, SSR14, Stu10, TA13, ZWL+12a]. **one-domain** [CW14a]. **one-level** [BH13b]. **one-shot** [DRB14]. **one-sided** [HH12a]. **One-step** [KS12, GDHM11, Par12b]. **one-time** [ACG14]. **one-way** [Ain14]. **only**

[LS10a]. **Ono** [BX12]. **opacities** [Gen11, Gho17]. **Open** [DK14, BS10a, LL12a, MGLS12, MRS14b, MLM12, PGA11, SS10a]. **open-loop** [MRS14b]. **OpenMP** [ADT14]. **operating** [GMXG14]. **operational** [HHGC14]. **Operator** [Wal13, ZOL+11, Zha14, BR11, BB12b, CC12, ETW10, FN14, FN10, HLDP14, KWH10, PG11, RXLS14, SSL13, WdHX10, WYS12b]. **operator-splitting** [WYS12b]. **operators** [BBC+13, BG12, DBZ14, EAG14, FN14, FD11, Hua14, LR11, LB12, LL12b, MA13, Mat14, MAC14, Pir10, SW11, TAAS13, SRS10]. **Optical** [BFR13, CCC12, DR14]. **optically** [RGK12]. **optics** [CKR14, GHP13, GHH14, LBM14, Whi10, WJC13]. **Optimal** [BH13a, BGR11, BMK11, BMK12, BP13b, CSX14, CDL11, EC13, MAC14, NMCZ14, RSD10, SWR11, TD12b, XS11, AAG14, BVM14, BFR13, BD13, BAG12, DLLW14, EM12, FKM11, GLS10, HM13, IL11, Kaz10, LR11, LLJ10, MBS13, Oli14, PSDF13, SV13, VSK10, ZMD+11, BFO14]. **optimality** [WFL10]. **optimally** [NRS10, WA12]. **Optimised** [GM11b]. **Optimization** [BRP14, GTSC14, LSVW10, MMM13, Ost10, vdVR12b, AJV11, ASK+13, BHS14c, BPS14, BRSS11, BRS13, BKV12, CS14c, DLZ+11, DLLW14, DR14, HA14, LD12, Man12, MNF+10, Mét11, Mön13, SAM10, SSS11, SM10, Sti12, TNK10, TDVG13, WS10a, WdHX10, WKMJ13, YYY+14, YDN10, YD12, fZlC11, ZLL10, ZWL10, ZPGO10]. **Optimization-based** [BRP14, GTSC14, LSVW10, BRSS11, BRS13, Mön13, YD12]. **optimize** [TK14]. **Optimized** [LLYE12b, ZY13, BSS14, CR14, GYL12, NDB12, TH14a, VG14]. **optimizing** [And13]. **options** [RA10a]. **orbital** [MIKG12, SP14b]. **orbital-free** [MIKG12, SP14b]. **orbitals** [Men12]. **Order** [SYV17, AB12, AINF13, ANIF14, ALR11, AQ11, ABL+11, AM12, Ain14, AL10, AMP14, AF11, AN13, ACCM12, ABK12, ABK13, AT13b, ABJ+12, BHB11, BMS12, Bal12a, BH12, BNT14, BWC11, BGH10, BvBZ+10, BD13, BYCC14, BS10a, Boe11, BWMG14, BK14b, BBD11, BX12, Bre12b, BL10, BL13, BLR14, CIJS14, CYK+14, CX13, Cap11, CD10, CCD11b, CS12b, CPCU13, CS14b, CH10, CSX14, CGMQ14, CDL11, CDHM11, CdCD12, Dai13, DEH11, DMT+11, DMM+13, DLGP13, DFNNRdlA14, DL13b, DCC+13, DKR14, DAEB13, DRZ14, DCL11, DSZ13, DWZ10, DKA12, DV14, EO11, EAN11, Fan14, FPN+13, FL13, FW12, FCYF11, FC13, FVR13, FP14, FMM+10, Gao13, GNGAS10, GBNS14, Ge10, Gen13, GL14, Ger12, GMC13, GM12a, GH11b, GITW12, Gri12a, GCL13, GLWW14, GH12b, GCH14, GXS14, HH12a, HAMA14, HdCNT12, HBAP10]. **order** [HSD11, HRBK10, HRCW13, HE14, HWST12, HOK10, HTHG14, HM10, HLT10b, HAS13, HAH14, Hua14, Ide12, IX10, IG14, JNSA12, JZ11, JLZ13, KK10a, KKLR10, KLMJ12, KVM12, KKS13, KF13a, Kat14, Kaw13, KKvZB14, KSR+14, KAFB11, KH11, KEGM10, KVBP+14, LH10a, LTC10, LFL11, Le 14a, Lee14b, LPE+11, LKLG14, LSBJ14, LGC13, Ler13, Ler14, LLZ11, Li10b, LXF10, LX12, LR12, LP14a, LT14, LGLX14, LY13b, LN10b,

LM14a, LS13d, LWS14, LJG14, LM13, LLS11, LL14b, LQ11, Luo13, LB10, MDTC11, MDTC13, MF14, MB12, MAB+13, MKGV12, MN11, MIJ10, MTT13, MZ11d, MZ14, MTB10, MT10, Mig14, MF10, MTG11, ML13, MTS+11, MAD13, Mön13, MSB14, MF13, MIKG12, MNL+13, MWW+13, MPT13, NMCZ14, NPC11a, NPC11c, NDBG14, Nis10, Nis14a, Nis14b, NCKN10, NMT+12, OS11a, Ols11]. **order** [PDSS10, PMM+11, PGLT10, PVLT10, PGL11, PCF+13, PL10, PRL10, Per13, PPWZ11, QLW14, QC10, QS11a, RV10, RZ10, RA10b, RS11, SRN10, SVK14, SGS13, SSHT14, SHCY13, SM11b, SLGB12, SZ10, SQC11, SZH12, SFCF10, SCY11, SR11, SYV14, SK12b, Sou14, SN13b, SDH12, SD14c, sSLxRyZ14, SY14b, SIDG13, TS11, TWSN12, TAI11, TK12, TK15, TDVG13, Tit12, TR11, TGGT13, Tyl14, UKP14, UJvL10, UJ12, VK12, VLM13, VWPF11, VWF13, VQRD11, VCJ11, VSK10, VQVD11, Wan11a, WMI10, WPP10, WYS+11, WSYS12, WZSN12, WGX13, WLW13a, Whi10, WAM14, WSBG10, WP14, Wit10, WG14, WYT14, XQXC14, XDZ+14, XW14, YL11, YXZ13, YHM12, YYB12, ZT13a, ZF12, ZS10a, ZS10b, ZS11, ZS12, ZZS13, Zha10b, ZTL13, ZD11b, ZCW11, ZF14, ZWH+12, ZDSP11, vHtTBC11, vdVR12a, vdVR12b]. **ordered** [LCE+10]. **ordering** [SC10]. **ordinary** [CX13, LCY11, RH13, TS14, WH11]. **ordinates** [CFW+13, GD10, GL12a, GLC+11, LTSH10, MM11]. **ordinates-spherical** [MM11]. **organized** [DH13]. **organizing** [Phi14, RSS12]. **oriented** [BDA12, ID10, LDA10, MB13b, MTD14, VB13, WR11, YS12b]. **origin** [BdCB11]. **Original** [HVD13]. **Orthogonal** [WTYC13, YZX14, AV13, CRG13, CHZ13b, CHZ13a, CSK14, FF12, Gri12b, Liv10, Pir12, ULS13, WABI11, ZJW12, Zie11, CSK13]. **orthogonal-curvilinear** [Zie11]. **orthotropic** [Ber14]. **oscillating** [HVT12]. **oscillation** [FDHP11]. **oscillation-free** [FDHP11]. **oscillations** [ÁCB12, KWHD12, Le 12, LKCY11, LY13a, SM11c, WHB14]. **oscillator** [BV13, MJK13]. **oscillatory** [CCD11b, CRT14, CLM13, DB13, FSTY14, FCYF11, HKLY13, HWA10, IG14, JN12, LQ10b, LWS14, MC12, MSD12, WLW13a, WW14, WJC13, WWS13b, YF14]. **Oseen** [Sha13]. **Osher** [LTCN13]. **Osher-type** [LTCN13]. **Ostrovsky** [MYM12]. **other** [YS11b]. **outcome** [GSTB13]. **outer** [Zho10]. **outflow** [Don14b, DKC14, GCA13, LFK11]. **Output** [FL11a, Hic12, KF13a, BN12, BZ12, BZKL13]. **Output-based** [FL11a, KF13a]. **outputs** [MM10]. **overdamped** [MDPTK13]. **overfilled** [Du11b]. **overlapping** [ABHS12, BAG12, GK10, JC13, OD12, RHB12, SFWP10]. **overset** [PB13b, RS14a, SSS10, TQW14, WDP+14]. **oversight** [vL11]. **oxide** [BBCH+12].

P [vL11, ARF12, NOT14]. **P1** [Hua14]. **Pacific** [OMCO14]. **package** [KAG14]. **packages** [DZL13]. **packet** [RS13b, RS14b]. **packets** [Zho14b]. **packing** [LJ13a]. **packs** [SJ10]. **paddle** [OBT12]. **Painlevé** [FW11]. **pair**

[CH11b, RKD+14]. **pairing** [PMF13]. **pairs** [GL14]. **panel** [HK14]. **panel-based** [HK14]. **parabolic** [ARR11, BdF10, LD14, LM13, LHV13, LB10, MST14, MBA14, NS14b, Whi10, YWY10]. **parabolized** [UN13]. **paradigm** [BZKL13]. **Parallel** [BLTO11, CBTR13, FB11, Gen13, GL12a, GFK13, JMV+12, KK10b, KMvM+12, KH11, NS11b, RK14, RHGT10, SFWP10, TRSMM+13, YC11, ARR11, ARR13, AAI10, ADT14, AJG+13, AKP+12, BC10a, BLRR11, BPOS12, CDSP13, CC12, CBGK13, DGM13, DZL13, FT11, Fuj11, GG10, GM12b, GMG12, GMXG14, HOK10, Her10, HPLS10, HH13, HWHW10, ITO+10, LS10a, LC14, LFLV14, MMM13, MMM11, NIN+14, OTV13, PZG14, PBdGP14, SLT+14, SSB+12, SYE10, TDU14, TPA+13, Wan13a, GRT12]. **Parallel-vector** [NS11b]. **parallelepipeds** [KST13]. **Parallelization** [SNS10, CNSFD13, Kim13]. **parallelized** [CS13, RBNS+12, RBNS13]. **Parameter** [AR14, BMK11, BMK12, ECDB14, EWH13, GHM10a, GHM10b, HBAP10, LA10, MPS+14, ST13, WC14a, ZD10]. **parameter-dependent** [ZD10]. **parameterization** [CZL10, XMDG13, XMDG14]. **parameterize** [KM14b]. **Parameterizing** [ZZK+14]. **parameters** [BND+12, GMT10, IWG13, OBNN13, OBNN14, XMS12]. **Parametric** [BNP10, AKMD14, BGN10]. **Parametrization** [ZM14]. **parametrized** [XQX13]. **Parareal** [BLM+14, BERB+12, RBNS+12, RBNS13, SNS10]. **paraxial** [AC11]. **part** [SM12a, SM12b, AP11, AP12b, Bal14, BHS14a, BHS14b, BD10a, DL13a, DL13b, DEKBF14, FNGV14, HR10, JWNL11, JPC+14, JKR14, KWJR14, KJWR14, LB14, NL12b, PZW14, PZG14, PRA13, RPA13, RS13b, RS14b, SG10b, SG10a, SG12a, SG12b, SYY14a, SYY14b, YS11a, YS11b, ZMD+11, vdVR12a, vdVR12b]. **partial** [AP12a, ARR11, CCLS10, CHZ13b, CHZ13a, DA14, FVR13, GM11a, GM14a, Gri10, JHF10, JTXZ12, LLZ11, LS13c, LM13, MZ10, MGN10b, NP12, Pir12, RH13, RHB12, WZ13, XH14, YXZ13]. **Partially** [Bea12, JKW11, Gio10, Har11]. **participating** [SRS14]. **Particle** [DGAH10, ILM+13, KHRD11, Lap12, LFK11, Lip12, MDPTK13, PAG11, AHA12, AHA13, AP11, ADMA13, AJG+13, AF13, AW14, BR10a, BLOdV14, BILM14, BBC+13, BBGP14, BM10a, BKW10, BPHK13, Bre12b, CD13a, CCB13, CP14, CWL10, CCB11, CCB12, CC13, CCMG+13, CCL+14, CWZ+11, CBGK13, DTG+14, DRW11, DC13, DG12, DKW10, DF10b, ES13b, FCY13, Fuj11, Fuj13, GPY14, GG13, GM11b, GLC+11, GHP13, GJ14b, GP13, HT14, Her10, HMM+10, HLZ14, KKPV12, KF12, KGKS13, KIG11, KG11, KG13a, KWH10, KHJ+13, KSB14, LBC14, LTC13, Lap11, LLZ11, LC13, LTL+14, LXSR12, LT11b, LEHA10, LWF11, Mac10, MC12, ML11a, Mar10a, MS12, MB11, MPWK13, NS11b, OBNN13, OBNN14, PTM13, PBT14, PWK11, PMF13, PP14, Pri12, RPV13, RSS12, RSFS13, RBCK10, Ros10, SRS10, SBA13, SC11]. **particle** [SY12c, STD+10, SGV13, Tau12, TE14, TAAY14, TP12, TVEC12, UPDB13, VB13, VdMS+14, WPP10, WLL13, WZG+13, WK13b, WAM14, Zha10a, ZF14, ZKKF10, vDS12, DDN+10, DC13, Lip12, MHL+14]. **particle-fluid**

[AF13]. **particle-grid** [AP11]. **Particle-in-cell** [DGAH10, KHRD11, ADMA13, CCB13, CCB11, CCB12, CC13, CCMG+13, CCL+14, CWZ+11, DTG+14, Fuj11, GHP13, HT14, KGKS13, KHJ+13, KSB14, ML11a, DDN+10, DC13, MHL+14]. **particle-laden** [Bre12b, CD13a, MB11, VdMS+14, ZF14]. **particle-LES** [GM11b]. **particle-mesh** [DF10b, Lip12]. **particle/finite** [PP14]. **particle/finite-volume** [PP14]. **particle/level** [TVEC12]. **particle/level-set** [TVEC12]. **particles** [ARF12, AC11, Dai13, DLM+13a, GHS12, ID10, LLdSC11, LTC10, LZC+13, Liu11a, LR13, MD13, MGN14a, OTV13, PLT14, PSF+14, TE14, vydCNS+10]. **particular** [LGE+13]. **Particulate** [PB14b, AF13, KM13, Zoh13]. **partition** [Gil13, OJW10, SAHS14, YL14a]. **partitioned** [AV13, BK12a, BHS14a, BHS14b, NPV14, RS14a]. **parts** [BN12, DBZ14, Hic12, MA13, Mat14, NL13, SN14]. **passage** [BBAP14, DBO+10, MSS+14]. **passing** [GBS+14]. **passive** [GHM12, LBC14, VXB14]. **past** [SSS10, WPKK12, Wil13]. **patch** [BRVE12]. **patches** [GK10, RCW11]. **path** [DH13, QA11, WJC13, AAT+14]. **Patient** [KVC+13, IWG13]. **Patient-specific** [KVC+13, IWG13]. **pattern** [AVKP11, KKPV12, NKSR12, SAM10]. **pattern-forming** [AVKP11]. **patterns** [HDPF11, JHZ10, LCWN12, PMMB14, PMSM12, VSC+11]. **PC** [Liu11a, NV14]. **PCG** [GM12b]. **PCKF** [LLZ14]. **PDE** [BD10a, CF11c, HA14, IH13, SK12b, SPM+13]. **PDE-based** [BD10a]. **PDE-constrained** [HA14]. **PDEs** [BFE12, BL11, CEGG14, CGM+12, DO11b, DE14, FL11b, GKG+13, GCW14, GKN+11, GJ11, HDHZ13, JPC+14, KL14a, Kha13, LJ13b, LHV13, LB10, Mar13, MNS13, SKW14, SS14c, Vai11, VK12]. **pdf** [vDS12, MJ13a, VTTK13, VWP11, WPP10]. **PDF/FDF** [WPP10]. **peer** [JKW11]. **Pegasus** [KSB14]. **Penalization** [ICC+10, ABD14, BDKV14, CP14, KKAS12, MLBS14, PBC+14]. **penalty** [AAG14, CN12, DL10a, EGL+13, HT12, HLY11, HCS11, HCS12, KL10a, LRL10, VSC+11, VdMS+14, XH14]. **penetration** [BDMP13, KSU13, SKU13]. **pentadiagonal** [Kim13]. **peptides** [ALGB+13]. **percolating** [KL14b]. **Perfectly** [KAA12, LN10a, MJ14, CVI+13, Dur14, FL13, HJK14, KKS13, LH10a, SSM14, SF12]. **perfectly-matched-layer** [CVI+13]. **Performance** [LS10a, Wei12, CS14c, DKH11, FT11, Fuj11, GM12b, GKG+13, HMOH11, JEU11, KG13a, OAKR14, SSR+13, VSK10, WD11, Wit13, ZRM13]. **Peridynamic** [OMA14, BD12, KFOS14, WT12a]. **periodic** [BG10, BD14c, CK10, Coa12, CH14, DB12, FJ12, GL13, GB13, GHL14, GLWW14, GD14, HNS12, HVD13, JTT14, JWYH10, KL14b, KG12b, LRL10, LBCL13, LT10b, MN14, Nic10, NN12, PS14b, WS14, ZVNM10, vRLPK11]. **peripheral** [GDY10]. **peristaltic** [WS10a]. **permeabilities** [dCRCS10]. **permeability** [GLL+11]. **permeable** [GGH14]. **perpendicular** [HH13]. **perspective** [HZ14]. **perspectives** [MG14a]. **perturbation**

[Ham10, KO14, LKTL10]. **perturbations** [MBS13, Wan13a]. **perturbative** [BX12]. **perturbed** [FJ12, Kha13]. **Petrov** [AWK+11, FPN+13, ZMD+11]. **PGD** [DAA11]. **Phase** [GMXG14, JR14, LC13, LZ10, TK14, AHA10b, ABL+11, ALGB+13, Ala14, ABMT12, ABMT14, BHL+13, BW13, CNR10, CSW14, CY14, CL11b, CKR14, DMHL14, DS12, Don14a, Don14b, DFW+10, ES10, FGR12, GT12, GW12, GW14, GH11b, GRS14, GJLY13, GK14, GWG14, GMG12, HHA14, HK13, HLLW11, HQL+10, HW14a, IK11, KCG14, KT14, LP13b, LQ10a, Li13, LVZK14, LHPH11, LYD10, MB13a, MF14, MFM12, MW14a, MF13, MJM13, MMJ14, PZTW12, PBWK11, PRA13, PBM11, PS14a, PS15, PM14, PZ10, RBB12, RDHK12, RB13, RPA13, dCRCS10, SN13a, SF11, SMP+13, SGS13, SNBN13, SSC13, SPF10, SX14, SHA11, SHA12, TNK10, TSLV11, TT10, TL13, VP10, VP14, VBCM10, VSC+11, WSS12, XYL12, XR14, YK12, ZM10, ZHW10, ZYHW13, ZMQ13, ZHY13, ZN14b, ZYF+10, ZWJW10]. **phase-averaged** [YK12]. **phase-change** [DMHL14]. **Phase-coexistence** [LC13]. **Phase-field** [LZ10, CNR10, DS12, DFW+10, GH11b, GRS14, GMG12, LVZK14, PRA13, RPA13, ZYF+10]. **phase-less** [IK11]. **phase-space** [CKR14]. **phases** [LCE+10]. **phenomena** [BP13b, HZ11b, IBO14, JXD14, LL14a, RBK13]. **phonon** [NSA11]. **phonons** [MM11]. **photoelectron** [WLPG11]. **photoionization** [GH12a]. **photon** [RKD+14, WLPG11]. **photon-photoelectron-counting** [WLPG11]. **photonic** [BSS11, HCD11, HCH+10, MNF+10]. **Phys** [ASS17, CFCA13a, Dav15, Gho17, HY11, LWD13a, NHT+13, OBNN14, PS15, SYV17, SS14b, TK15, XMDG14, YKWS13a, ZJS15]. **Physalis** [Liu11a, GP13]. **physical** [BBC+12, FQV13, Hen13, WJC13]. **Physically** [DR11, BNM14, BGBR12]. **physically-based** [BGBR12]. **physicochemical** [CHKT13]. **Physics** [ASXZ14, Dad12, EH15, HSK+15, KAB+14, PRH+14, XS15, ASGW11, ASK+13, CNST13, Gra10, HMM14, KEG+12, MMIW14, NB14, Ton14, TBNT11, Try12]. **Physics-compatible** [KAB+14, PRH+14]. **PIC** [AW14, CN10, GV13, GVH14, GV14, Lap11, TP14, YXD+14]. **PIC/fluid** [TP14]. **piecewise** [Gon10, HLY12, KJ11, fZlC11, ZWL10]. **piezoelectric** [CVI+13]. **pinch** [YFL+13]. **pinch-off** [YFL+13]. **PIROCK** [AV13]. **piston** [ZYLK13]. **Pitaevskii** [LX14, Sal14, TA12]. **pitching** [JM12]. **PKD** [MOSW12]. **planar** [Bre12a, CSKP10, DFD14, LSZ13, Tit12, LEH10]. **Planck** [JY11, CCT11, GJ14b, LE13, LW14, LHMZ10, Mar10b, MG14b, PLT14, SJH12, TTR+12, TBNT11, Wol12, ZCW11]. **plane** [BHK+10, DB12, DKW10, JFC+13, KED+12, RKGM14, STD14, VT13]. **plasma** [AiINT14, AAG14, BBF12, CWZ+11, CKD10, CBCM+11, DCC+13, DST14, DGAH10, ES13b, GKS+11, Gür14, HH12b, HH13, ILM+13, ICC+10, KM11, KEG+12, KSB14, LA10, Lap11, Lip12, MHL+14, MMIW14, MMA13, PBC+14, PLT14, RBNS+12, SNS10, SKt10, TGT+10, TTR+12, TD12a, Unf13, ZZK+14, ZKV10, vydCNS+10]. **plasma/flow** [Unf13]. **plasmadynamics** [PMS11, PSM11, PSM13, PMS14]. **plasmas** [AHS14, BP13a, CDS13, CM10, DMR14, GP12a, HdBK12, HT10a, Jar12,

KST13, KA12, KHJ+13, Tok11a, TSR13, VHG13, VCS14]. **plasmonic** [HZS12]. **plastic** [DKR14, FG12, HPOM10, LTS+10, LKT+12, MAB+13, OLPM14, SSB13]. **plasticity** [BJLR14, RG12]. **plate** [LHM14]. **platelet** [WMK13]. **plates** [FGE11]. **platforms** [CDSP13]. **PLIC** [MZ11c]. **plus** [KK10a, RV10, Wal13]. **PML** [OJ11]. **POD** [RV10, SN13b, TR12]. **POD/DEIM** [SN13b]. **Point** [MBR11, XLD+11, Alb10, AEM13, BGGGS11, BCM12, CR13, DLC11, Her10, KED+12, KNR11, LQ11, MGJZ10, MDTC13, MMHA+12, ML14b, RA10a, SBN12, Soa13, UPDB13, WDGY10, ZMG11, ZD12]. **point-based** [DLC11]. **point-source** [LQ11]. **point-to-plane** [KED+12]. **point-value** [XIIX14]. **Point-wise** [XLD+11]. **points** [CDLL12, DS11, Li13]. **pointwise** [KG13c]. **Poiseuille** [MWRZ13]. **Poisson** [Don11, ZD11a, ARR13, AAI10, BH13b, BLTO11, BY11, BHM14, CRS14, CGR11, CCG11, CLM13, DO11a, DDN+10, DMR14, Ge10, GCZ13, GK13, GM12b, GCH14, GT11, HGMM12, HRCW13, HG11, HT12, JWV12, JM10, KTT13, Liu13, LW14, LHMZ10, MRS14a, MS10b, MS11, MNR11, MJK13, MP13, MTG11, MG14b, MY13, PRH+14, PGR10, PSF+14, QS11b, RS11, VCS14, Xie14a, XM14, ZCW11]. **Poisson-BGK** [DMR14]. **polar** [QZM+12, SCH13b]. **pollution** [JWNL11]. **polyatomic** [CL14a, Son11]. **polycrystalline** [DFW+10]. **polycrystals** [Ber14]. **polydisperse** [BDMV11, FNKdLB13, KLMJ12, VLM13]. **polygonal** [BR10b, LS10b, LSV10, NS11a, SY11a, SY12b, TR14, WGD12, WJC13]. **polyhedra** [SdAW14]. **polyhedral** [LMBB11, LM14a]. **polymer** [KCG14, KL14b, LHK12]. **polymeric** [ASK+13]. **polymers** [SJB11]. **polymorphs** [Ber14]. **Polynomial** [HG10, BS11b, BWMG14, Boy13, GvdSVK10, HWHW10, KL14a, LBR14, PHD14, PGLK14, RWX11, RLPM12, SF14, WTYC13, CSK13, JWV12]. **polynomials** [BY11, CJM13, DV13a, Gon10, KBRM12, LB14, Liv10, MOSW12, Ols12, Rem11]. **population** [BKW10, MAK14, PWK11, VWF13]. **pore** [HW14c, MB10a, OP10, RBB12]. **pore-level** [OP10]. **pore-scale** [MB10a]. **Pores** [SW10]. **poro** [SCH13b]. **poro-elastic** [SCH13b]. **poroelastic** [BCL13]. **porous** [AST12, BCL14, CTP13, CZ13, CSW14, CW14a, CL11a, DM13, DFVY14, DL10b, GPCE13, GCE14, GCFJ13, HSK+15, HZ11b, KTT12, KFOS14, LW13b, MZ11b, MF13, MJM13, MMJ14, OP10, PM14, RBB12, dCRCS10, RM14, SKN13a, SGS13, SGC13, SHCY13, SKN13b, TLG10, TL13, WT13, WHT14, WLW14, YL10, Zad11, ZM14, ZHY13]. **posed** [JZ10]. **posedness** [RNT12]. **positive** [EZ10, GM12a, RMSF11]. **Positivity** [CCGP13, CLQX13, CS14a, HAS13, Par12a, Par13, QS11b, ZS11, ZS12, Bal12a, BKC+11, GXS14, MKCB14, NV14, RS11, ZS10b, ZYS14]. **Positivity-preserving** [CCGP13, CLQX13, CS14a, HAS13, Par12a, Par13, ZS11, ZS12, BKC+11, GXS14, RS11, ZS10b, ZYS14]. **positrons** [SBS+13]. **post** [AM12, AM10, Ide12, ZL13]. **post-processing** [AM12, AM10, Ide12]. **post-smoothing** [ZL13]. **posterior** [Lee14b]. **posteriori** [DFVY14, DZLD14, ETW10, HKL10]. **posteriors** [AGS10]. **postprocessing**

[BKV12]. **Potential**
[GCBH10, GCBH13, BK12b, CLN14, CLW10, ES14, Gon10, HCP10, KJ11, LLL10, LTC14, PSM11, PA14, RTKS10, Wei12, ZZK+14]. **potentials**
[AJRT11, Gon12, JWYH10, KIF+14, KBGO13, LT10b, MTT13, STD14, VBSK10, WJTY10]. **Power** [CM13, GKG+13]. **practical** [CCGP13, Yok13]. **Prager** [LGG+13]. **pre** [ZL13]. **pre-displacement** [ZL13]. **precipitates** [DCVM11]. **precise** [LCK11]. **precision**
[CDSP13, CCB12, CBGK13, FMT11b, IKO+14]. **Preconditioned** [Fat10, HKM12, LYJ14, AD14, CCW12, HWHW10, MS10a, MP13, WD13b, XJ14]. **preconditioner** [BNNW11, DDL13, Du11a, LR11, LS13b, MMH12, SEDW13, SS14c, TEY12, VG14, Vol14]. **preconditioners**
[ABJ+12, BMP14, EL11, MY13, RF14b]. **Preconditioning**
[BGHM13, BSS12, HCH+10, NN12, Pie12, BMR14, CBPS13, CCL+14, CST12, FAY+13, Lee12a, RVbZ10, Shu14]. **predict** [GSTB13]. **Predicting** [RKM11, CLS10, RJC13, ZCD10]. **prediction**
[BCW13, CS12c, DMP14, GHM10a, KVM12]. **Predictive** [ECD14]. **predictor** [CP13b]. **predictor-corrector** [CP13b]. **predictors** [GDHM11]. **Preface** [AQ11, LPK13]. **Preliminary** [Ste14]. **premixed**
[GG10, Par10, TBMH11]. **prescribed** [MP13]. **presence** [Dai13, SSX13]. **preservation** [CS10, FF13, PP14, TFP13, ZFJ11]. **Preserving**
[CGM+12, CDK12, Bal12a, BSS14, BRP14, BKC+11, BKV12, CWL13, CW13, CCGP13, CdCNH14, CLQX13, CS14a, CS14b, DLNN12, DMR14, FJ10, Fus13, GW13b, GCW14, GJLY13, GXS14, HPA14a, HAS13, HLLW11, Hua14, JY11, Kaw13, KBS14, KAA12, LP13b, MKCB14, MMR12, MN12, Mie13, OHF12, Par12a, Par13, QS11b, RSD10, RLJ14, RS11, SY11a, SML13, TLO+14, VW14a, VKL+13, VBGM13, WZZZ14, WDGY10, WGD12, WWS13b, XQX13, XQXC14, ZS10b, ZS11, ZS12, ZYS14, CLM13, DDN+10]. **Pressure** [Hig13, HF11, MKB+12, SS10c, BD11b, CIJS14, CP10, CFKL11, DF14, FE11, KED+12, KFOS14, KS13a, LLP10, MTSG12, Min13, Par10, SM11c, SC11, SSL13, SR13d, TM10, Vre14, XPO14, ZGSZ10]. **pressure-based** [CP10, XPO14]. **pressure-correction**
[BD11b, DF14, SR13d]. **Pressure-velocity** [MKB+12]. **pressureless** [YWS13]. **pressures** [TK12, TK15]. **Preventing** [JH12]. **prevention** [NDV+11, SM12b]. **primal** [XJ14]. **primary** [KPH13]. **Principal**
[SBT14, Hua14, MZ11a]. **principle**
[Kol11, SY11a, XQX13, XQXC14, ZS10a, ZZS13]. **principles**
[NMV13, TD11a]. **priori** [FVR13, LLS11]. **priors** [LMM14]. **prisms** [BD13]. **Probabilistic**
[Gri10, MPPP12b, MPPP12a, FK10, LTT10, LM13, MPS+14, WZ13, WZ14]. **Probability** [BW14, LX10, LLX11b, VK12]. **problem**
[Alm14, AS12, AH10a, BMP14, Bal14, BGN10, BB13, BFO14, Boo11, BLR14, BCW13, CFW+13, CLN14, CB12, CRS14, CXZ10, CH10, CV10, CH11a, GW12, GW14, HLS14, IL11, JRTY11, JR12, KL11a, Lee14a, LLJ10, LW13a, LN10b, Mét11, Mön13, MCDT12, PBC11b, RSK13, Ren11, SV13, Sti12,

hT10b, TPA+13, VG14, Vol14, WPK14, WG11, WLPG11, Xie14b, XL11, YLW10, YD11, YWY10, ZYLK13, RB10]. **Problems** [YKWS13a, YKWS13b, AB12, AV13, ALR11, AQ11, AC13, AS14, AT13a, APY14, AH10b, AT13b, ABH+14, BF14, BHS12, BHS14a, BHS14b, BSSW12, BD10b, BOD11, BDMP13, BvBZ+10, BN12, BRS11, BdF10, BDM13, BOK12, BDLGC13, BDKV14, BLY10, BL13, CBPS13, CCFCM11, CNR11, CYK+14, CTG12, CCK13, CHHL11, CEL14, CR13, CdCD12, DMHL14, DDF14, Deg11, DLC11, EGW11, EMS11, EWH14, Era13, EO11, ES13a, FGE11, FGR12, FL14, FJ10, GYL12, GW13b, GLSC12, GC11, GJ14a, GLS10, GCLS11, GB13, GBS+14, GHH14, GL12b, GLL+11, Guy13, HP13, HAMA14, Han11, HHS+13, HPS13, HNMM10, HBM13, HWST12, Hen13, HLW13, HSWZ13, HY09, HY10, HY11, HCH+10, HAQ12, Hua14, HF10, HWHW10, Ide12, JAX11, JZ10, Jin12, KK10a, KSU13, KS13b, KO14, Le 14b, LKCY11, LY13a, LH10c, LT12]. **problems** [LLW14, LSZ13, LMS11, LMBB11, LRK11, LWS14, LYD10, LN14, LHM14, MWP14, MKCB14, MBR11, MDTC11, MDTC13, MF14, MM10, MK14a, MNR11, MHHGN14, MWW+13, MMH12, MV13, NTV14, NL10, NPV14, NW10, NB14, NKS10, NS14b, OS11a, PGR10, PHRG13, PR11, PvDGvM11, PRL10, QLW14, RCQL11, RA10b, Ric13, RF14b, SKU13, SY12a, SY14a, SSHT14, SR13a, SK13, SY11b, SSG11, SKCC10, SCC14, Shy10, SKN13b, SK12b, SAA14, SIT+11, SDH12, SD14c, SN14, TH14a, TD12b, TA13, UJ11, VBVD10, VRB10, VS14, WYYK10, WLW13a, WY11, WCVJ13, WL11, WGD12, ZBS12a, ZBS12b, ZK13, ZF12, ZSW10, Zer10, fZlC11, ZOJR11, Zho10, ZQ11]. **procedure** [And10, EH14, EH15, FGN14, GW13a, GP13, Her10, KKC+13, LCP13, LMZ14, SS10a, TS10, XS15, YWL14]. **procedures** [NEE12, SBB10]. **Procesi** [YS13]. **process** [BZ12, BZKL13, BHBM10, JLS+14, KKL10, PYK10, SS13b, SS14b]. **processes** [BHM11, BHM13, BCK11, BBAP14, CHKT13, FHL10, HL11, KL12a, LP12b, LHMZ10, MSS+14, RJC13, SJB11, ZM14, ZKKF10]. **Processing** [HJBB14, SSK+12, AM12, AM10, DMP14, GHH14, Ide12, KHRD11, LSK11, LLL10]. **processor** [BGZ12]. **processors** [CBGK13, KSPP10, LBRA+13, Wit13]. **product** [BGK12, DSZ13, GHDS10, OJW10]. **production** [RKD+14]. **products** [AK10, BBM14]. **profile** [BBF12, LBK10]. **profiles** [CGR11, Ler14]. **Programming** [BVM14, MNF+10]. **Progress** [LRT13, dv23, ISZ12]. **project** [Rod12]. **projected** [vVVK10]. **projection** [BB13, BFSVC14, DSHP11, GH10, HLY12, KG13b, PB14b, RV10, Ren11, SM11a, SS13a, SSL13, Vre14, Wan14]. **projections** [KST13, KMSS10]. **prolate** [Men12, WZZ14]. **prolate-collocation** [WZZ14]. **proof** [GF13]. **propagating** [LXSR12]. **Propagation** [Li12, AJRT11, Ald10, AF11, ABK12, ABK13, CZ13, CL11a, CH11b, DRZ14, DKM11, FH11, FJ12, FMM+10, GJ14a, Gri13, HBZL14, JPC+14, JKR14, KVM12, KEGM10, LH14a, LT11c, LBR14, RT14, RF14a, SCH13b, Soa13, SLC+11, TK14, TH14a, TAT14, Tok11b, TD12b, WSBG10, ZMD+11].

propellant [DLM+13a]. **propensity** [FWLP14]. **Proper** [DAA11, Gri12b, WABI11]. **Properties** [LKM13, AR14, AT13b, BMCK10, BCM+11, BP13b, CS10, CB10, DBHBB13, FD11, GCL13, HTHG14, LTC13, LKP14, LTL+14, LR13, MPT13, OL13, SSHT14]. **property** [ANIF14, Mie13, MGN14b]. **proposals** [OJ11]. **propulsion** [BBGP14]. **prosthesis** [LS13a]. **protein** [EHA14, FCH13, SBA13]. **prototype** [HvB11]. **Provably** [GH11b]. **proximal** [AKL+13]. **PSE** [CZ11b, SRS10]. **Pseudo** [MLM12, PAG11, GG14, GVH14, LZC+13, Mac10, MLBS14, MMH12, PE10, SCH13b, VHG13, Zha14, vRLPK11]. **Pseudo-random** [PAG11]. **pseudo-solid** [LZC+13, MMH12]. **Pseudo-spectral** [MLM12, GG14, GVH14, MLBS14, PE10, SCH13b, VHG13, vRLPK11]. **pseudo-subcells** [Mac10]. **pseudo-time** [Zha14]. **pseudoanalytical** [MTD14]. **pseudolikelihood** [EHA14]. **Pseudospectral** [HG10, xLqW13, Brü13, Don11, DBHBB13, GKS+11, Hen13, HT12, HDD12, PPS12, Sal14, SW11, Yin14]. **public** [BHB11]. **Publisher** [Ano13-53]. **PUFEM** [EL11]. **pulled** [LEH10]. **pumping** [WS10a]. **PuReMD** [KAG14]. **pursuit** [SCIE14]. **PVM** [DFNNRdlA14]. **pyramid** [HHA14]. **pyramids** [BD13].

QCD [APGL12]. **QSM** [ZSW10]. **Quadratic** [BVM14, FKM11]. **Quadrature** [IAM+12, KBGO13, BK14a, DKR12, SAHS14, VWPF11, VWF13, VHWF13, YF11, ZKKF10]. **Quadrature-based** [IAM+12, VWPF11, VWF13]. **quadratures** [BRS10, NCKN10]. **quadrilateral** [LX13b, WAM14, WDGY10]. **quadtree** [LBT11, PHRG13]. **quadtree/octree** [PHRG13]. **quality** [GP12b, KS11b, LLS11]. **Quantification** [BR14, AC13, AA13, BZ12, BZKL13, CPX13, CNST13, CZ13, JEX10, JNX13, LTT10, MPPP12b, MPPP12a, SP13, SM12a, WT12b, WI13a]. **quantile** [KG13b]. **quantitative** [ZTG+13]. **quantum** [AM13, AF11, ALS+14, CBKK12, GHH14, HWHW10, JC10, JLC14, JHDC10, MJ14, SD14a, SO13, Wit13, XX12]. **quantum-scale** [CBKK12]. **quark** [AiINT14]. **quark-gluon** [AiINT14]. **Quartic** [ZSW10]. **Quasi** [FVR13, GKN+11, Kim13, ADMA13, BG10, BAG12, BD14c, CLSX14, CRS12, EZ10, GB13, GLL14, NJ12, PT12, TAI11, TM10]. **Quasi-a** [FVR13]. **Quasi-Compressibility** [TM10]. **Quasi-disjoint** [Kim13]. **quasi-incompressible** [GLL14]. **quasi-lacunae** [PT12]. **Quasi-Monte** [GKN+11]. **quasi-neutrality** [CRS12]. **quasi-one-dimensional** [TAI11]. **quasi-optimal** [BAG12]. **quasi-periodic** [BG10, BD14c, GB13]. **quasi-positive** [EZ10]. **quasi-static** [ADMA13]. **quasi-uniform** [CLSX14]. **quasi-wavelets** [YXZ13]. **quasicrystals** [JZ14]. **quasidiffusion** [WAM14]. **quasigeostrophic** [GM14b]. **quasineutral** [DDS12]. **quasineutrality** [DDN+10]. **quasistatic** [SLC+11]. **QuickPIC** [ADMA13].

R13 [RTS13]. **racks** [ARF12]. **Radau** [TDL10]. **Radial**

[LSK11, ASS13, ASS17, BFE12, Boy10, BY11, Boy11, FL10, LB14, Pir12, PH13, RA10a, ST13, SPM+13, MPR12]. **Radiation** [VHWF13, BDL11, Den11b, EMSH14, FAY+13, GM10a, GD10, KKLR10, LKM13, LBS10, MSTL13, NB13, Ols11, Ols12, PWB+14, RARO13, RGK12, SS10b, SAHS14, SVS11, She13, WR11]. **Radiative** [WP14, Boo11, CGG12, DTU12, EMK11, GL12a, GS11a, HMOH11, KBGRM10, KS13b, LTSH10, MH10, MSTL14, MTS+11, OHF12, RCCC14, SRS14, WL11, ZYT13, ZTL13]. **radiative-transfer** [DTU12]. **Random** [DG12, GL13, PDC13, STD+10, ARR11, ARR13, Ber14, CW10, CZ13, GKN+11, HPS13, Hel11a, Hel11b, HW14c, KSK13, LJ13a, LTT10, MTAC12, MJM13, MMJ14, PBB14, PSDF13, PAG11, Ran12a, RWX11, SJ10, Wan13a, ZT10b]. **Randomized** [KSK13]. **range** [AF13, JSX10, PA12]. **rank** [DST14, HW11, Ran11, Ran12a, Ran12b, Val14]. **Rankine** [Guy13, ZMD14]. **RANS** [ECD14, GHS13, HHL11, WMYYG10, XJ12]. **RANS-LES** [GHS13]. **rapid** [VBSK10]. **Rapidly** [BD14c, JM12, STD14, Sto13]. **rare** [LLX11b]. **rarefied** [BCHM14, BM14, CVIA10, GJ14b, LXM14, MZ11d, RTS13, Tit12, TA13, XH10]. **rate** [HAD10, JW11, JXD14, MMSI13, MPPP12b, MPPP12a]. **rates** [SR13a]. **ratio** [BLR13b, LP13b]. **rational** [BX12, CHHL11, HLW13]. **rational-function** [HLW13]. **ratios** [AF13, CCKCG10, DS12, Hel11a, HK11, KG13a, LRT13, MOV12, Par10, dv23]. **ray** [RKD+14]. **Rayleigh** [And10, CLAL14]. **RBC** [Ler13, Ler14]. **RBF** [BMCK10, BMK11, BMK12, BFE12, Boy11, DO11a, FLB+12, FL11b, HCD11, KBGRM10, MDTC11]. **RBF-FD** [BFE12]. **RBF-generated** [FLB+12, FL11b]. **RBFs** [Boy11, MDTC13]. **re** [CRS14, Den11b, FB11, HAH14, MD14]. **re-averaged** [HAH14]. **re-emission** [Den11b]. **re-entry** [CRS14]. **re-initialization** [FB11, MD14]. **reacting** [HK13, KSR+14, LI14, MFM12, PZW14, PZG14, SRN10, VWP11, YYB12, vVVK10]. **Reaction** [Sch13a, AV13, Atz10, BCK11, BBAP14, CYK+14, DL13c, DBO+10, FHL10, FF12, FWLP14, Gui12, HL11, HLDP14, ISZ12, JZ13, LCWN12, LHMZ10, MSS+14, MPPP12b, MPPP12a, MT14a, Nag14a, Nag14b, PBB14, SR13a, TCW+10, ZLCW14, ZOL+11]. **Reaction-diffusion** [Sch13a, Atz10, BCK11, BBAP14, CYK+14, FF12, FWLP14, HL11, HLDP14, LCWN12, SR13a]. **reaction-diffusion-advection** [ZOL+11]. **reaction-drift-diffusion** [MSS+14]. **reaction-subdiffusion** [DL13c]. **reactions** [BSDM12, KLB+14, KF13b, PDC13, Pud11]. **reactive** [BR11, Cam13, CGC+12, CGF+13, KIF+14, KAG14, MKCB14, NV14, NMV13, NS14a, PP14, RXLS14, TLG10, VTTK13]. **reactive-flow** [NS14a]. **reactor** [MAK14, SSFM12]. **real** [BSCML13, BBF12, BB12b, CGF+13, HPA14b, ITO+10, NIN+14, RPC14, UN13, VSC+11]. **real-space** [HPA14b, ITO+10, NIN+14]. **real-time** [BSCML13, NIN+14]. **ReALE** [LMS+10]. **realizability** [OHF12]. **realizability-preserving** [OHF12]. **Realizable** [VWPF11, VWF13]. **really** [Den11a]. **recognition** [NKSR12]. **reconnection** [LMS+10]. **reconnection-based** [LMS+10]. **reconstructed** [LLN+10, LXS+13]. **reconstructing** [CF11c, KSS14]. **Reconstruction**

[BBF12, AM10, BFR13, BNM14, BP13b, CLN14, CY12, Cha14, CTJT13, DFD14, DS11, GMB10, Gao13, GW13a, HD13, HS13b, HG10, Hu13, HQL+10, HAH14, IST+12, JSX10, JLZ13, KGSS10, LCP13, LMZ14, LXL+12, LXS+13, Mig14, NS11a, SS10a, SLH+11, VCJ11, WCVJ13, XLD+11, YF14, YWL14, SYJ11]. **reconstruction-based** [LXL+12]. **reconstructions** [PB14a]. **Recovering** [CGR11, BKV12]. **Recovery** [HLY12]. **rectangular** [CS13, FS10a, NDV+11, ZS10b]. **Recursive** [TVE14, BMP14, Ren11]. **Redistribution** [Chi12, BUH11, BBPC14]. **reduce** [BDTW10]. **Reduced** [AB12, BBD11, HBAP10, HW11, RV10, RA10a, SBT13, ACCM12, BH13c, CIJS14, CD10, CKR14, FPN+13, FHMS11, GHS12, GL14, Gri12a, HSD11, KJC13, LP12a, SM11c, SLGB12, Sza12, TS12]. **Reduced-order** [BBD11, HBAP10, CD10, HSD11, SLGB12]. **Reduced-rank** [HW11]. **reducing** [AP11, LH10d]. **Reduction** [BF14, BdCB11, CFCA13a, CFCA13b, DRZ14, EGG12, MLM12, SN13b, TPF11, XFB+14, YP13, ZD10, vydCNS+10]. **reference** [BPQO13, BN14b, LGE+13, LBS10]. **refined** [BCHM14, SKU13, UJ11, ZJL+14]. **refinement** [BLOdV14, BCK11, CGG12, CY14, CN10, DZHB13, EH14, EH15, ETW10, FL10, Fuj11, GWCA14, HHL11, HB13, JLY10, KWSJ11, KG14, LMLC12, LGP10, LH10b, LN10c, LBM14, MSTL14, OS12, PWB+14, Phi14, SQC11, SEBG12, VRB10, Wan10, WR11, XS15, DMMGM14]. **reflection** [LL14a, MZ14, WK14]. **reflective** [MK12]. **reformulated** [Dri10]. **reformulation** [MMT14]. **Reformulations** [MT14a]. **refractive** [SVS11, She13]. **regeneration** [YCY11]. **regenerative** [SR13b]. **regime** [LT11a, LQB14, Rie10]. **regimes** [AP11, LYXZ14, OMCO14, RGK12]. **region** [WT13, WTYC13]. **regional** [YCH+13]. **regions** [AHS14, CY14, NDB12]. **regression** [BZ12, BS11b, HMM14]. **regular** [CF11c, HW10]. **Regularization** [ISZ12, BFR13, BC14, LBCL13, LDN+10]. **regularizations** [CCLS10]. **Regularized** [OBNN13, OBNN14, BM10b, BM11, CGJ11, CCLV10, CH14, OLC13]. **Regularizing** [Alb10]. **regulated** [KF13b]. **Regulator** [JS13a]. **reinitialization** [HMS10, RB14]. **reinitializing** [Min10a]. **related** [Ber14, FJ10, KYP+14, LWD13a, LWD13b, RSS10]. **Relation** [SC12, BSS14, GDGP11, LS13d, RSD10, Rem11]. **Relations** [PBM11]. **Relationship** [Oli14]. **relative** [MK14a, dCRCS10]. **relativistic** [AK14, AiINT14, ALS+14, BD11a, DGAH10, GV13, GHH14, KMvM+12, KB14, Mar10b, QY12, Ros10, SBS+13, SS10d, TiI11, TP14, WT14, YHT11, YT12, ZT13b]. **relativity** [CH10]. **relaxation** [GLSC12, Gra14, HW14b, PBM11, PC13, XMS12, YM14, YN10, ZL13, Chi12]. **Relaxed** [BNNW11]. **Relevance** [SR13b, DF10b, WCM+14]. **Reliable** [SLGB12]. **remap** [BCD14, BRSS11, BRS13, BRP14, KS14, LEM11, OS11b, OS14, Wal13, ZS14]. **remap'-based** [LEM11]. **remapping** [BBG+11, KS12, LSVW10, VKL+13]. **remedy** [OAXL13]. **remeshed** [RCW11]. **remeshing** [DDF14, MC12].

remodeling [SR13b]. **remodelling** [GDY10]. **Removing** [DE14]. **renormalized** [AH13a]. **repair** [MPR12]. **Reparameterization** [BJ12]. **repeating** [PMSM12]. **Replay** [NT14]. **Reply** [EH15]. **representation** [BG10, BV13, CCT11, CLG13, HT10a, JSA14, JHF10, KBRM12, KNR11, LLY11, MZ10, PL12, Val14, WZN14, XFC+14]. **representations** [BK12b, RLPM12]. **Reprint** [EN14b, Nag14b]. **reproducing** [AHA10b]. **rescaling** [FR13]. **reserving** [JXD14]. **reservoir** [SGV13]. **Residual** [WP14, ALR11, BA10, DCL11, GCL13, HLSO13, HLT10b, LGC13, RA10b, RF14a, SHR13, VQRD11, VQVD11, XFB+14]. **residual-based** [BA10, DCL11, GCL13, HLSO13, LGC13]. **resistance** [BB12a]. **resistive** [ASB10, BCP13, SPB+10, SR13c, XPO14]. **resistivity** [Del13, Kaw13]. **resolution** [BLRR11, BdCB11, BLR13a, DM13, DjY14, DAA11, HHA14, JNM12, JLB+10, KWJR14, KJWR14, KBSV14, LL14a, LZZS13, Par12a, RSS12, Shy10, TRL14, WSYS12, WD11, WI13b, XPO14, vL11]. **resolve** [Den11a]. **resolved** [BBGP14, Bre12b, HAD10, JWNL11, MdVBS13, VdMS+14]. **resolving** [LR13, PDZ+14, SYY14a, SYY14b, SW10, WLPG11]. **resonance** [NLGL14]. **resonant** [JCT11, LT11a, MJK13]. **resonator** [GP12b]. **resonators** [LM14b]. **resp** [CGM+12]. **respiratory** [KKC+13]. **response** [Abr10, SSB13, TR12, VK12]. **response-excitation** [VK12]. **responses** [LJ13b, LR13, RKGM14, Wan10]. **restart** [Zho10]. **results** [APRS14, CBGK13]. **resummation** [RH13]. **retarded** [AJRT11]. **retrodictive** [VDD10b]. **reversal** [BCM12, VMS11]. **reverse** [HVT12]. **reversible** [PDC13]. **Review** [Jar12, SN14, TTR+12]. **Revisit** [XIC11]. **revisited** [CG12, FdVV12, OA10, PSDF13]. **Reweighted** [YK13]. **reweighting** [KSS14]. **Reynolds** [HRK+10, MCA+13, MGN14a, MY14, NGV14, NL12b, SH14, SCB10, WW13, vRLPK11]. **Reynolds-averaged** [SH14]. **Reynolds-stress** [NGV14]. **rheology** [CM14]. **Rhie** [ZZB14]. **Richards** [ML13]. **Richtmyer** [MJ13b]. **ridge** [BY11]. **Riemann** [AiINT14, Bal10, Bal12b, BDA14, Bal14, BBD14, Cap11, FGR12, Guy13, KB14, KMHJ10, LLX11a, MF14, MCDT12, MGN11, MGN12a, MLGN12, MGN12b, NGV14, OLPM14, PBM11, PR14a, QLW14, Rie11, RB10, SYY14a, SYY14b, SGL14, TWMM14, TT10, UN13, WKH10, WSW13, XL11]. **Riemannian** [LRS10]. **Riesz** [BTY14, ÇD12b, WXY13]. **rigid** [BHS13, BBGP13, De 10, MDM+12, Xu11]. **rigidity** [FLM12]. **rising** [HHL14]. **RK** [XQX13]. **RK-WENO** [XQX13]. **Robert** [BY11, LT14]. **Robin** [BN11, Deg11, HG11, PBT14, PGR10, PHRG13]. **Robust** [AD14, CDF11, MH10, RS14a, TGRL13, WZSN12, AHS14, CF11a, CLX14, DKC14, ELM14, FMT11b, GMT10, HLT10b, KPH13, LCWN12, MT13, MBL+14, MF10, Nor14, Par10, RGK12, RTS13, STD14, SYY14a, SYY14b, SdAW14, WFK11, WMYYG10, WI13a]. **rod** [OLC13]. **Roe** [LL14a, PBM11, PIN14, Rie10, Rie11, RB13]. **role** [JJM13, OMCO14, WKH10]. **roles** [PR11]. **roots** [Boy13]. **Rotary** [SPS14]. **rotating** [AD14, CCC12, CRG13, CT14, DH10, FW12, GNGAS10, GBNS14,

HdBK12, JTT14, MTZ14, NvdVB13, PE10, PPS12, RBS12, SP14a, ST13]. **rotation** [LdWF12]. **Rotational** [FL10, WC11, DS10, SS14a]. **rotationally** [YHM12]. **rotations** [ES13a]. **rotators** [FGE11]. **Rotne** [LGG+13]. **rotor** [XW14]. **rough** [HPV13, HLS14, LWCR10]. **roughness** [DWZ10]. **rule** [Ide12, GW13a]. **Runge** [MBA14, AV13, BMD+13, BGR11, BR11, FP12, Ian11, KKvZB14, Ket10, KHHK12, Lan14, LP14a, LLH10, NYM13, NMCZ14, NDB12, RT14, RHXQ14, RA10b, SK12a, San13, SLT+14, SK12b, Tok11b, TD11b, TD12b, WS10b, WLW13b, XCL14, ZT13b, ZS13, ZZSQ13, vdVR12b]. **running** [CDSP13]. **runs** [BGZ12]. **runup** [DKM11].

S [DL10b, LY13b, LD14]. **S-DDM** [LD14]. **S-FDTD** [LY13b]. **SA** [BMR14]. **saddle** [BGGGS11, ZD12]. **saddle-point** [BGGGS11]. **Sadegh** [HSK+15]. **sampled** [CF11c]. **Sampling** [RLPM12, EWH14, Gil13, GPS10, GGG+13, HCS+10, LLW14, PDC13, Ran12a]. **Sampling-free** [RLPM12]. **SAMR** [KSR+14]. **SAT** [LN14]. **Satisfying** [SYV17, LW14, SYV14, ZS10a, ZZS13]. **saturated** [AST12, HSK+15, Zad11]. **SBP** [LN14, MAC14]. **SBS** [MdVBS13]. **SBS-active** [MdVBS13]. **Scalable** [BC10a, CST12, KG12a, SPB+10, SS14c]. **scalar** [BRSS11, BRS13, Boe11, BHL12b, BBM14, BL13, CB12, CLG13, ES14, GMC13, GHM12, GHJ14, KKAS12, KHGW13, LBC14, MB13a, STD14, SG10b, SG10a, SC12, TH14a, VBCM10, ZS10a]. **scalar-wave** [TH14a]. **scalars** [VXB14]. **Scale** [HA11, Abr10, AST13, AKL+13, BHS14c, BPS14, CBKK12, CHKT13, DBM+12, Fat10, HNMM10, He13, Her10, JR14, JC10, JK10, KF13b, LL10a, LG14, LS10a, LHB10, MS10a, MB10a, MK14a, OAKR14, OBT11, RBB12, RG13, RE13, SQC11, SRS14, SSK+12, XHF13, XDZ+14]. **scaled** [Yok13, Yok14]. **scales** [AP12a, CG13a, Qua11, RWX11, WW14]. **Scaling** [PSDF13, ARF12, HCS+10, SSM14]. **scapula** [SR13b]. **scattered** [WMI10]. **scatterer** [VBVD10]. **scattering** [AV10, AM13, AN14, AH10b, ABH+14, BV13, Bre12a, BG13, BLR14, DWL10, DB12, Du11a, Du11b, DSZ13, EL11, FGE11, FvdB12, GH14, GH11a, GHS12, GB13, GG13, GD10, GL12b, GHL14, GS11b, HNS12, HLS14, HW10, IFD+12, IJZ13, IK11, KL11a, KO14, Le 14a, Le 14b, Lee12b, Lee14a, Li10a, LW13a, LLW14, MTT13, Nic10, RCCC14, SM11b, TY11b, WdHX10]. **Scenario** [ECD14, ERS14]. **scene** [JSX10]. **scheduled** [YM14]. **schema** [CX13]. **scheme** [AK14, AiINT14, Ald10, AST12, AH13b, BCD14, BSS14, BKC+11, BD14b, BD11b, BHM14, CN12, CWS13, CD12a, CS12a, CWL10, CJLC11, CCW12, CLZ12, CXLC12, CRG13, CL14b, CS10, CTJT13, CS14a, CS14b, CC14, CDK12, DOR10, DL13a, DL13b, DS10, DS12, DCL11, DLM13b, Era13, EN14a, EN14b, EO11, FSTY14, FH11, GMB10, hGzS11, hGzSnZ12, GW12, GYL12, Gao13, GW13b, GW14, Ge10, GC11, GCZ13, GITW12, GIMT14, Gra14, GVV13, GZZ14, GH12b, GCH14, GT11, GMG12, GXS14, HKLY13, HPA14a, HPA14b, HLT10a, HLM11, HK14, HJZ14, HWA10, HLT10b, HAQ12, HAH14, IL11, IDNG13, JCC14, KTT12, KSL10,

KJ11, KD10, KL10b, KAA12, Kri10, KHGW13, KGK13, LNU10, LGH10a, LBM10, LBT11, LTCN13, Lee13, LP12b, LKLG14, LLJ10, LLX11a, LT12, LZ13, LY13b, LD14, LL14a, LEHA10, LJG14, LYXZ14, MKCB14, MMR12]. **scheme** [MB12, MAB+13, MB11, MN12, Mie13, MT10, Min10b, MMA11, MMA13, ML13, MTS+11, MAD13, MY14, MHGNM12, MHHGN14, MV13, NYM13, NKSR12, NRS10, NMZC13, NL12b, NMT+12, Nor14, NT14, OAK11, OD13, PZTW12, PGL11, PLN11, QL12, RARO13, RP13, RzSZ13, Ren11, RRCD14, RS11, SK13, SBS11, SQC11, SZ11, SZH12, SY11a, SY12b, SCY11, SML13, SSHM10, SR13c, sSLxRyZ14, SBO11, SIDG13, SS10d, TiI11, TH14a, TK12, TK15, TY11a, VXB14, VBGM13, VW14b, WFK11, WA12, WMI10, WYYK10, WYS12b, WXY13, WZZ14, WXY14, WGD12, WYT14, XIC11, XH10, XW10, XX13, YHT11, YT12, YSW+13, YSW14, YWY10, YZ12, YHM12, YYB12, Zer10, ZN14a, ZzS11, ZYS14, ZDSP11, Zie11, vL11, SGW10]. **schemes** [AINF13, ANIF14, ALR11, Ain14, AN13, ADB14, BK11, Bal12a, BMD+13, BH12, BHL+13, BBC+13, BF12, BR14, BR12a, BK14b, BBD14, BDMV11, CCKCG10, CCGP13, CCD11b, CY12, CSK13, CRT14, CDLL12, CP13b, CSC14, CG13b, CMS10b, CLM13, CR14, Dai13, DEH11, Deg11, Del10, DMT+11, DMM+13, DB13, DA14, DZHB13, DKM11, EAN11, Fan14, FNGV14, FJ10, FCYF11, FC13, FMT11a, FE11, FMM+10, GDHM11, Ger12, GMA10, GP12a, GJLY13, GCL13, GK14, GLWW14, GDGP11, GGT13, HHS+13, Hic12, HY10, HAS13, HLLW11, JTT14, JY11, Joh11, JH12, KM14a, Kaw13, KKvZB14, KWJR14, KJWR14, Kim13, KS13a, Kol11, KVBP+14, LTC13, LEM11, Ler13, Ler14, LQ10b, LR12, LZZS13, LY14, LQ11, MC12, Mar10b, MTB10, Mig14, Mön13, MMT14, MT14a, MSB14, Mor10, MPT13, MGN13]. **schemes** [Mur10, NMCZ14, NDB12, NDBG14, Nis14a, Nis14b, Nor13, OAXL13, PDSS10, Par10, Par12a, Par13, PP12, PP14, PR14b, QL11, RSD10, RBS12, RZ10, RXLS14, RA10b, Rie10, Sen13, SLT+14, SZ10, SST10, SRL+11, SN14, TD12b, TTD11, TAD14, Tsu10, TGGT13, ULS13, VDD+13, VWPF11, VWF13, VQRD11, VCJ11, VR14, VQVD11, WPP10, WYS+11, WZSN12, WGX13, WV14, WLW13b, WCVJ13, WG11, WDGY10, WG14, Xie14a, XQX13, XQXC14, XS11, XMS12, ZS10a, ZS10b, nZzS11, ZS11, ZS12, ZZS13, ZY13, Zha14, ZQ13, vEKdB14]. **Schmidt** [AGBC14, CG13a]. **Schrödinger** [AMDR10, BTX13, CWL13, DBAV14, Don11, GH12a, HZ11a, JWYH10, LQ10a, MJK13, MZB12, QY10, RS13b, RS14b, SSR14, ST11a, SYE10, WXY13, WGX13, WXY14, WJTY10, ZD11a, Zho14b]. **Schrödinger-type** [AMDR10]. **Schumann** [Liu11b]. **Schur** [FMT11b, LTSH10, LYD10]. **Schur-decomposition** [LTSH10]. **Schwarz** [HWHW10, JC13, LLP14, VG14, YJK12]. **science** [CJP+14]. **scientific** [AC11]. **scientists** [PZ14]. **SCIVAL_BUTTERFLY** [Ano12-32]. **SCIVERSE_APPS** [Ano12-34]. **SCIVERSE_SCIENCEDIRECT** [Ano12-35]. **scrape** [MMIW14]. **scrape-off** [MMIW14]. **screens** [BL13]. **SE** [CWL10]. **sea** [LTS+10, LKT+12, LKLG14, LFLV14]. **seakeeping** [SCGE13]. **search** [RS13a, Rot13, SAM10, ZD12]. **Searching** [Mac10, Phi14]. **Second**

[CS14b, GLWW14, HH12a, JRTY11, JKQ13, ML13, Ols11, RA10b, Wit10, ZCW11, AT13b, BH12, BWC11, BvBZ+10, Bre12b, CS12b, CPCU13, CH10, CSX14, DFNNRdlA14, EO11, GM12a, GH11b, GITW12, HWST12, Hua14, JLZ13, KK10a, KKLR10, KSS14, KKS13, KS11c, KSR+14, KL11a, LKLG14, LWS14, LJG14, LM13, Luo13, MDTC11, MDTC13, MF14, MB12, MAB+13, MT10, MTG11, MWW+13, Nis14a, Nis14b, PSL20, PL10, PRL10, SSHT14, SBS11, TAI11, TDVG13, WPP10, WLW13a, WG14, ZZS13, ZTL13, ZF14, ZWH+12, vHtTBC11]. **second-** [Nis14a]. **second-kind** [KS11c, PSL20]. **Second-order** [HH12a, ML13, ZCW11, BH12, BWC11, Bre12b, CS12b, CPCU13, CSX14, GM12a, GH11b, Hua14, JLZ13, KSR+14, LKLG14, LWS14, LJG14, LM13, MDTC11, MDTC13, MF14, MB12, MAB+13, MT10, MTG11, PL10, TDVG13, WPP10, WLW13a, WG14, ZF14, ZWH+12]. **secondary** [KPH13, MK14b]. **section** [LH13, MBMV13]. **sedimentary** [LMQ+11]. **sedimentation** [BDMV11, FNKdLB13]. **segregated** [SS10a]. **seismic** [KEGM10, LDN+10, Mét11, MBL+14, SCH13b]. **Sekerka** [BGN10]. **Selection** [KL14a, LMM14, AR14, EWH14, RA10a, WI13a]. **Self** [Bal12a, DH13, YTYJ12, Bal14, BBGP14, BDLGC13, CN10, ID10, KKLR10, KA13, LZC+13, MdVBS13, Phi14, RSS12, SBS11]. **self-adaptive** [ID10]. **self-adjoint** [SBS11]. **Self-adjusting** [Bal12a]. **self-assemblies** [LZC+13]. **self-assembly** [KA13]. **self-consistent** [KKLR10]. **self-focusing** [MdVBS13]. **self-force** [CN10]. **Self-gravitational** [YTYJ12]. **Self-organized** [DH13]. **self-organizing** [Phi14, RSS12]. **self-propulsion** [BBGP14]. **self-similar** [Bal14, BDLGC13]. **Semi** [Ald10, ABJ+12, CK11, MBD13, PBB14, SZF12, AC13, BK11, BS10a, CCD11a, CdCNH14, CPCU13, CGMQ14, CP13b, CSC14, CMS10b, DHH11, GH12b, GQ13, HLM11, JSA14, KGKS13, KG11, LNU10, LGF11, LVFK14, MV13, NDV+11, PB14a, QC10, QS11a, QS11b, RS10a, RS11, RS13b, RS14b, SH11, SKt10, TS12, TBR13, VXB14, WYS12b, WD11, XQXC14, Zer10, ZYS14, Zie11]. **semi-** [KGKS13]. **Semi-analytical** [PBB14, LVFK14]. **Semi-automatic** [ABJ+12]. **semi-classical** [RS13b, RS14b]. **semi-discrete** [Zie11]. **Semi-implicit** [MBD13, SZF12, BK11, CCD11a, CPCU13, CP13b, DHH11, JSA14, KG11, RS10a, SH11, SKt10, TBR13, ZYS14]. **semi-implicit/implicit** [SKt10]. **semi-infinite** [BS10a]. **semi-intrusive** [AC13]. **Semi-Lagrangian** [Ald10, CK11, CdCNH14, CGMQ14, CSC14, CMS10b, GH12b, GQ13, HLM11, LNU10, LGF11, MV13, PB14a, QC10, QS11a, QS11b, RS11, TS12, TBR13, VXB14, WYS12b, WD11, XQXC14, Zer10]. **semi-staggered** [NDV+11]. **semiclassical** [LX14, WJTY10]. **Semiconductor** [SRN13, ÁCB12, CGR11, LS10a, MZB12, SO13]. **semiconductors** [RJG10]. **semidefinite** [MNF+10]. **semilinear** [ARR11, JZ13, RT14]. **semirelativistic** [MTSG12]. **semitransparent** [ZYT13]. **sensitivities** [TAI11]. **Sensitivity** [KWHD12, XMS12, BW14, CEP12, DRB14, HBAP10, KJC13, LA10, MRS14b, PGLK14, SG13, TNK10, VS11, Wan13b, WHB14, WH11, WG11]. **sensor** [DEH11]. **separable** [BZKL13]. **separated** [Val14]. **separation**

[Abr10, Alb10, HA11, KF13b]. **sEPIRK** [RT14]. **sequences** [EHA14]. **Sequential** [NMX12, BVM14]. **serial** [LKT+12]. **Series** [BY11, Boy10, CM13, Gno14, RH13, ZHPS11]. **servers** [RSFS13]. **set** [BOD11, BW13, BV14, BGG12, CKS14, CP12, CZL10, CWL10, CLW10, CB10, CV10, CF11c, CKR14, CST10, DCVM11, ELM14, FB11, GRT12, HMS10, HQL+10, Hys12, KL12a, KAFB11, LSM14, LP13a, LDM14, LLYE12a, LLYE12b, LWF11, LZZR10, MCLG10, MD14, Min10a, NRS10, NW10, OD13, PHRG13, RB14, SOG14a, SM11a, Sam14, SN12, SZ10, SKR14, TVEC12, VDD10a, VB13, WSS12, WJTY10, WZ10, XYL12, XR14, YYY+14, YL14b, ZT10a, fZlC11, ZLL10, ZWL10, ID10]. **set-based** [WZ10]. **set-front** [BW13]. **set-volume** [WSS12]. **sets** [ABD14, CCFCM11, SJ10, WMI10]. **setting** [RSS10]. **seven** [BY11]. **several** [BJLR14]. **severely** [DKC14]. **severely-truncated** [DKC14]. **SGS** [PVLT10, PGL11]. **Shadowing** [WHB14]. **Shafranov** [PCF+13]. **Shallow** [FLB+12, AIX10, ABS+14, BNT14, BF12, CVC12, CRG13, CLSX14, CT14, DLGP13, DFNNRdlA14, DMMGM14, DKA12, DLM13b, DLM13c, FNKdLB13, FMT11a, Gas11, IX10, Ion13, JTT14, KJ11, LT11a, Le 12, LBT11, LGLX14, MHGNM12, MGN10b, MGN11, MGN12a, MLGN12, MGN12b, MGN13, OBT12, PE10, PBM11, Pud11, RBS12, RVFK14, SHR13, SST10, SN13b, TS12, TBR13, UJvL10, Xin14, YC11, Zho11, vTCL+10, vV12, RB10, SP14a]. **shallow-water** [BF12, CT14, Le 12, SHR13, TS12, UJvL10]. **Sham** [FGZ12, LLYE12a, LLYE12b, LSE13, MNL+13, SL13a, SBO11, ZCS14]. **Shannon** [GPS10]. **Shape** [TNK10, WS10a, AJV11, BMK11, BMK12, DRB14, HBAP10, KIG11, MGN14b, STC10a, SM10, TDVG13, WFL10, ZMG11, ZWL10, ZPGO10]. **shaped** [HZS12, Par12b]. **shapes** [SHFB12, SJ10, SDH12]. **Shapiro** [Fal13]. **shared** [NS11b]. **shared-memory** [NS11b]. **Sharp** [CCGP13, Bea12, CDT13, DvW14, FK14, HHA14, HWW10, KSU13, LP13b, LZZR10, SN13a, SM11c, TDVG13, ZJL+14]. **sharp-edged** [HWW10]. **sharp-interface** [CDT13, SN13a, SM11c]. **sharpening** [NKF14, SX14, SHA12]. **Shaw** [GXX14]. **shear** [BKW10, CD12a, CLG13, CZ11b, CSKP10, GDY10, HCS12, LW11, LDE+13, RG12, SH14, SL13b, Wan13a]. **shear-stress** [SH14]. **Sheath** [PSM13]. **sheet** [Alb10, LPE+11, LJX+14, PTM13]. **sheets** [CMG+13, JG13]. **shelf** [PTM13]. **shell** [Brü13]. **shells** [BHS14b, GNGAS10, GBNS14, JNW+14, LT10a, LW11]. **Shepp** [BY11]. **Sherman** [CP14]. **shielding** [NB13]. **shift** [OMCO14]. **shifted** [CH10, SHZF12]. **ship** [PMMB14]. **Shock** [BD10a, KS11a, KYP+14, PB11, AH13b, CHC11, Coo13, DEH11, HRBK10, Ian11, JLB+10, KS13a, Ler14, NHE14, NVS13, OAXL13, PPWZ11, RCQL11, RZ10, SBC+14, Sco12, SZ11, YKWS13a, YKWS13b]. **shock-bubble** [HRBK10]. **shock-capturing** [YKWS13a, YKWS13b]. **shock-detecting** [DEH11]. **shock-disturbance** [RZ10]. **shock-fitted** [NHE14]. **shock-fitting** [PB11, PPWZ11, RZ10]. **shock-stable** [KS13a]. **shock-structure** [Ian11]. **shock/complex** [SZ11]. **shock/obstacle** [CHC11]. **shocks**

[Gno14, Ler13, Ler14, SG13, TAI11]. **Short** [iT14, BDT10, Don11, Gon12, SSL13]. **Shortley** [JM10]. **shot** [DRB14]. **shrinking** [ZD12]. **side** [SMP+13]. **side-by-side** [SMP+13]. **sided** [HH12a, MY13]. **Sign** [Hua14, SKCC10]. **sign-changed** [SKCC10]. **Sign-preserving** [Hua14]. **signals** [BGM12, BH13c]. **signed** [ERT10]. **silica** [KIF+14, MPWK13]. **silica-water** [KIF+14]. **silicon** [KIF+14]. **silicon-water** [KIF+14]. **similar** [Bal14, BDLGC13]. **similarity** [Deg11]. **simple** [BD14a, CLZ12, DV13a, GM12b, GITW12, GIMT14, GT11, KST10, NKF14, Ran12b, TGO13, WYS12b, XIC11, YS12a, YSW14, Zer10, ZS13, KKO13]. **Simplex** [WI13a, SD14c, WI13b, YD12]. **simplified** [BLRR11, Don11, GHM14, OLFS13, Tau12]. **simplifying** [LEM11]. **simulate** [DRZ14, FRP14, Ich13, TQW14, WYYK10]. **simulated** [SHFB12]. **Simulating** [De 10, GWG14, HZ11b, KL10a, LP12b, MNKS13, NW12, RR14, ACB+13, CD13a, CTP13, FMM+10, HKL14, JCT11, KLMJ12, Liu11a, LHPH11, LHMZ10, MAB+13, MCJ14, MRD13, RS10a, SY12c, SM12c, TK12, TK15, VDD10a, VRBZ11, Wei12, WS10c, ZA14]. **Simulation** [AMDR10, BCL13, CCKCG10, CMS10a, CKD10, FK14, HM13, LZC+13, MFM12, MDH+10, MLBS14, NVS13, PMM+11, SKU13, SBS+13, WYC13, YS11a, YS11b, YM10, Zha10a, ALGB+13, ADSF13, AST12, ABK12, ABK13, AKL+13, BVM14, BPM13, BHM13, BBCH+12, BGGW13, BA10, BBC+13, BI11, BCD14, BCL14, BPOS12, BJLR14, BHM14, BP10, CCD11a, CKS14, CCFCM11, CD12a, CD10, CBKK12, CDT13, CWL10, CW10, CWC11, CW14a, CPCU13, CWZ+11, CVI+13, CGF+13, CBCM+11, DR11, DLDL10, DV13b, DD12, DM13, DLM+13a, DWZ10, DL10c, EBGW13, FHL10, FWLP14, Fus13, GLLP14, Gao13, GCA13, GCFJ13, GP12a, GW10, GHM13, GP13, HS13a, HSD11, HRBK10, HL11, HLDP14, HB13, HH12b, HH13, HA11, HCS12, HHL14, HWHW10, Hys12, JNSA12, JTT14, JYHT10, JEU11, JLS+14, JK10, JMGN13, KH13, KSL10, KM13]. **simulation** [KF12, KSP13, KH11, KL10b, KO12, KHJ+13, KA13, KHHK12, KAG14, LFL11, LA10, LCNK10, LSBJ14, LHY13, LMZ14, LWZ+13, LFRM10, LZV12, LGH10b, MB10a, MS14a, MMSI13, McD14b, MTT13, MGLS12, MVS13, MJ13a, MF10, NT14, Oli14, OL13, OTV13, OAK11, OLPM14, PZW14, PZG14, PGLT10, PL14, dlLPC10, dlLPCP12, PPWZ11, RVB10, RG13, RZ10, RRD+14, SBB13, SPS14, SZF12, SR13b, SZ10, SFCF10, SYJ11, SO13, SPF10, Shu14, SCH13b, SW10, SS13b, SS14b, Ste14, SSK+12, SSY13, STC10b, TSL+14, TE14, TD12a, TAAY14, TRSMM+13, TRL14, Unf13, VDD10b, VBGM13, VSC+11, WPKK12, WWX+10, WDP+14, WK13b, WS14, WTSZ10, XX12, YSW+13, YSW14, YL10, YJK12, ZYHW13, ZN14b, ZMD14, Zoh13, vRLPK11, RS10b]. **Simulation-based** [HM13]. **Simulations** [FSL+12, GCvRK11, MMV+13a, MT14b, Qua11, RG12, ARR13, AAI10, AHS14, ADT14, AWK+11, AJG+13, AW14, BHB11, BCHM14, BB12a, BHM11, BNM14, BILM14, BPQO13, BPS14, BSS14, BSCML13, BLJ11, BLR13a, Bre12b, BM14, BLY10, CB11, CNR10, CCL+14,

CY14, CVIA10, CSK14, CGMQ14, CBGK13, CL13, CSB14, CLAL14, CGC+12, CMBW13, Dav10, Dav15, DHN11, DD12, DC13, DXB+13, DTU12, DS12, DKC14, DBM+12, ECD14, ES13b, FBM14, FLB+12, GB14, GV13, GLC+11, GAV13, GK10, Gri12b, GFK13, GWK10, GH12b, GKS+11, HAD10, HCS+10, HCH+10, Hut14, IFD+12, ILM+13, JLB+10, JMV+12, KSS14, KF13a, KM11, Kea14, KLP10, KIF+14, KLPS14, KSB12, KWH10, KA12, KHRD11, KG14, KYP+14, KF13b, KGSS10, KGK13, Lan14, Lap12, LL10a, LY13a, LH10b, LLX11a, LEH12, LC13, LS10a, LT11b]. **simulations** [LHB10, LBZ+10, LWCR10, LYXZ14, LDDBR13, MHL+14, MMM11, MdVBS13, MOV12, MGN14a, MJK13, MJ14, MMA11, MMA13, MVCFM13, MJ13b, MBGW13, NKSR12, NS14a, NS11b, OK12, OBT11, PPS12, PAG11, PSF+14, PC13, PA12, PA14, QB14, RSS12, RXLS14, RBNS+12, RBNS13, RRCD14, RPC14, RHGT10, RDHK12, RSFS13, RB10, RBCK10, SNS10, SBN12, SKN13a, SM12a, SM12b, SJB11, SNBN13, Sch13a, SD14a, SCGE13, SQC11, SSB+12, SC11, SHA12, Sog14b, STD+10, SG13, SSK+12, SS13c, Tau12, TCW+10, TDL+14, VHG13, VF10, VKBK11, VCS14, WZG+13, WP10, WRH10, WZT+14, WY10, WY11, XDZ+14, YCY11, YFL+13, Yok13, YBK13, Zha14, ZYF+10, ZJT10, vydCNS+10, CP13a, Den11a]. **simulator** [AGSG11, LS10a]. **simultaneous** [RUL+13]. **Sinc** [ZN10]. **sine** [CCC12]. **Single** [HPA14b, BB13, GCvRK11, HL11, KSPP10, KO12, LC13, LLSW14, PRH+14, PBM11, SSS10]. **single-block** [SSS10]. **single-cluster** [KO12]. **Single-cone** [HPA14b]. **single-drop** [BB13]. **single-particle** [LC13]. **single-phase** [PBM11]. **singular** [AM11, BG12, BG13, DTYY14, FO11, HdCNT12, YXZ13, ZN10]. **singularities** [LQ11]. **singularity** [RM12]. **sink** [CD12a]. **sintering** [ZKKF10]. **six** [HdCNT12, PS14a, PS15]. **six-dimensional** [HdCNT12]. **six-equation** [PS14a, PS15]. **sixteen** [KM14b]. **sixth** [NDBG14, SZ10, sSLxRyZ14, TGGT13]. **sixth-order** [NDBG14]. **Size** [VLM13, JWNL11, JW12, NIN+14, RPV13]. **size-** [JWNL11]. **Size-velocity** [VLM13]. **sized** [JLS+14]. **Skew** [Mor10, MK14b]. **Skew-symmetric** [Mor10, MK14b]. **skewed** [Cha14]. **skewness** [DvW14]. **skill** [BGM12]. **SLAP** [Ald10]. **Slater** [Don11, ZD11a]. **slender** [BM11, FRP14]. **sliding** [BD10b, DL10c, FW12]. **slip** [RPV13, SR11, UGF14, VM10, Vre14]. **slope** [Kuz14, MMD+11]. **slope-limiting** [MMD+11]. **slopes** [JMGN13]. **sloshing** [KGG10]. **Slow** [HNMM10, Abr10, Chi12, LRS10]. **Slow-time** [HNMM10]. **small** [AST13, BBD11, FF13, GW13b, LKTL10, LHB10, MGJZ10, Wan13a]. **small-perturbation** [LKTL10]. **small-scale** [AST13, LHB10]. **smallest** [And10]. **smart** [EO11]. **Smith** [KSPP10]. **smooth** [BL10, GPY14, LB10, Mel11, RSS13, ZN10]. **Smoothed** [OS11a, PTM13, PBT14, Pri12, AHA12, AHA13, BLOdV14, BPHK13, LXSR12, LEHA10, LBK10, Ros10, Soa13, TP12, Zha10a]. **Smoother** [vdVR12a, vdVR12b]. **smoothers** [BGR11, Lan14]. **smoothing** [TM10, ZL13, ZWJW10]. **smoothness** [FSTY14, HKLY13, iIT14, ZJW12]. **Sobolev** [CJM13, MS10b, MS11, RSS10]. **socket** [LS10a]. **soft** [LG14].

Software [OK13, DKH11]. **SOI** [GM11b]. **solenoidal** [AH10a, SCIE14]. **solid** [AGBC14, ABHS12, BOD11, BN11, BSDM12, CWC11, CHHL11, DLM+13a, DKW10, ETW10, FG12, GPY14, GM12a, GKF11, GF13, HW14a, KK14, KSR+14, LZC+13, MNKS13, MMH12, OLPM14, SSY13, WZT+14, ZL10]. **solid-fluid** [ZL10]. **solid-liquid** [HW14a, SSY13]. **solid-solid** [KK14]. **solid/fluid** [BOD11]. **solidification** [BKKD14, JLS+14, RR14]. **solidifying** [KBTD12]. **solids** [BHS14a, HPOM10, LYE10, ML14a, MRD13, MVS13, SSB13, SNBN13, VSC+11]. **solitary** [BX12, SC12]. **solitons** [BTX13]. **soluble** [BS10b, CL14b, GT12, KT14, LZ10, MT14b, TSLV11]. **solute** [CVC12, GMG12, MKCB14]. **Solution** [BFE12, CGG12, GHH14, MZB12, RBS12, SHZF12, SC12, ZD10, AJ14, AS14, AK12, AME14, AT13a, ABH+14, ABPSM11, BSSW12, BGR11, BFO14, Bér11, BS11a, BSB14, BHBM10, CX13, CD13b, CGC13, CRS14, CLS13, CTSM13, Dad12, Deg11, DBAV14, DHH11, DFW+10, DTYY14, EL11, FT12, FM13, FWP13, GG10, GLS10, GDW11, GPS10, GKG+13, GL12a, GHJ14, GCH14, HM11, HP13, HGW11, He13, HLS14, HKM12, HOK10, HW10, HZS12, HLW13, IL11, IDNG13, IG14, JWV12, JTH10, Kat14, KBGRM10, KG13c, Kri10, KO14, Le 14b, Lee13, LBCL13, LH10c, LW13a, LLP14, LRK11, LTL11, MZ10, MMV+13b, MA13, MAK14, MM11, MSTL13, MY13, MVG11, MJ13b, OK14, OS12, PPB14, PE10, PMSM12, PLN11, Pud11, RE13, Sal14, SVS11, SCY11, SSX13, SR13c, SW13, Stu10, SP11]. **solution** [SS14c, Tal13, TWMM14, Tok11a, TE11, Wal13, WKMJ13, WLW13b, WG11, WS11, Xie14a, YC11, ZN10, ZBS12a, ZBS12b, ZYLK13, ZTL13, ZPF10, ZMD14]. **solution-adaptive** [GG10, IDNG13, IG14, MJ13b, WS11]. **solutions** [AEM13, AH10b, BOK12, BDLGC13, BHL12b, BKV12, CJP+14, CM10, DXB+13, EC13, FO11, Gno14, GAW+14, HM10, JHDC10, KS11b, Kol11, KS13b, KG14, KRT14, xLqW13, LHMZ10, LHV13, MS11, MP13, MGN10b, PBB14, SRSV11, SYL10, SYL12, SHM12, SSR14, SPM+13, TCL11, VK12, WCM+14, WC14a, WTK14, WWS+13a, XX13]. **solvable** [GM11a]. **solvated** [GK13]. **solvation** [CBW10, CLW10, DXB+13, Zha14]. **solve** [BR11, CGJ11, GMG12, LLJ10, NLGL14]. **Solver** [MMJ14, AH13a, ARR11, AAI10, AiINT14, AB11, ABS+14, Bal10, Bal12b, BDA14, BHL12a, BD14a, BLM+14, BYCC14, BKH12, BLTO11, Bre12a, BL13, CCT11, Cap11, CMS10a, CK10, CCW12, CDB13, DDM10, FGZ12, FW12, FMT11b, GK13, GMC13, GM12a, GB13, GG13, Gra10, GHL14, Guy13, HGSK+13, HSN13, HRCW13, HG11, HMHO13, HPOM10, HHK13, HPLS10, HT12, KB14, KKO13, LP13b, LXF10, LLX11a, LFLV14, LL12b, LL10b, Mar13, MGN14a, MB10b, MHGM14, MLGN12, NNS11, OR10, OLPM14, PCF+13, PBM11, Rie11, RB13, SBB13, SV13, SY12a, SY14a, SABH11, SP14a, SLI10, SYY14a, SYY14b, SSG11, SGL14, TWMM14, TT10, UN13, VV13, VED13, VT13, Vol14, WT13, WHT14, WSW13, WP14, YS11a, Yao14, Yin14, YYB12, YXD+14, ZVNM10, ZCW11]. **Solver-based** [MMJ14]. **solvers** [APGL12, AD14, BS14b, BBD14, BL10, EMS11, FO11,

JS13a, LL14b, LB10, MCLG10, MCDT12, MGN11, MGN12a, NTV14, NGV14, OS11a, PG11, PBM11, PNPF10, PVDW14, PR14a, SHZ13, SF12, SHM12, SEDW13, TDU14, WKH10, YS11b, dPSS12, vVVK10]. **Solving** [AM11, BWMG14, CT13, JU10, LS13c, MBR11, SSS10, XM14, BHS12, BY11, BKW10, BL11, CEGG14, CTG12, CL14b, CW14b, CL11b, CCG11, DMHL14, DAEB13, ES13a, EMSH14, GCZ13, GM10b, Gri12a, GT11, HAMA14, HHS+13, HHGC14, HWW10, HSWZ13, HAS13, JC13, JW11, KSU13, Kha13, LPE+11, LKT+12, LLZ11, LTSH10, LRLL11, LT12, LR12, LD14, LSE13, LL14a, LWS14, LBM14, LYD10, MMM13, MS14b, MM12, Mön13, NJ12, PDZ+14, PVLT10, PGL11, PRL10, Pir12, QY12, RM12, SS11, SML13, SKCC10, ST11a, SYE10, SIT+11, TDVG13, TY11a, VMA14, VBCM10, WLW13a, WPK14, XLD+11, XCL14, XJ14, YVL+11, YO11, YXZ13, YK12, ZMQ13, ZTG+13, ZYS14, ZLH12, ZCS14]. **Some** [GCW14, LWS14, XH13, CHHS11, JS13a]. **sonic** [AL10, PMM+11]. **Sørensen** [OBT12]. **sound** [KVM12, SM11b]. **Sounding** [HMOH11]. **soundproof** [SKW14]. **Source** [BCM12, BCB12, CD12a, CEK14, CM10, HQL+10, LHB10, LQ11, LBS10, MPS+14, MAD13, MCDT12, MGN10b, MGN12a, Nis12, NF12, RF14b, WSYS12, WKMJ13, YKWS13a, YKWS13b, ZS11, ZMD14]. **source-and-sink** [CD12a]. **Sources** [LKCY11, CB12, CG13b, FJ10, KNR11]. **South** [OMCO14]. **Space** [AS14, SBvdV11, AJ14, BBC+12, BB12b, BL13, BTY14, CP13a, CB14, CRS14, CXLC12, CH10, CKR14, DBM+12, DZHB13, FL11a, GAvdVB14, hGzS13, GG14, HPA14b, HBM13, HL12a, ITO+10, JK10, LE13, Lap12, LSW14, LS13d, MWP14, MK14a, MdVBS13, MST14, MY13, NIN+14, NB13, Phi14, QY12, RSS13, RC12, RCvdV13, Rot13, SHR13, SSS11, SAHS14, SSR14, TH14a, TA12, TAAY14, TvdHS+12, TD12b, TTD11, UGkM13, WYYK10, WXY13, WD13a, WD13b, WD14, WXY14]. **space-filling** [MWP14]. **space-fractional** [MY13, WD13a, WD13b, WD14]. **spaced** [BH13c]. **spaces** [SL13a, TG14b]. **spacetime** [KMHJ10]. **Spalart** [CDB13]. **spall** [CWL10]. **Sparse** [GS11a, LP12a, And10, ABJ+12, BGZ12, BK12b, BS11b, DO11b, FGR12, JAX11, KL14a, LWD13a, LWD13b, LTT10, PHD14, Per13, ZCS14]. **sparsely** [BM13b, BH13c]. **Spatial** [LM13, ANIF14, BHY14, BMR14, CZ11a, CTJT13, Den11b, DSHP11, FWLP14, HL12a, JEU11, LY13b, LS13c, MMR12, MLM12, SLH+11, TDU14, WI13b, YB14, ZY13]. **Spatially** [Atz10, LEH10, LEH12, PHSA14, TA13, AJ14, GHM10a, MCJ14, SR13a, TGO13]. **spatially-extended** [MCJ14]. **SPDEs** [CSK13]. **special** [AQ11, QY12, Ros10, ZT13b]. **special-relativistic** [Ros10]. **species** [Boy11, Tok11a]. **specific** [AKL+13, HK11, IWG13, KVC+13]. **Spectral** [CD13b, CCC12, GHM12, GCL13, JCC14, JHZ10, KSK13, LT11b, WX14, AB11, AD14, BdF10, BY11, BL11, CCD11a, CYK+14, CS12b, CS13, CKR14, CR14, Dri10, EGW11, EN14a, EN14b, FDHP11, FD11, GH14, GYL12, GG14, GVH14, Gra10, GTSC14, GKS+11, HSN13, HNS12, He13, HLS14, HBZL14, JNM12, JZ11, KGG10, KG13b, KSB12, KG13c, LR11, LBC14, LP12a, Le 14a,

LB12, LTSH10, LCP13, LZZS13, MA14, MRS14a, Mar10a, MKGV12, Mar13, ML11b, MTZ14, MK11, MLBS14, MLM12, MHGM14, NHE14, NCV10, Ost10, OS12, PGLT10, PGL11, PE10, PL12, QZM+12, SCH13b, TF10, VHG13, VSK10, WA12, WWS+13a, XH14, YK12, YWL14, YXD+14, ZK14, ZIOF10, ZD11b, ZW10b, vRLPK11, BMS12, MOSW12].
Spectral-Difference-Method [MOSW12]. **spectral-element** [EN14a, EN14b, ML11b]. **spectral-Galerkin** [CS12b].
spectral-Lagrangian [MHGM14]. **spectral-like** [CR14, FDHP11, LZZS13].
spectral-particle [LBC14]. **spectral-tau** [LP12a]. **spectral/** [CYK+14, VSK10]. **spectral/DG** [CKR14, YK12]. **Spectrally** [HF10, Le 14b, LT10b, Boy11, RMMD14, GM11b]. **Spectrally-accurate** [HF10, Boy11]. **spectrum** [BD14c]. **spectrum-including** [BD14c].
speculation [KH11]. **Speed** [BMD+13, CDT13, CJLC11, CDK12, KSU13, ML14a, NHE14, SKU13, sLwG10]. **speeds** [LNS13]. **SPH** [PR14a, AHA10a, AHA10b, ADB14, HF11, LVFK14, MCLG10, MCA+13, PR14b, SSY13, VL14, ZMD14]. **sphere** [BNT14, DKA12, FCH13, FL10, FLB+12, GM14a, GHJ14, HLM11, IAM+12, IDNG13, JNM12, LNU10, LLJ10, LJ13a, NL10, NCV10, SP14a, TS12, UJvL10, WD11, YC11]. **spheres** [RS13a, Wil13]. **spherical** [Brü13, CCD11a, CLSX14, EN14a, EN14b, GNGAS10, GBNS14, GS11a, GDGP11, JNW+14, LdWF12, Li12, MH10, Mel11, Mig14, MM11, MTS+11, Ols12, PB13a, RARO13, RJG10, Sal14, SJ10, Tyg10]. **spherically** [Don11].
spheroidal [Men12, WZZ14]. **spiciness** [OMCO14]. **spin** [BCZ13, BDTW10, CCW11, Gil13, Wan11b, Wan14, WC14a, Wei12]. **spin-1** [BCZ13, CCW11, WC14a]. **spin-2** [Wan14]. **spin-up** [BDTW10]. **Spinodal** [LDE+13]. **splashing** [Yok13]. **Spline** [ZSW10, BSV14, DL13c, FKM11, FF12, LTC10, YZX14]. **splines** [EH13].
split [BB12b, FGLB14, FCN+13, HK14, Pir10, RT14]. **split-step** [FGLB14].
Splitting [KHZ10, BCL+11, Cha13, CGMQ14, FGN14, GLWW14, HLDP14, HJK14, Kri14, LX14, LEHA10, Par13, PGA11, RXLS14, Sal14, VV13, Wal13, WPP10, WYS12b, ZOL+11, Zha14]. **sponge** [Man12]. **Spray** [MW12, JW12, KLMJ12]. **sprays** [VLM13]. **spring** [iIT14]. **Spurious** [Le 12, TCL11, YKWS13a, YKWS13b, HP13, LKCY11, LY13a, Min13, SM11c].
SQP [BVM14]. **square** [BY11, CLAL14]. **square-to-disk** [BY11]. **Squares** [CD13b, WHB14, ABL+11, CXLF14, Hel11a, HMM+10, HY09, HY11, JMFO13, NOT14, OS12, PR11, ADB14]. **squares/finite** [HGW11]. **squircle** [LB14]. **Stability** [DWL10, LJ13a, Alm14, BK11, BB12b, BRVE12, CCKCG10, GLSC12, GV13, GVH14, HP13, KG11, KG13a, LXSR12, MS10a, MA13, NDB12, VED13, WFK11, WL11, ZKV10]. **Stabilization** [CST12, DL12, FL11b, TM10, Vre11, BC14, Gui12, HH12a, MKGV12, Ren11].
Stabilized [AB13, ASS13, ASS17, HRK+10, Pir11, BCP13, CH11a, CdCD12, HY09, HY11, MMV+13a, MMV+13b, MBA14, PBC11b, SPB+10, Sha13, WTSZ10, WGD12].
Stable [BN11, CVI+13, DV14, FN10, GL12b, GK14, LLP10, MTD14,

PVDW14, SSR14, XH14, BMS12, BHS13, BHS14a, BHS14b, BGN10, BHL+13, BL10, CN12, DS10, EAN11, FCYF11, FC13, FMT11a, GW12, GH11b, GKF11, GZZ14, HNS12, KKS13, KB14, KS13a, KHJ+13, Lee13, LGF11, LN10b, LY14, LJG14, LB10, MAD13, MY14, MWY14, NMZC13, NDBG14, RHB12, SHR13, Sco12, TD12a, WBC13, WCVJ13, ZFH14]. **STAG** [CB10]. **stage** [IJZ13]. **stages** [WDP+14]. **staggered** [Boe11, CCY13, HM10, JGZL14, KS14, Lee13, LT11c, MLBK14, NS11a, NL12b, NDV+11, OS14, PB14a, SVK14, SML13, TH14a, Tyl14, VW14a, VKL+13]. **staggered-grid** [TH14a]. **staggering** [RBS12]. **Standard** [WR11, Del14]. **standing** [RW13]. **stars** [BD11a]. **starting** [Ton14]. **state** [BJ12, CEK14, CWC11, CCK13, Don11, EFT13, FT12, GMXG14, HHS+13, LTCN13, LCWN12, NJ12, NEE12, PDC13, VED13, WD13b, Wan14, WP10, WTSZ10, ZD11a, ZLCW14]. **state-dependent** [CEK14]. **states** [AD14, BCW10, BD11a, BCZ13, CCW11, DH10, Gil13, KTT12, MK12]. **static** [ADMA13, DL10c, HSN13, RARO13]. **stationary** [BCHM14, BS14a, CT13, DMT+11, DMM+13, HL12a, OBT11]. **Statistical** [DF10b, WLPG11, AA13, BJ12, HMM14, LTC13, MWRZ13]. **statistically** [GM11a]. **statistics** [Lee14b]. **Steady** [Ler13, Ler14, ALR11, CCK13, EFT13, FSL10, GBC11, HHS+13, HY09, HY10, HY11, HLT10b, Hu13, JK11, KTT12, KKO13, LT12, LCWN12, LDA10, LFW11, NJ12, NEE12, PVLT10, PGL11, Sha13, STH11, VED13, WD13b, WTSZ10, XH13]. **steady-state** [NEE12, VED13, WD13b]. **steep** [JMGN13]. **steepening** [SHA11]. **steepest** [WJC13]. **steered** [AM10]. **Stefan** [BGN10, LYD10, PGR10, PHRG13]. **Stefan-type** [PGR10, PHRG13]. **stellar** [FSL+12]. **stencil** [GW13b, MDTC13, WI13a]. **stencils** [Cha14, DO11a, PJCS14, Tsu10]. **step** [AKP+12, BBG+11, CJN+13, DWL10, FGLB14, GDHM11, JTT14, KN14, KS12, LCK11, LLH10, LDDBR13, MHGNM12, NNS11, OM12, Par12b, QL11, QL12, RB10, RM14, VL14, WZG+13, YKWS13a, YKWS13b, MHHGN14]. **Stephen** [ZJS15]. **steplength** [BHM11, BHM13]. **stepping** [AB11, DS12, FP14, HRBK10, KA13, Kri10, LMGS13, MBA14, SK13, TAAY14, ZMQ13, AAT+14]. **steps** [Lee14a, LP12b]. **stepsize** [CTP13]. **stiff** [AV13, AB13, CF11a, FJ10, Gui12, Har11, NS14a, WSYS12, YR13, YKWS13a, YKWS13b, YYB12, ZLCW14, ZOL+11]. **stiffly** [Min10b]. **Stochastic** [Atz11, BM13b, FSL10, GM14b, HW14c, MAK14, PWK11, Sti12, AP12a, AB13, ACG14, AP11, AA13, Atz10, BCK11, BKW10, BH13c, Cam13, CHZ13b, CHZ13a, Dad12, Dav10, Dav15, DRW11, DO11b, EWH13, ERS14, FHL10, FM13, FWLP14, GHM10a, GHM10b, Gri10, Gri12a, Har11, HHGC14, HJZ14, JAX11, JNX13, JTH10, JEU11, KKPV12, KL14a, KG13b, KF13b, LHH14, LG14, MZ10, MZ11a, MZ11b, MPWK13, ORHH13, PBB14, PIN14, PHSA14, PL12, RWX11, RNT12, SAM10, SS14c, ULS13, Val14, VDD10b, VK12, WZ13, WZ14, WI13b, WI13a, YCLK12, YK13, YR13, ZYLK13, ZT10b]. **Stokes** [HGW11, KRF12, LGE+13, PSL20, AB11, AT13b, ABPSM11, BK11, BSSW12, Bea12, BNNW11, BN11, BN14a, BGHM13, Boe11, BR12b, BOK12, BCLR10,

CVN13, CMS10a, CJNS12, Cha13, CFKL11, CXLF14, CLS10, CDK12, CH14, CST12, DLZ+11, DHH11, DAA11, EH13, FW12, FL11a, FMT11b, GLL14, HL12a, HOK10, HHK13, HM10, HKL14, HF10, JM12, JK11, KST10, KR10, KKP10, KF13a, KS11c, KG13c, KRT14, KL11b, LBCL13, LJX+14, LXF10, LL12a, LT10b, LLN+10, MBS13, NPC11c, NOT14, NDBG14, NCKN10, NEE12, OA10, OR10, OLC13, OS12, PBT14, PVLT10, PGL11, PNPF10, PGA11, RP13, RHXQ14, RGMC13, RCvdV13, RPC14, SK12a, San13, SVK14, SH14, SSHT14, SM13, Sen13, SSS10, Sha13, SLI10, SR11, SY11c, SGV13, SW13, TWMM14, TY11a, TLO+14, UN13, UGF14, VV13, VQRD11, VT13]. **Stokes** [Vre14, WW13, WK13a, WX14, Wil13, XFB+14, XIIX14, XH13, ZW10b, ZLH12]. **Stokeslets** [BM10b, BM11]. **stopping** [DFVY14]. **storage** [Ket10, NDB12, WT12a]. **straight** [Gri13]. **Straightforward** [LFL11]. **strand** [KWS+11]. **Strategies** [MM12, BP10, Har11, RBS12, SKN13b]. **strategy** [BRP14, CD13a, DHH11, DBM+12, HL12b, Par12b, PVLT10, PMF13, RE13, SPM+13, ZMQ13]. **stratified** [ABPSM11, DFNNRdlA14, FMM+10, MMV+13b, MTD14]. **Stratonovich** [ZYLK13]. **Stratonovich-** [ZYLK13]. **stray** [EAB+12]. **stream** [WZ11]. **streamer** [DBM+12, KED+12, LEH10, LEH12, LE12, VBGM13]. **streamfunction** [TY11a]. **streaming** [MZ14]. **streaming-collision** [MZ14]. **Stress** [ZM10, BDM13, GDY10, MY14, NGV14, SH14]. **Stress-mediated** [ZM10]. **stressed** [JR14]. **stretch** [OLPM14]. **Stretched** [FvdB12, RVbZ10]. **stretching** [RG12]. **strictly** [BMR14]. **Strong** [ACCM12, LJG14, NEE12, RM12, SSR14, TWMM14]. **strongly** [AD14, CGJ11, KR10, KKvZB14, MDPTK13, MMP11, ZTL13]. **strongly-coupled** [KKvZB14]. **Structural** [GCBH10, GCBH13, BHS14b, BGBR12, CLG13, DYYA14]. **structure** [Atz11, BGGGS11, BK12a, Bal14, BHS12, BC10a, BG10, BW13, BBGP13, BHK+10, BGG12, BCG+13, CBPS13, CW13, CW10, Deg11, DEKBF14, EHA14, EC13, FL14, FP14, GCBH13, GCW14, GKF11, GZQ13, HHA14, HNS12, Ian11, ITO+10, JLY10, LS13a, LL14a, LJG14, MF14, MMH12, NL12a, NPV14, OM12, PHSA14, Ric13, RMSF11, Son11, SIT+11, TDL+14, VRB10, WKL+14, WYC13, WC14b, YS12a, YBK13, ZF12, ZCD10]. **structure-preserving** [CW13, GCW14]. **structured** [BMD+13, Bal14, CG12, EZ10, GH12a, HB13, PJCS14, RTKS10, SSS10, WYS12a, WQCS13, ZJW12, ZD11b]. **structures** [AMDR10, And13, BHL12a, CKS14, DB12, GHL14, GKF11, GF13, HZS12, HW14c, KJC13, KL14b, LRL10, LCNK10, LX13b, MB13b, MYM12, PS14b, SM12c, MVG+12]. **studies** [BRS12, DMM+13, EH14, EH15, SBC+14, SY11b, VWP11, XS15]. **Study** [vTCL+10, BK12a, BRSS11, BKW10, CSK13, CRS12, GKG+13, GMXG14, JR14, JHDC10, KGSS10, LKT+12, LCE+10, MDPTK13, SF11, SMF+13, SSC13, STC10b, TA12]. **studying** [CSKP10, DYYA14, LW11, YL14b]. **Sturm** [HAMA14, JR12, ZK13]. **Sub** [BK11, ABMT12, BHS14c, CTJT13, hGzS11, hGzSnZ12, hGzS13, MAD13, RzSZ13, WV14, YZX14, nZzS11, ZzS11]. **sub-cell** [CTJT13]. **sub-diffusion**

[hGzS11, hGzSnZ12, hGzS13, MAD13, RzSZ13, WV14, YZX14, nZzS11, ZzS11]. **sub-grid** [ABMT12]. **Sub-iteration** [BK11]. **sub-scale** [BHS14c]. **Subcell** [WI13b, DZLD14, WSYS12]. **subcells** [Mac10]. **subdiffusion** [BLY10, DL13c]. **subdivision** [BBC+13, LW11]. **subdomains** [AS12, SAA14]. **subexpression** [Opp13]. **Subgrid** [GM11b, SRS14, JWNL11, RG13, Sha13, TVEC12]. **Subgrid-scale** [SRS14, RG13]. **subgridding** [Bér11, TD11a]. **subject** [PBT14, PHSA14]. **submatrices** [Ran12b]. **submitted** [BBD11]. **subscale** [APC11]. **subspace** [BB13, DR14, DRZ14, MNF+10, PB14b, ZD10, ZCS14]. **substrate** [DKW10, GWG14, LZC+13]. **substructuring** [MP13]. **subsurface** [CD10, EWH13, EWH14, HSD11]. **subzonal** [DL12]. **Sufficient** [SP11]. **suitable** [KAFB11, XMDG13, XMDG14]. **suite** [BGM12]. **suited** [ARR11, MZ11c]. **Summation** [NL13, BN12, DBZ14, Hic12, LT10b, MA13, Mat14, MSD12, SN14, WLL13]. **Summation-by-parts** [NL13, BN12, DBZ14, Hic12, SN14]. **summing** [Boy10]. **sums** [GD14]. **super** [MBA14]. **super-time-stepping** [MBA14]. **supercomputer** [XDZ+14]. **supercomputers** [KSP13]. **Superconvergence** [GZQ13, HLYS11, CCY13]. **Superconvergent** [BN12]. **supercooled** [ARF12]. **supercritical** [LX14, TK12, TK15]. **superfast** [WD13b]. **superfast-preconditioned** [WD13b]. **superhydrophobic** [CL13]. **superlattice** [Pri14]. **superlattices** [ÁCB12]. **supermesh** [MF12]. **superparameterization** [GM14b, MG14a]. **Superresolution** [BM13b]. **supersonic** [DKR12]. **support** [FE11, MNKS13, SY14b]. **supported** [Vai11]. **Suppressing** [GV14]. **suprathermal** [PLT14]. **Surface** [BPHK13, AHA10b, ABKF11, AST13, ABMT12, AKMD14, BCD14, BLJ11, BP10, CL14b, CF11c, DS11, DKW10, DWZ10, EAG14, ES10, GAvdVB14, GVV13, HLS14, HVD13, HMHO13, IK11, KS11c, Li12, LXSR12, LFRM10, MCLG10, PSL20, PDZ+14, PZ10, RA10a, RB10, RB13, SF11, SZF12, SST10, SGV13, SP11, VB13, WY10, Yok13, Yok14, Zha10a]. **surface-bulk** [CL14b]. **surface-tension** [AHA10b]. **surfaces** [BR12a, BG12, CYK+14, CL13, DKW10, Gen13, HK14, LW11, LL10a, LLZ11, MBR11, MKB+13, NW12, Pir12, TR11, WWZ13, YW13, YHM12, ZBS12a]. **surfactant** [AHA10a, BS10b, CL14b, Fuj13, GZZ14, KL11b, XYL12, XR14]. **surfactant-coated** [KL11b]. **surfactants** [GT12, KT14, LZ10, MT14b, TSLV11]. **surrogate** [LX10, LLX11b, SAM10]. **surrogate-based** [LLX11b]. **surrogates** [Val14]. **suspended** [LLdSC11, RVB10]. **suspensions** [GLLP14, Kea14, QB14, YM10]. **SVD** [WYYK10]. **swapping** [GIQ11]. **sweep** [VG14]. **sweeping** [CCK13, DGM13, EFT13, LQ11, Luo13, LQB14, TEY12]. **sweeps** [CBTR13]. **swimmers** [GCvRK11]. **swimming** [BI11]. **swirling** [CRT10]. **Swiss** [AV13]. **Swiss-knife** [AV13]. **switching** [CEK14, GBC11, HSK+15, SCY11, Zad11]. **Symmetric** [EGL+13, Don11, GM12a, HK14, Mor10, MK14b, NCKN10, NCV10, PGR10, RMSF11, SHZF12, YHM12, HS13b]. **Symmetrizing** [LB14]. **Symmetry**

[TLO+14, VKL+13, ANIF14, CS10, CS14b, CHHS11, GDGP11, KBS14, LB14, LE12, VW14a]. **Symmetry-** [VKL+13]. **Symmetry-preserving** [TLO+14, CS14b]. **Symplectic** [ST11b, Web14, ZJS15, ZTS+10, CWS13, GCW14, HJZ14, HDHZ13, MLM12, SWX12]. **synchronized** [LSVW10, OS11b]. **synchronous** [MMM11]. **synoptic** [OMCO14]. **synthesis** [CP13a]. **synthetic** [EMSH14, TR14]. **synthetic-acceleration** [EMSH14]. **System** [ASXZ14, ABL+11, ARF12, AAG14, ABPSM11, BSSW12, BH13b, BHM14, CWL13, CSW14, CCZ14a, CCZ14b, CS14c, DDN+10, DHN11, Del10, DMR14, Don11, FNKdLB13, GZZ14, GCH14, GXX14, HGW11, HGMM12, HHK13, HY10, JLS+14, MRS14a, MS10b, Nis10, QS11b, SV13, SS10d, Wol12, XXS10, ZD11a, ZJW12, ZN14a, ZN14b]. **systematic** [SF11, ZF12]. **systems** [AVKP11, AF11, Atz10, BH13a, BD14b, BGBR12, BM13b, BP10, Cam13, CK11, CS12b, CLZ12, CNST13, CAH14, Chi12, CH10, CHHL11, CDL11, CLS13, DLGP13, DBO+10, EFT13, ERS14, FF12, FWLP14, GMT10, GHM10a, Gil13, Gra14, GLM14, HMHO13, HM13, JHDC10, KKPV12, KJC13, Kim13, KL14b, KL12c, LCWN12, MDPTK13, MS11, MMM11, MMD+11, Min10b, MSS12, MCDT12, MLM12, NV14, NMV13, NMCZ14, NF12, NT14, Par12a, Phi14, PA12, RT14, RM14, SP13, SHZF12, TAT14, TCW+10, TDL+14, TLNE10, Wan13b, WZN14, WIJ13, Web14, WTK14, WWS13b, YR13, YN14, YL14a, YL14b, ZWL+12a, ZJS15, ZOL+11].

T [Ham10, BSV14]. **T-spline** [BSV14]. **T3** [WKL+14]. **table** [BGG12]. **tails** [TR12]. **tally** [RSFS13]. **tangent** [DKW10, NKF14]. **tangent-plane** [DKW10]. **tangential** [BC14]. **tank** [OBT12, SCS14]. **target** [DRB14, MS12]. **targeted** [RUL+13]. **tau** [FWP13, LP12a, YR13]. **tau-leaping** [FWP13]. **Taylor** [JWV12, NF12, BA10, GDW11, HAD10]. **TD** [CPJ11]. **tearing** [XJ14]. **technique** [BPOS12, CBKK12, DRZ14, FS10b, GHM14, HP13, HPS13, HDPF11, IH13, JWV12, KK10a, KKS13, LB13, LMQ+11, LH10d, LN14, MZ10, MS10a, NKF14, PB11, PBC+14, RM14, SLH+11, SHA12, Sog14b, sSLxRyZ14, UKP14, WS10b, YLW10]. **techniques** [ABD14, AC11, CWZ+11, GAW+14, HSN13, Kha13, LDN+10, OK13, PRH+14, PBWK11, PGLK14, SS14c]. **temperature** [CWC11, Gen11, Gho17, GRT12, HH13, KSS14, LTL+14, PBC+14, ZFJ11]. **temperature-dependent** [Gen11, Gho17, LTL+14]. **Tempering** [GRT12]. **Temporal** [Ich13, RUL+13]. **ten** [NIN+14]. **ten-nanometers** [NIN+14]. **tension** [AHA10b, AST13, ABMT12, BPHK13, LFRM10, SZF12, Zha10a]. **tension-dominated** [LFRM10]. **tensor** [BGK12, Brü13, CB14, Cou11, DSZ13, EAB+12, FE11, GS11a, LGG+13, LS10b, OLPM14, Wen10]. **tensor-product** [BGK12]. **tensorial** [VdMS+14]. **tensors** [EZ10, GHDS10, NCV10, XY14]. **term** [LFL11, MAD13, Nis12, TGO13]. **terminal** [TVE14]. **terms** [MCDT12, Mor10, MGN10b, MGN12a, MGN12b, NF12, SZ10, WSYS12, YKWS13a, YKWS13b, ZS11, ZLCW14]. **Test** [GHM10b, GM11a, HH12b, HH13, LTC10, NL10, PE10, Tau12, ZMD+11].

test-ion [HH12b, HH13]. **test-particle** [Tau12]. **testing** [KJWR14]. **tests** [WFK11]. **tetragonal** [ZCD10]. **tetrahedral** [BD14b, FB11, IXX14, LXL$^+$12, LXS$^+$13, LZZR10, Sco12]. **textbook** [ASB10]. **th** [HPS13]. **their** [BCZ13, BP13a, CS12b, Gon12, KST13, KM14b, Ler14, SM12b, She13, SC10]. **theorem** [ZA14]. **Theoretical** [QS11b, RB10, Gra10, LB10]. **Theory** [CSK14, FCN$^+$13, LG14, OBNN13, OBNN14, ZK13, Bre12a, BG13, CB11, ITO$^+$10, JFC$^+$13, KS11a, KBRM12, KO14, LLYE12a, LLYE12b, LSE13, MIKG12, MNL$^+$13, RG12, SL13a, SD14b, SBO11, SP14b, ZGSZ10, Fat10]. **Thermal** [WP14, Atz11, BB12a, Boo11, CLZ12, DSHP11, EMK11, EC13, EMSH14, FAY$^+$13, GNGAS10, GBNS14, GMG12, HH12b, HH13, HW14a, JYHT10, KMA13, LKM13, LMK13, LGP14, ML14a, OMA14, PHSA14, PPWZ11, WL11, ZGSZ10]. **thermal-solute** [GMG12]. **thermalization** [RRCD14]. **thermally** [BMP14, CH11a, CLAL14]. **thermo** [ML14a]. **thermo-elastic** [ML14a]. **thermoacoustic** [WIJ13]. **thermocapillary** [LZV12, LVZK14, MB13a]. **thermochemistry** [CGC$^+$12]. **thermodynamic** [GK14]. **thermodynamically** [FGN14, LGE$^+$13]. **thermomechanical** [Han11, LG14]. **thermostat** [CWC11, LG14]. **thermostats** [Dav10, Dav15]. **thick** [RGK12]. **Thickness** [CY14]. **Thickness-based** [CY14]. **thin** [ACB$^+$13, CY14, DLC11, FGE11, GF13, LT10a, LW11, LHM14, MB11, Par12b, SP14a, WJCG13, YTYJ12]. **THINC** [IST$^+$12, IXX14, SX14, XIC11]. **Third** [VQRD11, DAEB13, DCL11, HAH14, Mat14, Nis14a, Nis14b, WYT14]. **third-order** [DCL11, Nis14a, WYT14]. **threads** [ACB$^+$13]. **Three** [AH13a, CNR10, CGC$^+$12, DDF14, GCFJ13, HCS12, Kau10, dCRCS10, SSY13, Ald10, AN14, ADMA13, ASK$^+$13, AKMD14, BK14a, BLM11, BR12a, BBPC14, BL13, BLR14, CWS13, CTG12, CM14, CLSX14, CCY13, CCLV10, CCG11, DB12, DKW10, FQV13, GH11a, GHS12, GG10, GMC13, GD13, HWST12, HKL14, HCH$^+$10, IDNG13, JLZ13, JGZL14, JRTY11, KSU13, KK10b, KG12a, KLPS14, LP12a, Le 14a, Le 14b, Lee13, LJX$^+$14, Li13, LRK11, MMA13, MF13, OD14, RW13, SCIE14, SYJ11, SS14a, Tak14, TDU14, TTD11, TP14, VRBZ11, WCM$^+$14, WZ11, WD13a, WD14, WLW14, WC11, Wil13, WS10c, WC14b, XHF13, XJ14, ZFH14]. **Three-dimensional** [AH13a, CNR10, CGC$^+$12, DDF14, GCFJ13, HCS12, Kau10, SSY13, Ald10, ASK$^+$13, AKMD14, BLM11, BL13, BLR14, CM14, CCY13, CCLV10, DB12, DKW10, FQV13, GG10, GMC13, HKL14, HCH$^+$10, IDNG13, JLZ13, JGZL14, KSU13, KK10b, KG12a, KLPS14, LP12a, Le 14b, LJX$^+$14, LRK11, OD14, RW13, SCIE14, SYJ11, SS14a, Tak14, TP14, WCM$^+$14, WZ11, WD13a, WD14, WLW14, WC11, WS10c, WC14b, XHF13, XJ14, ZFH14]. **Three-phase** [dCRCS10, Li13, MF13]. **thresholding** [HW14c]. **throughout** [BD14c]. **TianHe** [XDZ$^+$14]. **TianHe-1A** [XDZ$^+$14]. **Time** [Ala14, BDA12, CL11a, CRK12, FWP13, GvdSVK10, GH12a, KA13, LFK11, LX14, LS13d, LDDBR13, MK14a, MSTL13, MHHGN14, NZ14, RH13, SG10b, SG10a, Soa13, ACG14, Abr10, AVKP11, AB11, AS14, AME14, AF11, AWK$^+$11, BLM$^+$14, BCM12, BCB12, BN12, BDTW10, BLM11, BBAP14,

BSCML13, BBF12, BSB14, BM10b, Brü13, BHY14, CP13a, CdCNH14, CHZ13b, CHZ13a, CH10, CLS10, CGMQ14, CP13b, CWZ+11, CVI+13, CG13a, CJN+13, Cui12, DYYA14, DLC11, DWL10, DCC+13, DFFL10, DS12, DL10a, DZL13, DBM+12, DZHB13, Dur14, EAG14, FL11a, FGLB14, FP14, FCY13, FWLP14, GB14, GAvdVB14, GNGAS10, GBNS14, GDHM11, GVH14, GBS+14, GH11b, GAV13, GP12b, GS11b, GGG+13, HPA14b, HNMM10, HBM13, HL12a, HBZL14, HRBK10, Hen13, HJK14, HDD12, HK11, HW14b, Ide12, JMFO13, KK10a]. **time** [KKS13, KN14, Kri10, LKM13, LCNK10, LP12b, LKLG14, Leu11, sLwG10, LCK11, LHY12, LMGS13, LLP14, LT14, LJ13b, LSW14, LLH10, LBR14, MF14, MM10, MdVBS13, MS14b, MBLM10, MST14, MBA14, Mön13, MY14, MHGNM12, NPC11b, NIN+14, NL13, NNS11, Nor13, OLFS13, Ols11, PL10, PGA11, QY12, QL11, QL12, RSD10, RK14, RSS10, RSS13, RGMC13, RBNS+12, RBNS13, RC12, RCvdV13, RA10b, RM12, RM14, SBWF14, Sal14, SNS10, SHR13, SD14a, SK13, SLGB12, SSR14, SBvdV11, ST11a, SW13, SP11, Tal13, TH14a, TA12, TD12a, TAAY14, TEY12, VV13, VMS11, VL14, Wal13, WD13a, WW14, WG11, XJ14, YVL+11, YDN10, YCH+13, YN10, ZD10, ZFH14, ZMQ13, nZzSlL14, Zha14, ZMD+11, AAT+14]. **time-accurate** [GH11b, HK11, MF14]. **time-convolutionary** [ZD10]. **Time-dependent** [GvdSVK10, LFK11, SG10b, AME14, BN12, Brü13, CdCNH14, CHZ13b, CHZ13a, Dur14, FGLB14, GS11b, HPA14b, LSW14, MM10, OLFS13, SD14a, SLGB12, SSR14, SW13, WD13a]. **time-differenced** [LKM13]. **Time-domain** [NZ14, Soa13, AWK+11, CWZ+11, CVI+13, DL10a, GB14, GVH14, GP12b, HBZL14, HJK14, HDD12, LHY12, SBWF14, TD12a]. **time-fractional** [BHY14, ZFH14]. **time-harmonic** [DLC11, EAG14, LLP14, Mön13, NPC11b, PL10, RM12, TEY12, XJ14, ZMD+11]. **Time-independent** [MSTL13]. **time-invariant** [LJ13b]. **time-lapse** [BLM11]. **time-marching** [sLwG10]. **time-parallelized** [RBNS+12, RBNS13]. **time-propagation** [AF11]. **time-reversal** [VMS11]. **Time-space** [LS13d, HL12a, TH14a]. **Time-splitting** [LX14, PGA11, Sal14]. **Time-step** [LDDBR13, CJN+13, DWL10, LLH10]. **Time-stepping** [KA13, AB11, DS12, HRBK10, Kri10, LMGS13, SK13, ZMQ13, AAT+14]. **time-varying** [CLS10, YCH+13]. **timestepping** [LGP10]. **tip** [GMXG14]. **tire** [VSC+11]. **TLM** [TRSMM+13]. **TOKAM** [TGT+10]. **TOKAM-** [TGT+10]. **tokamak** [AAG14, HdBK12, PBC+14, BBF12, ICC+10]. **tokamaks** [LL10b, MMIW14, TGT+10]. **tomography** [BFR13, GJ14a, HQL+10, LHH14, LDN+10]. **tool** [YL14b]. **tools** [BFR13, PMM+11]. **topography** [FMT11a, Ion13, JTT14, LT11a, MGN13, YC11]. **Topological** [Par12b, CNR11, NW10]. **topologies** [LS13c]. **Topology** [DLZ+11, YYY+14, CZ11b, DLLW14, TNK10, ZLL10]. **toroidal** [KHJ+13]. **toroidally** [ZKV10]. **Torrey** [NLGL14]. **torus** [CJM13]. **Total** [KHHK12, LLYE12a, BDM13, KBS14, OS14, VMA14, YL14b, dCRCS10]. **Total-variation-diminishing** [KHHK12]. **TR** [EMK11]. **TR/BDF2**

[EMK11]. **tracer** [EN14a, EN14b, HLM11, LNU10, WD11]. **tracers** [GM11a]. **track** [KS13b]. **tracking** [APF13, AK14, Ald10, BW13, BR12a, FL14, Her10, ID10, KT14, LTC10, LW11, MS12, NW10, Qua11, RZ10, RR14, Sam14, SN13a, STD+10, UGkM13, VF10, WWZ13, Wit10]. **tracking-level** [NW10]. **tracking/ghost** [TVEC12]. **tracking/Lagrangian** [Her10]. **traction** [PGA11]. **tractions** [KS11c, PSL20]. **traffic** [WSW13]. **trains** [IBO14]. **trajectories** [BBC+13, LTC13, LRS10, LSK11, Mar10a]. **Trajectory** [HCP10, NVS13, CSC14]. **transducers** [HVD13]. **transfer** [BRS13, Boo11, CGG12, DTU12, ETW10, GL12a, GGH14, GS11a, HS13a, HMOH11, IL11, IF10, JYHT10, KKvZB14, LN10b, MB13a, MH10, NTV14, OHF12, PBdGP14, RCCC14, SRS14, SD14c, WL11, ZYT13, ZTL13, WP14]. **transform** [HW11, JHF10, LQ10a, RS13b, RS14b, Boy10]. **Transformation** [LBM14, OK13, GC11, GCZ13, JW11, KO14, MTZ14, PIN14, RG12, ZM10]. **transformation-free** [GC11, GCZ13]. **transformations** [MMD+11, OK10, ZCD10]. **transformed** [FCY13, PSF+14, Nic11]. **transforms** [QY10, STD14]. **Transient** [LCK11, MJK13, AJRT11, BLM+14, BCL13, BD12, LP11, MSTL13, MGN10a, NHE14, NJ12, SK12b]. **transition** [JW11, KGK13, ZHW10]. **transitional** [TAD14]. **transitions** [CL13]. **translocation** [WMK13]. **transmembrane** [ALGB+13]. **transmission** [JS13b, MTT13, PL10, PRL10, Stu10, WK14]. **transonic** [BBD11, SSG11]. **transparent** [Du11b, HPA14a, MJ14]. **Transport** [KS13b, MM11, AHA13, AAG14, AS12, BDL11, BLRR11, BGGW13, BRP14, Boe11, CTP13, CVC12, CdCNH14, CRT14, CKD10, CM10, CBTR13, DTU12, DR14, EN14a, EN14b, FL10, FLB+12, Fuj13, GDY10, GMC13, Gio10, GPS10, GBB+13, GLC+11, GP12a, HLM11, HRT11, HH12b, HH13, JC10, JLC14, KFOS14, KBGRM10, KHGW13, LBC14, LKM13, LKP14, LNU10, LEM11, LP13a, LBM10, LBS10, MKCB14, MPS+14, MMR12, MTS+11, MB10b, MV13, MJM13, MMJ14, MGN11, NSA11, NL10, NGV14, Nor14, Oli14, Ols11, Ols12, OD14, PMS14, PB14a, Pri14, RARO13, RGK12, RF14b, RCCC14, RSFS13, RJG10, SGS13, SH14, SO13, SBB10, STD+10, SAA14, SWR11, Tal13, TGT+10, TLG10, Tok10, TR14, VTTK13, VXB14, VHWF13, VWP11, WPP10, WR11, WT13, WD11, WAM14, WPK14, WTK14, XX12, ZSW10, Zer10]. **transport** [ZCW11, ZKM+11, vDS12]. **Transport-constrained** [KS13b]. **transport-diffusion** [DTU12, RCCC14, SAA14]. **transport-velocity** [AHA13]. **Transportation** [BFO14]. **transversely** [BCL14]. **trapezoidal** [Ide12]. **traveltimes** [LQ11]. **tread** [VSC+11]. **treat** [SS10a]. **treating** [JWNL11, MKB+13, RWMG11, WS10b]. **treatment** [BB12a, GF13, Joh11, KDS14, Kha13, KK10c, LH14b, Man12, MBD13, SVK14, SN12, SJH12, TS11, TWSN12, TR12]. **treatments** [JC10, OS14]. **tree** [CG12, LL14a]. **tree-like** [LL14a]. **treecode** [GK13]. **treecode-accelerated** [GK13]. **trees** [ARR11, ARR13, TE14]. **Trefftz** [Tsu10, VBVD10]. **Trefftz-based** [VBVD10]. **triangle** [KBRM12, SDH12]. **triangles** [WCVJ13]. **triangular** [BMS12, BBD14, CF11c, CH11b, FE11, Gas11, IXX14, LXM14, SV10, TD11b, WR11, ZZS13]. **triangulated** [BLJ11].

triangulation [Gen13]. **triangulations** [MOSW12]. **tricubic** [Mar10a]. **tridiagonal** [HPLS10]. **trigonometric** [Boy13, CJM13]. **triple** [Li13]. **troubled** [VR14]. **troubled-cell** [VR14]. **truncate** [ACG14]. **truncated** [DKC14]. **Truncation** [SS14a, FdVV12, FVR13, SEBG12]. **Trust** [WT13, MW14b]. **Trust-region** [WT13]. **tsunami** [BSCML13]. **Tube** [KYP+14, LM14b, RCQL11]. **tumor** [CCFCM11]. **tunneling** [CCMG+13, JCT11, MJK13]. **turbomachinery** [GBS+14, WDP+14]. **turbulence** [CP13a, CDB13, ECDB14, Ger12, GLB+11, GHM12, GLM14, GM14b, HHL11, JLB+10, KSP13, KGK13, MG14a, MS14b, OBT11, OTV13, dlLPC10, dlLPCP12, SNS10, SRL+11, TGT+10, Tau12, WWX+10, WMYYG10, YB14]. **Turbulent** [BPQO13, BHB11, BVM14, BH13a, BGGW13, BA10, BGM12, BM13b, BH13c, CFCA13a, CFCA13b, FL14, Fus13, GG10, GHM10a, GM11a, GW10, HHH13, JK10, KH13, KSL10, LBC14, LTC13, LDS11, LSBJ14, MJ13a, Nag14a, Nag14b, OAK11, PP14, RG13, RBNS+12, RBNS13, RS10b, SBB13, SFCF10, SRS14, TRL14, TAD14, Tyl14, VXB14, VWP11, YYB12, vDS12]. **Turing** [GMT10]. **Turkel** [AGBC14]. **TVD** [BR14, QL12]. **twist** [OLC13]. **Two** [BBG+11, DTG+14, Du11b, GK14, HY10, JGZL14, PZ10, RDHK12, WABI11, YT12, ZWL+12b, ABL+11, Ala14, AK12, ABMT12, ABMT14, Bal12b, BD14a, BG10, BW13, BILM14, BYCC14, BCM+11, BRS10, BHY14, BD14c, BTY14, CBKK12, CTG12, CRS14, CSW14, CS10, CS14b, CZ11b, CL11b, CTSM13, Cui12, DYYA14, DF14, DS12, Don14b, DGF14, ES10, FGR12, GMB10, GT12, GJLY13, GL12b, GHL14, GVV13, GWG14, GIQ11, HZ11a, HR10, HLLW11, IJZ13, JCC14, JZ11, KCG14, KS11a, KT14, KLP10, KK10c, KL11b, LP12a, LP13b, LBT11, Lee14a, Li10a, LX13a, LXL13, LW13a, LRN13, LW13b, LP11, LHPH11, MB13a, MF14, MB12, MAB+13, MFM12, MB11, MNF+10, Men12, MTZ14, MW14a, MY13, ML14b, MJM13, MMJ14, MGN10a, MGN11, MGN12a, NKF14, PB11, PZTW12, PE10, PBM11, PS14a, PS15, QB14, RBB12, RVB10, RE13]. **two** [RB13, RNT12, Sam14, SF11, SGS13, Sha13, ST13, SYJ11, SX14, SHA11, SHA12, SBvdV11, SKt10, SMS14, SS14c, TSLV11, Tok11a, TT10, TL13, UGkM13, VP10, VP14, VMA14, VBCM10, VSC+11, VW14b, Wan13a, WW11, WZ11, WSS12, WZSN12, WGX13, WQCS13, WC14a, WMYYG10, Wol12, WS14, WS11, WT14, XYL12, XR14, YS11b, YZX14, Yin14, ZHW10, nZzS11, ZYHW13, ZHY13, ZKZ10, ZHS10, ZWL10]. **two-** [SYJ11, WZ11]. **two-center** [LP12a, Men12]. **two-component** [MTZ14, ZKZ10]. **two-density** [ZWL10]. **Two-dimensional** [YT12, ZWL+12b, Bal12b, BD14a, BG10, BILM14, BYCC14, BCM+11, BRS10, BHY14, BD14c, BTY14, CBKK12, CRS14, CS10, CS14b, CTSM13, Cui12, Du11b, GMB10, GIQ11, KS11a, KLP10, KL11b, LX13a, LXL13, LW13a, LRN13, LW13b, LP11, MB12, MAB+13, MNF+10, MGN10a, MGN11, PB11, PE10, QB14, RVB10, VMA14, Wan13a, WW11, WZSN12, WS14, WS11, WT14, YZX14, Yin14, nZzS11]. **two-dimensions** [JZ11]. **two-equation** [WMYYG10]. **two-fluid**

[CZ11b, DF14, DGF14, GVV13, KK10c, NKF14, SBvdV11, SKt10, YS11b]. **two-layer** [LBT11]. **two-layered** [Li10a]. **Two-level** [WABI11, HZ11a, JCC14, Sha13, SS14c]. **two-parameter** [ST13, WC14a]. **Two-phase** [GK14, PZ10, RDHK12, ABL+11, Ala14, ABMT12, ABMT14, BW13, CSW14, CL11b, DS12, Don14b, FGR12, GT12, GJLY13, HLLW11, KCG14, KT14, LP13b, LHPH11, MB13a, MF14, MW14a, PZTW12, PBM11, PS14a, PS15, RBB12, RB13, SF11, SGS13, SX14, SHA11, SHA12, TSLV11, TT10, TL13, VP10, VP14, VBCM10, VSC+11, WSS12, XYL12, XR14, ZHW10, ZYHW13, ZHY13]. **two-point** [ML14b]. **two-scalar** [MB13a]. **two-scale** [RE13]. **two-sided** [MY13]. **two-stage** [IJZ13]. **Two-step** [BBG+11]. **two-steps** [Lee14a]. **Two-way** [DTG+14, Sam14]. **type** [AMDR10, AM11, CHHL11, Del10, EEK14, FY13, FP12, HLT10b, KDS14, KO14, LT11a, LTCN13, LT14, LM13, LHV13, PGR10, PHRG13, RT14, SV13, TT10, Tok11b, WLW13a, WW14, WI13a, ZzS11, ZQ11, ZZSQ13]. **type-II** [SV13].

ultra [AK14, DL13a, DL13b, LHM14, SBS+13]. **ultra-relativistic** [AK14, SBS+13]. **ultrarelativistic** [AC11]. **ultrascale** [GK10]. **unbounded** [AJRT11, Boy11, BHY14, CK10, CGS13, DKC14, DRZ14, Era13, hGzSnZ12, hGzS13, HLS14, HRCW13, JPC+14, JKR14, SY11b, Zen11]. **uncertain** [BND+12, TLNE10]. **Uncertainty** [LTT10, SP13, WT12b, AC13, AA13, BZ12, BZKL13, CPX13, CNST13, CZ13, EH14, EH15, ERS14, JEX10, JNX13, KL14a, LBR14, MPPP12b, MPPP12a, PGLK14, WI13a, XS15]. **unconditional** [BRVE12]. **Unconditionally** [MY14, SHR13, BCP13, BL10, DS10, GH11b, LGF11, LB10, MAD13, TD12a, ZFH14]. **undulatory** [YS11a, YS11b]. **unequal** [Ge10]. **unidimensional** [OK12]. **Unification** [Nis10]. **Unified** [LVFK14, LYXZ14, SMP+13, BBGP13, CXLC12, GHS13, Mie13, RTKS10, XH10]. **uniform** [AM12, AW14, ABJ+12, Boy11, CD12a, CES14, CLSX14, ES14, GGG+13, LH10a, LT11c, LFW11, MBLM10, MBGW13, SBS11, WLL13, nZzSlL14]. **uniformly** [Luo13]. **uniqueness** [SP11]. **unit** [Hel11a]. **Units** [SSK+12, GHH14, KHRD11, LSK11, LLL10, HJBB14]. **units-Radial** [LSK11]. **unity** [OJW10]. **Universal** [BRS10]. **Unlike** [KWH10]. **Unlike-particle** [KWH10]. **unorganized** [DS11]. **unresolved** [GLM14]. **unsplit** [LP13a, Lee13, MT10, OJ11, OD14]. **unstable** [GCFJ13]. **unstaggered** [HRT11]. **unsteady** [BDA12, BGHM13, BSCML13, DLZ+11, EH13, GCL13, IH13, KKvZB14, LDS11, LGC13, LLP10, LvZB10, MHHGN14, MGN11, MLGN12, MGN12b, PC13, Sen13, STH11, SFWP10, SM10, XW14, YDN10, YP13]. **Unstructured** [CVC12, ALR11, ABD14, AIX10, AGSG11, BDA14, BNM14, BYCC14, BV14, BD14b, BBD14, BC10b, CCKCG10, CZ11a, CRT10, CBTR13, DCL11, DLM13c, EZ10, Era13, FB11, GMB10, GCA13, GBB+13, GP12a, HLT10b, IXX14, IKO+14, JLZ13, KS11b, KDS14, KAFB11, KD10, Lan14, LRLL11, LR12, LZ13, LSV10, LM14a, MF12, MB12, MAB+13, MIJ10,

MGN14a, PB11, PYK10, PVLT10, Per13, RS14a, SGS13, SCGE13, SYY14a, SYY14b, SSHM10, SR13c, SSW13, Son11, SS10e, TF10, TLO+14, TTD11, TAD14, VMA14, WR11, WAM14, XIIX14, ZN14a, ZN14b, ZQ13, ZZSQ13]. **unstructured-mesh** [SSW13]. **unstructured-meshed** [BYCC14]. **untangling** [TGRL13]. **Untilted** [SG12b]. **update** [RLPM12]. **updates** [MMH12]. **upon** [HKL10]. **upscaling** [DD12]. **Upwind** [BH12, RF14a, SST10, BF12, BSS14, HY10, HWA10, JTXZ12, MHGNM12, Mur10, PBWK11, Rie10, SHCY13, VQVD11]. **Upwind-biased** [SST10]. **upwind-schemes** [Rie10]. **upwinding** [TLNE10]. **UQ** [NV14]. **Use** [Ide12, CHC11, DMP14, GD10, HLW13, KM11, KGKS13, MD13, Mar10a, dlLPCP12, ZPGO10]. **used** [NB13]. **uselessness** [Boy10]. **Using** [Gon10, LA10, SJ10, ABD14, AH13a, AHA10b, AJ14, AA13, ADT14, And13, AETT11, ABK12, ABK13, AEM13, BGGGS11, BA10, BFO14, BN12, BS14b, BFE12, BSB14, BX12, BHL12b, BGG12, Cam13, CGM+12, Cha13, CGG12, CP14, CCC12, CLG13, CSK13, CF11c, CH11a, CCLV10, DL12, DCC+13, DjY14, DAEB13, DCVM11, EGW11, ES10, EQYF13, ELM14, ERT10, FT11, FMT11b, GMB10, hGzSnZ12, GW11, Gno14, GBB+13, GLC+11, GHH14, GWG14, GIQ11, GMXG14, HdCNT12, HBZL14, HMHO13, HZS12, Hut14, iIT14, IX10, JWV12, JMFO13, JYHT10, JLZ13, JLS+14, Joh11, JMGN13, KVM12, KM13, KJ11, Kha13, KSPP10, KSP13, KJC13, KMHJ10, KHGW13, LRL10, LCNK10, Lee12b, LCK11, LC13, LZC+13, Liu11a, LZV12, LHPH11, LBR14, LCB12, MB13a, MBR11, Mac10, MOV12, MTT13, MOSW12, MNF+10, MTG11]. **using** [MTS+11, MZB12, MDM+12, MLBS14, MY13, NTV14, NS14a, NMT+12, NB14, Nor13, Ols12, OLC13, OLPM14, PDSS10, PB11, PMM+11, Phi14, PBdGP14, PBC11b, PM14, Qua11, QA11, RBB12, RCW11, RHB12, RA10a, RR14, RS13a, RDHK12, RBCK10, RS10b, RG12, Sal14, SNS10, SAM10, SY14a, SSS10, SCGE13, SZ10, SYL12, ST13, SHM12, SCH13b, SFWP10, SC12, SPM+13, SRN13, SS14c, SDH12, TK12, TK15, TE14, TBMH11, TS12, VHWF13, VT13, Vol14, WK10, WWS+13a, WTYC13, XFB+14, YYY+14, YM14, YM10, YXD+14, ZD10, ZYHW13, ZY13, ZQ11, ZZSQ13, vydCNS+10]. **utilizing** [SAHS14, UJ12].

V [NOT14, NOT14]. **V-V-P** [NOT14]. **Väisälä** [HdBK12]. **Validation** [BSDM12, GM10a, NB13, OAKR14, YK12]. **validations** [DEKBF14, LXSR12]. **validity** [JRG13]. **valuations** [CLW10]. **value** [EO11, HdCNT12, HLW13, LRK11, LWS14, LN14, PR11, SN14, hT10b, WLW13a, XIIX14]. **valued** [PSDF13]. **values** [FS10a]. **valve** [LS13a]. **vanishing** [KSB12]. **vapor** [CP12]. **Var** [CS14c]. **variability** [ECDB14]. **Variable** [MTS+11, AF13, BMK12, CTP13, CGC13, GW14, GW10, GLL14, HK11, ISZ12, JNM12, KAFB11, LRT13, LMGS13, Mar13, Mor10, MLGN12, PIN14, SGS13, SHM12, TGGT13, dv23]. **variable-density** [AF13, GW10, SHM12]. **variable-order** [KAFB11]. **variable-stepsize** [CTP13]. **variables** [Abr10, LGE+13, SKN13a, ZJT10]. **variably**

[AST12, HSK+15, Zad11]. **Variance** [Sza12]. **Variance-reduced** [Sza12]. **variant** [TAAY14]. **variants** [EMK11]. **variation** [FN10, KHHK12, YL14b, YB14]. **Variational** [ES13b, GAvdVB14, LHK12, MKGV12, ML14a, OBTC+13, ZOWZ10, ZOJR11, ZWL10, ABL+11, ACCM12, BGGW13, BA10, BSS12, BSB14, GLS10, GCLS11, GH11b, GW10, HLSO13, JZ10, Jin12, JK10, Kaz10, LHM14, MMV+13a, MMV+13b, NW10, RG13, Sco12, XMDG13, XMDG14, YMS10, YMS12, ZHS10, ZWJW10]. **variations** [PBC+14]. **Various** [ZPF10, XL11, ZRM13]. **varying** [CLS10, MPT13, RCCW10, SR13a, TGO13, YCH+13]. **vascular** [GDY10, IWG13]. **Vector** [CGM+12, Cha13, CG13a, KSK13, LLY11, NS11b, PB14a, PSDF13, ZS14]. **vector-valued** [PSDF13]. **vectorization** [DKH11]. **vectors** [ELM14, NCV10, Ran11]. **vehicles** [CRS14]. **velocimetry** [HMM+10]. **velocities** [Min13, NCKN10]. **Velocity** [OR10, AHA13, AJ14, BCHM14, BDMP13, BNM14, BD11b, BM14, CIJS14, CWL10, CXLC12, DS10, FR13, GG14, HCS+10, JW12, LE13, Liu11b, McD14b, MKB+12, MVG11, NS11a, SCIE14, SV10, VLM13]. **velocity-correction** [DS10]. **velocity-pressure** [CIJS14]. **velocity-space** [LE13]. **Velocity-vorticity-helicity** [OR10]. **ventilation** [YCH+13]. **ventricle** [LS13a]. **ventricular** [MNKS13]. **Verification** [SHM12, BHL12b, GM10a, IH13]. **versatile** [CTG12]. **version** [ABK13, GLB+11, HLM11, KKS13]. **versions** [MGN12a]. **versus** [CM10, GBNS14, MJ14]. **vertex** [AGBC14, CCKCG10]. **vertex-based** [CCKCG10]. **Vertically** [WLW13b]. **very** [ALR11, SC12]. **vesicle** [BLJ11, FBM14, GWG14, QB14, VRBZ11]. **vesicle-substrate** [GWG14]. **vesicles** [AELV14, HKL14, KL10a, RVB10, SM11a, STL+10]. **vessels** [MPT13]. **VFRoe** [PBM11]. **via** [CT13, ECD14, FS10a, FLM12, GW13a, GD13, HLDP14, JZ10, KL14a, LFL11, Lee14a, LX10, LCP13, LMZ14, LTT10, MF12, Mar13, MTZ14, Min10b, MVG11, OK10, Ran12a, RSS10, RBNS13, RSFS13, VS11, WdHX10, YR13, YWL14, YJK12]. **VIALS** [YL14b]. **vicinity** [CM13]. **violent** [BCD14, SM12c, ZMD14]. **virtual** [AT13b, BvBZ+10, HWST12, SSHT14, SJ10, ZWH+12]. **visco** [AH13a]. **visco-acoustic** [AH13a]. **viscoelastic** [LP11, MMT14, ZYF+10]. **viscoelasticity** [DP12]. **viscoplastic** [FNGV14, Ion13]. **viscosities** [XH13]. **viscosity** [BD10a, CD12a, CLG13, CSB14, Coo13, FMT11b, GW14, GPP11, KSB12, KL12c, LRT13, LS10b, RSS13, SGS13, TGO13, VW14a, Wen10, dv23]. **Viscous** [CCLS10, AiINT14, AELV14, ACB+13, BJLR14, BDKV14, CP14, CF11b, CB10, CC14, CGF+13, FSL10, IG14, LFL11, LTS+10, LKT+12, LMZ14, LLP10, MCA+13, MESV10, Min10b, MN14, PRA13, PMSH10, RHGT10, SGC13, SHCY13, SYL10, SZ10, SS10c, STL+10, SM10, SR13d, TGO13, UWB12, WS11, XW14, YS11a, YS11b, YFL+13, YSW14, ZL10, ZGSZ10, ZDSP11]. **viscous-plastic** [LTS+10, LKT+12]. **Vladimir** [vL11]. **Vlasov**

[ARR13, CCZ14a, CCZ14b, CGMQ14, CMS10b, CLM13, DDN+10, DMR14, GCH14, GQ13, HGMM12, HB13, MRS14a, MMA11, MMA13, PSF+14, QC10, QS11b, RS11, SS10d, TTR+12, TBNT11, VCS14, Wol12, XQXC14, YF14]. **VLPL** [TP14]. **VOF** [OD14, CMS10a, DvW14, GMB10, KBTD12, MZ11c, VdMS+14, XIC11]. **VOF-IBM-enthalpy** [KBTD12]. **voids** [SLC+11]. **volcanic** [MPS+14]. **Volterra** [HHGC14, ZN10]. **Volume** [AGBC14, KLL13, SGW10, SC10, AIX10, ABS+14, BFSVC14, BD14b, BBD14, BHL12b, BDKV14, CCKCG10, CVC12, CHKT13, CRG13, CLSX14, CDL11, CDHM11, CC14, CMG+13, CJ14, DM13, DCL11, DZHB13, DKM11, FGR12, FS10a, FE11, FMM+10, GDHM11, GDGP11, GXS14, HJ11, HKJ11, HRBK10, HMHO13, HM10, Hu13, HAQ12, IX10, IDNG13, JMW12, JTXZ12, KCG14, KKAS12, KDS14, LP13a, LR12, LRBT14, LSV10, LHPH11, LGH10b, LTL11, LZZR10, MAPP13, MF14, MB12, Mig14, MSS12, ML13, MMT14, MLBS14, Nis14a, Nis14b, NNS11, Nor14, OD14, PDSS10, PRH+14, PGL11, PvDtTB+11, PNPF10, PM14, PP14, QB14, RSK13, RBB12, RDHK12, SSB13, SY11a, SY12b, SS10c, SG14, SY11c, SR13d, SIDG13, UJvL10, UJ11, UJ12, VDP11, VWPF11, VWF13, WSS12, WYS12a, WYS12b, WZZZ14, WZ10, WT14, WG14, XIIX14]. **volume** [XLD+11, YVL+11, ZHY13, ZJL+14, Den11a, GP12a, TL13, WY10]. **Volume-average** [XIIX14]. **Volume-average/point-value** [XIIX14]. **Volume-based** [Den11a]. **Volume-of-fluid** [SC10, HMHO13, LP13a, LHPH11, OD14, RBB12, RDHK12, WYS12a, WYS12b, ZJL+14, WY10]. **volume/element** [BFSVC14]. **volumetric** [HW10]. **Voronoi** [Son11, SS12]. **Voronoi-cell** [Son11]. **Vortex** [RS10b, Alb10, AEM13, CF10, DH10, GD13, KWSJ11, RBCK10, UWB12, vRLPK11, RCW11]. **vortex-dominated** [KWSJ11]. **Vortex-In-Cell** [RCW11]. **vortical** [CK10, vRLPK11]. **vortices** [CSKP10, LFW11, MAPP13]. **Vorticity** [TS12, DF10b, KJ11, OR10, RTKS10]. **Vorticity-divergence** [TS12]. **voxelized** [RS13a]. **Vries** [YHL13]. **vs** [GKG+13, MMJ14, SMP+13, ZL10].

wake [GBS+14]. **wakefield** [VGCMG11, YXD+14]. **walk** [PBB14, STD+10]. **Wall** [GDY10, MS14a, RS13a, AHA12, BN11, KH13, KIF+14, LSBJ14, LVFK14, NEE12, Vre14, ZPGO10]. **wall-bounded** [KH13, LSBJ14]. **walls** [KM11]. **Walsh** [Gno14]. **WAMR** [PZW14, PZG14]. **Water** [JPC+14, JKR14, RB10, AIX10, ABS+14, BNT14, BDT10, BCD14, BF12, CKS14, CVC12, CRG13, CLSX14, CT14, CB13, DLGP13, DMMGM14, DKA12, DLM13b, DLM13c, FNKdLB13, FMT11a, FLB+12, GAvdVB14, Gas11, GCFJ13, IX10, JTT14, KJ11, KIF+14, LT11a, Le 12, LBT11, LGLX14, MHGNM12, MGN10b, MGN12b, MGN13, Nag14a, Nag14b, OBT12, PDZ+14, PE10, Pud11, RBS12, RVFK14, RW13, SHR13, STC10a, SN13b, TS12, TBR13, UJvL10, WPKK12, Xin14, YC11, ZOJR11, ZMD14, Zho11, vTCL+10, vV12, SP14a]. **Waterman** [KSPP10]. **Wave** [ABH+14, BCL14, FJ12, MGN12b, AJRT11, Ain14, AMP14, AETT11, BK14a, BH12, BLQ14,

BGH10, BRS11, BHK+10, BHY14, BLR14, CTG12, CL11a, CH10, CSX14, CH11b, DOR10, DB12, DRZ14, DEKBF14, Dur14, DV14, DKM11, EL11, Fat10, FH11, FMM+10, GHJ14, Gri13, HH12a, HVD13, HBZL14, HDHZ13, IBO14, JPC+14, JKR14, JFC+13, JXD14, KKS13, KS11a, KDS14, KEGM10, LH10a, LP12a, Le 14b, LXL13, LH14a, LL14a, LS13d, LT11c, MBL+14, Mön13, NDV+11, NCV10, OBT12, PRL10, PMMB14, PLN11, RKGM14, RF14a, RS13b, RS14b, SBC+14, Sam14, SRSV11, SM11b, SWX12, SCH13b, Soa13, STC10a, SCS14, SC12, Tak14, TK14, TH14a, TD12b, TGGT13, VBSK10, VED13, WT12b, WV14, WZZ14, WLW13b, WSW13, WSBG10, WK14, WYC13, YL11, YK12, ZOJR11, ZMD14, Zho14b, ZTS+10, ZMD+11].
wave-body [YL11]. **wave-structure** [DEKBF14, WYC13]. **wave-wave** [YL11]. **Waveguide** [LL12b, LL14b]. **waveguides** [MBMV13]. **Wavelet** [DV13b, DS11, EL11, JSX10, KSK13, vydCNS+10, GM14a, HRBK10, JU10, JHF10, LX14, PZW14, PZG14, dlLPC10, RVFK14, RWX11, ZTS+10]. **wavelet-adapted** [HRBK10]. **wavelet-adaptive** [LX14]. **Wavelet-based** [DV13b, vydCNS+10, dlLPC10]. **wavelets** [dlLPCP12, YXZ13]. **wavenumber** [SML13]. **wavenumber-preserving** [SML13]. **wavepacket** [QY10]. **waves** [AH13b, BDT10, BCL13, BX12, CT10, CGJ11, CVI+13, FGE11, FT11, GAvdVB14, GKS+11, JLB+10, Li12, LGLX14, LXSR12, LP11, LM14b, ML14a, MBMV13, MTT13, NVS13, NvdVB13, PDZ+14, PS14a, PS15, RW13, SG10b, SG10a, SM12c, SMS14, SC12]. **way** [Ain14, Alm14, DTG+14, PRL10, Sam14]. **Weak** [LLMY14, MWW+13, MGN10b, NEE12, UGF14, WPP10, ACCM12, HSWZ13, LHM14, MWY14]. **weakly** [BCL+11, BG12, HMHO13, KA12, PMS11, PSM11, PSM13, PMS14, RS10b, VL14, XMS12, XS13, YXZ13, ZN10]. **weakly-compressible** [XMS12, XS13]. **weakly-ionized** [PMS11, PSM11, PSM13, PMS14]. **weather** [BCW13, CS12c, DMP14, Fal13, Lap12, OMCO14, TvdHS+12]. **Webb** [ZJS15]. **Weighted** [HMM+10, NMT+12, CCD11b, CRT14, DB13, Fan14, FSTY14, FCYF11, HKLY13, HWA10, LQ10b, MPWK13, PWK11, PHD14, SYL12, XW10, YF14, ZKZ10, ZS13, DRW11]. **weighted-integral** [XW10]. **weighting** [AW14]. **weights** [AH13b, TE14]. **Welding** [SPS14]. **Well** [DLM13b, FMT11a, KM14a, MPT13, BF12, DLGP13, DLM13c, FMM+10, LGLX14, RNT12, WYS+11, WZZ14, Xin14, DMMGM14]. **Well-balanced** [DLM13b, FMT11a, KM14a, MPT13, BF12, DLGP13, DLM13c, FMM+10, LGLX14, WYS+11, Xin14, DMMGM14]. **well-conditioned** [WZZ14]. **well-posedness** [RNT12]. **Weller** [JM10]. **wells** [OD12]. **Wendroff** [FY13, TS10, TWSN12]. **WENO** [ADB14, AH13b, BD14b, BBD14, BDMV11, CCD11b, CTJT13, CC14, DZHB13, Fan14, GXS14, HHS+13, HPOM10, Hu13, HAQ12, HAH14, JZ13, Joh11, KHGW13, KGK13, LXL+12, LXS+13, Nor14, QC10, QS11a, SABH11, SHZ13, SQC11, SZH12, TTD11, TAD14, XQX13, XQXC14, ZS12, ZT13b, ZQ11, ZQ13, ZZSQ13]. **WENO-** [Fan14]. **WENO-enhanced** [KGK13]. **WENO-limited** [Nor14]. **wet** [DLM13b, MHHGN14]. **wet/dry** [DLM13b, MHHGN14]. **wetting** [BPHK13, CL13, SS13b, SS14b]. **WFA**

[DRW11]. **which** [ZA14]. **whistler** [GKS+11, WS14]. **whistler-mode** [GKS+11]. **White** [GDW11]. **widely** [RCCW10]. **Wigner** [JC10, JCT11, JLC14, RSK13, SD14a, SD14b]. **windkessel** [IWG13]. **windows** [LCNK10]. **wings** [NL12a]. **wireline** [PMM+11]. **wise** [AOCR12, BLR13a, OAKR14, XLD+11]. **within** [KH13, LB14, RSK13, RG13, SBC+14, XHF13, Yok14]. **without** [AV13, AM10, Del14, HSWZ13, MW12, Min13, PM14]. **wood** [CTP13, BD14c]. **Woodbury** [CP14]. **work** [ZGSZ10]. **worldwide** [JWNL11]. **written** [VMA14].

XFEM [KBSV14]. **XFEM-AC** [KBSV14]. **XTOR** [LL10b].

Yamakawa [LGG+13]. **Yee** [BWC11, BWC13, KGKS13]. **Yee-lattices** [KGKS13]. **Yosida** [HHK13]. **Yosida-based** [HHK13].

Z [CCD11b]. **Zadeh** [HSK+15]. **Zakharov** [XXS10]. **Zernike** [BY11, LB14]. **zero** [BCG+13]. **Zipper** [WQCS13]. **zone** [RG12].

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Anonymous:2012:EBk

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Anonymous:2013:EBd

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Anonymous:2013:ICCb

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Anonymous:2013:ICCc

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Anonymous:2013:ICCd

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Anonymous:2013:ICCe

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Anonymous:2013:ICCf

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Anonymous:2013:ICCg

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Anonymous:2013:ICCh

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Anonymous:2013:ICCi

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Anonymous:2013:ICCj

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Anonymous:2013:ICCk

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Anonymous:2013:ICCl

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Anonymous:2013:ICCm

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Anonymous:2013:ICCn

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Anonymous:2013:ICCo

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Anonymous:2013:ICCp

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Anonymous:2013:ICCq

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Anonymous:2013:ICCr

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Anonymous:2013:ILa

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Anonymous:2013:ILb

[Ano13-32] Anonymous. IBC: LANGUAGE_ED. *Journal of Computational Physics*, 240(??):??, May 1, 2013. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999113001666`.

Anonymous:2013:OICa

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Anonymous:2013:OICb

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Anonymous:2013:OICc

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Anonymous:2013:OICd

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Anonymous:2013:OICe

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Anonymous:2013:OICf

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Anonymous:2013:OICg

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Anonymous:2014:Cc

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Anonymous:2014:Ce

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Anonymous:2014:Ci

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Anonymous:2014:Cj

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Anonymous:2014:Ck

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Anonymous:2014:Cq

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Anonymous:2014:Cr

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[Ano14s] Anonymous. Contents. *Journal of Computational Physics*, 273(??):IBC, September 15, 2014. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999114004604`.

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Anonymous:2014:Cv

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Anonymous:2014:Cw

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Anonymous:2014:Caf

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Almanasreh:2017:CSF

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