Title word cross-reference

1 [TPKP12]. $\$15K$ [WGL+98]. 2 [GROZ04, Lab98, Liu08, ON08a, RS94, VGZB09, WYW05, WXQL08]. 3 [BDMN03b, BHR04, BHGR04, CDM98, DDL13, Dar02, GP08, GD03, JMC97, NW89, NH97, ON08b, PG94, QCG15, Sar03, TCD17, WY05, WLL+07, WZC+17, WCZ+20, iYNK02, YB01, ZY05]. $\$50/Mflop$ [WSB+97]. $\$7.3/Mflops$ [KFM99]. 3 [PG96b]. $h = 0$ [DNS90]. $K$ [MG05, CK95b]. $LU$ [MG07]. $R^n$ [CBN02]. $N$ [Aar85, Alu94, APG94, Alu96, AGPS98, AAL+01, And99, Ano94a, Ano94c, ADB94, ADBG99, Bag02, Bar86, BADP96, BAAD+97, BADG00, BAD01, BS97, BN97, BOX00, Bor86, BDS07, BME90, BME93, BEM94, DH86, Dem95, Dem96a, Dem96b, DHM03, FRA+08, FM95, FM96, FQG+92, HTG02, HJ96, IFM09, IIM05, KAT89, KFM99, KMT00, KMT94, LKM02, Liu94, MIES90, MTES94, MT95, MD12, MG05, MMC99, MCD97, NMH06, Oku96, PGB05, Per99, PRL03, SWW94, Sal96, Sha06, SP99, Sin92, SH99, SH95, SHT+95, SRK+12, TMES94, TWYC06, TYON12, TYN012, Ten98, TL14, WPM+02, WS92, WS93, WN14, WSWL95, WSH+12, Xu95, Yin15, YF05, Ano94b, CK95a, CK95b, GKS94, GKS98, Gre90b, HNY+09, HN10, HS95, KK95, Xue98]. $N \log N$ [AO10, DYP93, ADO11]. $\nu$ [SH07]. $O(\log_2 n)$ [JBL02]. $O(N)$ [BSL11, Deh02, DTG96, OKF14, Xue98]. $O(N \log N)$ [BH86, FGM11, PJY95]. $r^{-\lambda}$

A Bibliography of Publications about the Fast Multipole Method

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-Body [Ano94b, CK95b, GKS94, KK95, BEM94, GKS98, Gre90b, HNY+90, HN10, HS95, Xue98, AGPS98, AAL+01, And99, ADB94, Bag02, BADG00, BS97, BN97, BOX00, FM96, HTG02, HJ96, KFM99, KFMT00, SWW94, SHG95, SHT+95, Ten98, WPM+92, WS93, Xun95, Yin15, YF05, Aar85, Alu94, APG94, Alu96, Ano94a, Ano94c, ADBG99, Bar66, BADP96, BAAD+97, BAD01, BDS07, BME90, BME93, CK95a, DSH6, Dem95, Dem96a, Dem96b, DHM03, FRE+98, FM95, FQC+92, IFM09, IHM05, Kat89, KMT94, LKM02, Liu94, MIES90, MTES94, MT95, MD05, MG05, MCM99, NMH06, Oku96, PGB05, Per99, PRL03, Sal96, Sha06, SP99, Sin92, SRK+12, TMM94, TWYC06, TYON12, TYON12, TL14, WS92, WN14, WSWL95, WSH+12]. -D [NH97, WZZ+20, BDMN03b, CD98, DDL13, Dar02, GRO20, GD03, JMC97, NW89, Sar03, TPKP12, WYW05, YB01, ZY05]. -dimensional [Lab98]. -means [MG05]. -Nearest-Neighbors [CK95b].


3 [OME+92]. 3-D [WY07a]. 3051-66 [YB97]. 33rd [IEE92a]. 3D [LO96b].

4 [Ano94a, FM95, FM96, MTES94, MT95, TMES94]. 42 [HNY+90].

5 [KFM99, KFMT00]. 512 [MHI07]. 512-core [MHI07]. 512-Gflops [MHI07].

6 [MKFD00, MKFD01, MKFD02, MKFD03].

8 [MD12]. ’88 [KK88]. 8th [BGPW00].


= [Ano97b].

A-posteriori [XTH09]. above [GSC01].

Accelerate [CS98b, LSCM96, LKM02, TYNO12].

Accelerated [BCL+92, EB96, SH07, WZZ+17, WN14, AC17, BHE+94, BHER94, EB94, EG01, GD09, GODZ10, GAD13, Ham11, JH08, LCM07, MR07, QCG15, Tak14, WLL+07, ZD05]. Accelerating [GHRW98, MG09, WC94a]. Acceleration [CKE08, HZH+18, LCZ07, SWW99, VCM00, BK96, KCF+05, SGD+04]. accelerator [ATM93, MD12]. accomplishments [Ano90]. Accuracy [CCD97, DY98, CB09, GL96, JP89].

Accurate [SRDP06, AHP93, Dac06, EG09a, EG13, HHHP09, HHH19, ZGD+16]. achieves [WGL+98]. Achieving [SSF96].

ACM [IEE02, Kar95]. ACM/IEEE [Kar95, ACM97]. acoustic [AD05, BSL09, BN07, CWK08, GF60b, GF60a, HW10, TCW08, WJY906, ZGD+16].

acoustic-structure [GF60b, GF60a].

acoustics [FG05, OLL04]. Acta [Is197].
Adaptation [McK96]. Adapted [NT96, NT94]. adaptation [BLA05].
Adaptive [BT95, BSL90, BS97, BFO99, GE13, GP08, HEGH14, KK95, NPR93, PD15, SIHG93, SHT+95, Ten98, ZT07, AC17, BCP08, CCR88, CRR99, CHL06, CF10, FOCH96, GY08, GL96, GCH+18, HJZ09, LCL+12, LB92a, LCM10, LCM13, PRL03, YBZ04, ZHS10]. addition [HC08, KSC99]. address [HS95].
Advanced [HM86, Win95, dCGQS06, TYON12]. Advances [BLA05, SM05]. advantage [Ano92]. Adventures [CDCD97]. affinities [KSS10]. AFMPB [LCHM10, LCHM13].
after [ZQSW94]. Algebraic [Car09, YTK14, OF08, PRT92]. Algorithm [BS00, Bar86, BFO99, CDM98, CSMCxx, Deh02, DD95, EB96, JMC97, JMBC98, KK95, Lea92, LQ96a, MBS+00, MG11, MPA96, NPK93, OKF14, SLC96, SLC97, WC94b, WS93, WN14, YR99, ZBS15, AR91, Alu96, AP99, ATR+12, BN92a, BJWS96, BSS97, BCL+92, BP03, BCO94, BP93, CCR88, CG04, CC13, CRR99, DR96, EGHT97, EB94, EG08, EG09a, EG09b, Erg11, EG13, GH08, GDC08, GKD09, GR87, GR88b, HS08, HSA91, HC10, HR98, JMBMC98, KM00, KK16, KS98a, LM02, LDB96, LB91, LB92a, LB92b, LZL04, LLOH08, LC93, LC94, LW+02, MG07, MG09, MCB070, NW98, NQK94, NT09, OR89, OLLL03, OLL04, PJ95Y, PRL03, Rah96, RCW97, Sar93, ST03, SK04, Sud04, TC909, TK18, WJY060, WL96, Xue98, YRS13, YB204, Yin06, YB12]. algorithm [ZCG00, ZBS11, ZCL+98, ZB95, ZD05, Lea92, MB16]. Algorithms [APG94, AGP98, Ano94c, ADBG99, BF78, Bhs97, BN97, Boy92a, CK95a, DSO0, DGR96, LCM+06, Liu94, MBS+00, MBS15, Pri94, Ten98, BCP08, BHE+94, BHER94, BM93, BEM94, DH03, ES95, Gre94, K+96, Mak93, PRT92, Pe98, Win95, Yin09]. ALiCE [HTG02]. All-to-All [HP95].
Aqueous [GP93].

Arbitrary
[LS93, WZC+17, EIM+92, GSC01, GL96, KS98b, LM02, Tau03b, YRG13].

Architectural [DRS96]. Architecture [Lea92, NMH06, Sin92, TYON12, TYNO12].

Architectures [SHG95, HGD11, LCL+12, MMC99].

arithmetic [LKM02]. armed [KLM+09].

array [CKS91]. article [Dac10].

ASCI [WSB+97]. aspects [CHJN03]. assemblies [CPP93, LDB96].

Astrophysical [Ano94a, KFM99, MTES94, MT95, WS92, WSH+12, ZBS11, ZBS15].

Astrophysics [FQG+92, HNY+09].
asymptotic [BK96, Dar00a]. atom [DKG92c, FRE+08]. Atomic [AC94, DKG92a, Kon93]. Atoms [McD97, Pie93].

Atoms [McD97, Pie93]. August [IEE96b, RSS96].

Australian [Ano92]. Automatic [RGKM12]. Autotuning [HEGH14].

Avalon [WGL+98]. Axial [SMC97, SM97].
[BH03, BR93, Bre04, LJ96b, LJ96a, MBA97, Osw06b, SS07, WZC+17, WSW+95, AP03, Atk97, BSL90, Bes00, BWS+95, BHR04, BHGR04, Car06, Car07, CWHG97, CWK08, Gas97, GBMN06, Gav11, GOS99, GP08, GD09, GODZ10, GAD13, Ham11, KMC09, KCF+05, Ls05, LOSZ07a, LOSZ07b, LCQF18, LHL08, Lin95, Liu08, Liu09, LC94, Mil08, OSW05, OSW06a, Oi08, Oks09, ON08a, ON09a, ON09b, PN95, QCQ15, RSZ09, SGG+04, Sat10, Skt93, Sin95, Tak14, Tcd17, Tw03, Tan04, VGZB09, WY05, WY07b, WY07a, Wslw95, Xjm08, Yin09, iYnk02, YAO18, Ysm05, BR93].

**Boundary-Integral** [Lj96b].

**Boundary-value** [Lin95].

**Bounds** [Gss98a, Gss00, Wk18].

**box** [Fd09].

**Brest** [Es04].

**Breit** [JdR+18].

**Bridging** [Aab+17].

**Broadband** [Wjyo06, Gd90].

**Brownian** [Dhm03].

**Building** [Td09].

**buried** [Ers01, Gso01].

**C** [Bglm05].

**CA** [B+95, Ano95b, Ano96, Ano97a, Kar95, Wel91].

**Calculate** [BvW96, Bv96b, Bv96a, Kmc09].

**calculated** [Dm90, Ya018].

**calculates** [Atm03].

**Calculating** [Bfo99, Dm90, Lchm10, Lchm13, Skt94].

**Calculation** [Dhe02, Ha17, Nt96, Bhr6, Bh03, Fgm11, Ldb96, Oll03, RCWY07].

**Calculations** [Bgg70, Ber95, Cdg03, Cdg05, Kss10, Ks11, Pnb94, Csa95, Kk16, Sks98a, Lcm07, Pa14, Skt93, Whg96a, Wjgh96b, Whg96b].

**Calderon** [Nn12].

**California** [Ac97, Rod89, Ful97, Iee95, Pa02].

**Canada** [Iee97, Bb93].

**cancer** [Es04].

**Canonical** [Lcp93, Kmo0].

**Capacitance** [Ybo1, Jc04, Nw89].

**capacitive** [Gsg+04].

**Cardinal** [Boy92].

**Carlo** [Ers01].

**Carrier** [Bb98].

**Cartesian** [Csa95, Cs82, Hf92, Hll+18, Le 97, Sh07].

**Case** [Bglm05, Groz04, Psp95, Pss95].

**Cauchy** [Cl12, Lcd14].

**CE2014** [Mbs15].

**cell** [Cc13, Cwd08, Dkg92a, Dkg92c, Gk95, Ks98b, Kn95, Lm02, Fl13].

**cells** [Dkg92c].

**Center** [Ac97, Hol12, Iee90, Kar95, Pan95, Mfk00].

**central** [Eim+92].

**challenge** [Bha97].

**channels** [Gdo90a].

**characteristic** [Gd08].

**Characterization** [Cbo9].

**Charge** [Ac94, Cc13, Gy08, Kan15].

**charged** [Ab95, Cpp93, Kn95].

**Charges** [Ac94, Cjd07, Dc07].

**Chebyshev** [Boy92a, Lrw95].

**Chem** [Dae10].

**Chemistry** [Adg96, Mat95, Sp96, Ls96].

**Chennai** [Iee98].

**chips** [Mhi07].

**Chiral** [Smc97, Sm97, Shm98].

**Christoffel** [Bt03].

**city** [Hol12, Rss96].

**Clar** [Ful97].

**class** [Pa14].

**classical** [Gd94, Rok85].

**closed** [Bhr04].

**closest** [Ck95a].

**Cluster** [Pnb94, Ln10, Wgl98, Yns09].

**clustering** [Mg05, Swj05].

**Clusters** [Adg94, Bp88, Hl15, Zbs15, Gis98, Gd05, Kno93].

**Coarse** [Gib11, Pa14].

**coarse-grained** [Pa14].

**Coarse-graining** [Gib11].

**coated** [Zcg00].

**COBE** [Zqs94].

**Code** [Adg94, Bag02, Bb95, Rb90, Badg00, Cdm98, Cwa14, Ifm09, Slc98a, Slc98b, Bad96, Bad97, Bado1, Bcado6, Duh96, Gy08, Gd99, Jd98, Jkccg98, Jps9, Lwm02, Pd98, Pg94, Spr05, Wam99, Wsh12].

**Codes** [Sww94, Wsw95, Nm06, Fud16, Wswl95].

**Coefficients** [Gd03, Beb06, Fst05, Ks11].

**Cold** [Zqs94].

**collective** [Bsvd94].

**Collision** [Bt95, Wn14, Jd98].

**collisional** [Ty012].

**collisionless** [Ty012].

**Combined** [Jmb98, Km00].

**Combining** [Cdg03, Cdg05, Cwd08, Ddl13, Dm12, Flzby97a, Flzby97b, Gd08, Prt92, Zb95].

**Comment** [Kan96, Wjgh96a].

**Comments** [Pg96b].

**Communication** [Hp95, Ytk14].
BSvdG+94, IYK16, KP08, SS89, TPKP12.

Communications [KP05a]. Companion [HDG+15]. Comparison [BN97, CDM98, EG09a, RSZ09, WPM+02, Ees95, SKPP95].

competitive [Ano92]. Complement [MG11]. Complex [CSMCxx, MGM95, MBS15, SLC96, SLC97, Syf03, AC17, BGGC06, CC10, CC12, NW89, Rei99, TW03, ZJ95]. complexes [KSS10].

Complexity [JBL02, Pan92, YTK14, Dar00a]. Complement [MG11]. Complex [CSMCxx, MGM95, MBS15, SLC96, SLC97, Syf03, AC17, BGGC06, CC10, CC12, NW89, Rei99, TW03, ZJ95]. complexes [KSS10].

Computable [AC94]. Computation [BEM94]. Computationally [KM00]. Computations [ERT12, Pan92, KAN95, KAN96, OKS09, Syf03, VOD08, WJGHG96a, YF98].

Computer [AT87, Ano94a, BGGT90, BP88, CKE08, FM96, HE88, IEE92a, KFMT00, MIES90, MFKN03, Bar86, EIM92, EFT93, FMI93, FM95, HFKM98, HGS90, KMT94, MIES90, MT95, MHI07, OMY+94, OYK+14, OMY+94, SCM+90, TMES94].

Computers [FHM99, LCP93, MT98, DK93, LBI+97, NVK94, OCK+03]. Computing [AC97, B+95, BGI+99, HTA+97, Hol12, IEE94b, IEE96b, IEE98, LCK11, Mat95, PA02, SHMC97, WWF02, WSW+95, CGLO3, CPP93, IYK16, MHI07, MCM99, PRT92, Rod89, SH07, Xue98]. concise [PJY96], condition [YAO18]. conditions [CWHGHG97, SKT93, Sin95]. Conducting [GA96a, HAS02].

Conference [ACM96, ACM97, Ano92, Ano95a, B+95, BR93, HTA+97, Hol12, IEE94b, IEE96c, IEE98, IEE02, Kar95, KK88, LCK11, MC92, MBA97, Rod89, Wel91]. conformal [OR89].

Congress [BGPPW00]. congressi [Ano95a]. conjunction [CCKL99]. connected [GGM93]. Connection [BME90, WS91, ZJ91]. conquer [CG04].

conserving [CC13]. constant [Rei99].

Constrained [FGB05, SL96].

Constructing [BF78]. construction [HHK99]. constructions [PUD16].

containing [WYW05]. continued [Dem95].

continuous [BS19, FGM11, LBGS16, WJGHG96b].

cotinuum [BCM02]. Contour [Sch94, VCM00, ZGD+16]. control [GKD99]. controlled [DAC09, DAC10].


convolution [BKM09, HW10, PSN04]. cooperation [ATMK03]. Coordinate [BF78].

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corrector [TWYCO6]. correlated [Sal96].

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Coulomb [ADG96, BFO99, CFH89, DNS90, DGK92a, DGK92b, DGK92c, DTG96, GGM01, GH02, HDS+16, KS98a, SPS96, SSF96, ZHD98].

Coulombic [HA17, PG96b, SKT93]. Coupled [LS05, MBS15, PNB94, SGD+04, NMDK99, RSBS19].

Coupling [BDMN03a, BDMN03b, Dar02, DM07, GBMN06, MB05].

course [BG97]. CPU [HEGH14].

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Cray [KRO99, KRO01, KRO02]. Cross [Gue97, GP08].

Crystal [MPPA96].

crystals [ON08b].

CS [Dem95, Dem96a, Dem96b].

Cubic [WWF02]. cultura [Ano95a]. Current

CGL03, Les96]. curved [GH08].

curves
[STZ14]. Custom [PA02]. cutoff [KLM+09].
cutoffs [DKG92b]. cylinders
[CG97, ZCG00]. Cylindrical
[SHMC97, SMC97, SM97, SHM98].

D [NH97, WCZ+20, BDMN03b, BHR04,
BHGR04, CDM98, DDL13, Dar02, GROZ04,
GP08, GD03, GA96b, JM97, Liu08, NW89,
ON08a, ON08b, PG94, QCG15, RS94, Sar03,
TC17, TP12, VZB09, WY05, WY07a, WLL+07,
WQ08, WZC+17, iYNK02, YB01, ZY05].

Dame [IEE96c]. Dangers [BS93].
Dark [ZQSW94]. Data
[AAL+01, And99, BGLM05, HJ96, LY14,
NPR93, SS99, SHT+95, WPM+02, BADP96,
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WS92, YGSR01]. Data-driven [LY14].

Data-Parallel [HJ96, NPR93].
data-sharing [BADP96]. data-sparse
[LOSZ07a]. databases [Mak93]. DC
[IEE94c]. debugging [RC97]. December
[Ano92, IEE98, Kar95, K+96, Rod89].

Decomposition [CK95b, BJWS96, BP03,
BCOY93, BCOY94, CvHMS94, CWD08,
LM02, OSW06b, RTA+08, ZT97].
Decoupled [PGdS+15]. deferred [JH08].
deformable [Ros06, ZD05]. della [Ano95a].
Delta [FQ+92]. Dense
[CPD17, GSS98b, BGGC06, CG97, PG94].
densities [GY08]. Density
[AC94, BS19, LBS16, PNB94, WWF02,
KAN95, KAN96, WGHH96a, WGHH96b].
dependence [RC97]. dependent [MD98].
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Derive [RGKM12]. Descent
[JM97, JM98, ESR01]. Descent-Fast
[JM98]. description [HF92]. Design
[BGI+99, Lea92, ZBS15, And08]. detect
[TD09]. Detection
[BG95, ESR01, JdR+18]. Determination
[PNB94, Dac06]. Developer [IEE96c].
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[Rah96, AP99, CG04, ESM98, KSC99, Rok98].
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[DSR96, KLZ+06]. Difficulties [BSS97].

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[Bha97]. dimension [MR07]. Dimensional
[JMB98, LS93, PTH95, SC95, SW95+95,
BSL09, BL97, BCR01, CWK08, CC10,
CC12, ESR01, ES04, ECL02, EM08,
GH98, GD09, KSS07, Lab98, LCQF18, NT09,
OLL03, PSS95, PSS95, RRR03, SK04,
Tak14, TC09, TG08, WY07b, WSL95,
XJM08, YR98, YB97].
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[CS98a, LO96a, MCK96, Nil04, RRR05,
SL91, BPT07, CGR99, CHL06, CCG+06a,
CCG+06b, EG01, GR88a, GR97, GH02,
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[CPP93, CFH99, KNN95]. Direct
[Aar85, CPD17, BME90, BME93, BEM94,
FL08, GL96, LHL08, NMP96]. direction
[HM95]. Directional [BPT+14]. Dirichlet
[GMM93, Mil08]. disciplinary [WSH+12].
discontinuity [RSB91]. discretization
[BDMN03a, BDMN03b, Dar02, GBMN06].
discretizations [Beb06]. Discretized
[VTG91]. dispersions [CG97].
displacement [RSB91]. distorted
[HJ10]. Distributed
[AC94, IEE96b, MB16, SRP06, YB01,
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LBC91, LMCP92, MMC99, MRH14].

Distributed-Memory
[MB16, DK93, LMCP92]. Distribution
[Alu94, APG94, AGPS98, Ano94c,
BAAD+97]. Distribution-Independent
[Alu94, APG94, AGPS98, Ano94c].
divide [CG04]. divide-and-conquer [CG04].
DNA [FOCB96]. domain
[BCOY93, BCOY94, CWD08, GP08, LM02, Liu08, LCZ07, Mil08, OSW06b, OFH+08, RS09, VW02]. domains
[BHR04, GGM93, GK04]. Don’t [Bar90].
doubly [DK04]. doubly-periodic [DK04].
DR [MI07]. DREAM [OMH+94].
DREAM-1A [OMH+94]. driven
[BSL11, LY14]. drops [ZD05]. dual
[CCKL09, LCQF18, Liu08]. dual-level
[LCQF18].
Dynamic
[HEGH14, BAAD+97, CK95a, FG96, MG05].
Dynamical
[SWW94, WSWL95].
Dynamics
[BBG790, BHGS90, BP88, CDC97, HM86, JBL02, LCP93, MPPA96, NT96, OKF14, Sch94, TDBE11, WLMP99, ATMK03, BSL11, BAL91, BSS97, BCL+92, BHE+94, BHER94, BCOY93, BCOY94, BP93, CvHMS94, DK93, EGHT97, FMI+93, GDX93, GZ07, HGS90, Ich02, KM00, KPo5a, LM02, LBC91, LBT+97, LMCPP92, LWM+02, LRJ+99, NKV94, NT94, OMH+94, OYK+14, OP07, PGB05, SF18, Ske89, VZB09, VCM00, WS91, Win95, ZB95].
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Economization [LRW95]. Editor [GW98].
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effects [AB95, BPK85]. Efficiency
[HZH+18, HLL+18, KK16]. Efficient
[BS97, DH04a, EG08, HS08, NT96, RS06, SKT93, Ami00, App85, Bar86, BHR04, CL91, CCZ97, CWD08, EG09b, GR88b, KM00, Kro01, KS98a, LDB96, O80, PN95, TSIM16, WL96, WHG94, YF98, ZGD+16].
eigendecomposition [CG04]. eigensolver
[ZGD+16]. Eighth [HTA+97]. elastic
[CCZ97, TC09]. elasticity [GKM96].
elastodynamic [CB14]. elastoplastic
[WY07b]. Elastostatic
[WZC+17, GG16, GH98, HLL08, Liu08, MB05, iYNK02, ZY05].
elastostatics [OSW05, PN95]. Electric
[Gus98, PNB94, Z93, ABDO4, CS82, HF92, WFC08]. Electrically
[HAS02, GDDC08].
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[HB93]. Electrolyte [HB93].
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[CSMCxx, EMRV92, GA96a, GA96b, SL97, BGGC06, Car09, ESRS01, ES04, GH98, MG07, MD98].
electromagnetics [AFO95b, AFO96, AFO97a, CJL+97, Erg11, Gib08, LZL04, OM08].
electromagnetism
[CDGS03, CDGS05, BDMN03a, BDMN03b, Car06, Car07, DM07, SY03].
electron
[GIS98, NH97]. electronic
[Go99, Kon93, KS98a, SSF96].

Electrostatic
[CFH89, NT96, Pe98, BAL91, BHGR04, BHGR05, CC13, CG97, DM09, EGHT97, FOCA96, GB11, GM94, LCM07, NT94, OKS09, PA14, SGT+04, SKT94, YAO18].
Electrostatics
[SRP06, BWS+95, FGMM11, LCHM10, LCHM13, YBK+11]. Element
[BR93, LJ96b, LJ96a, MBA97, WZC+17, WSW+95, BSL09, Beb06, BWS+95, BH03, BHR04, BHGR04, CWK08, Gav11, GP08, GD99, GODZ10, Ham11, KMC09, KCF+09, LS05, LOSZ07a, LOSZ07b, LCQF18, LHL08, Liu08, Liu09, OSW05, OSW06b, OF08, OKS09, PN95, SGT+04, Sat10, SS07, TCD17, VW02, VCM00, WY05, WY07b, WY07a, WSWL95, XJM08, YSM05].

Element-Boundary
[LJ96a, SGT+04].
elements
[BR93, Bre04, FST05, GAD13, R006].

Elizabeth [IEE97]. elliptic
[A+97, Bhb06, FST05, LC14]. elliptical
[R006]. Elongation
[KLM+09]. embedded
[SHM98]. EMC [HU97]. energetic
[BPK85]. energies
[DTG96, FMM11].
Energy
[HZH+18, BSSF96a, BSSF96b, CC13, CPP93, FOS96].
energy-conserving
[CC13]. Engineering
[MBS15, SM05]. Ensemble
[LC0393, entire
[LCZ07]. entirely [Sar03]. Equation
[CD13, GHRW98, GD03, MG11, Nil04, SC95, Sta95a, AP03, ABDO4, BH03, CHL06, CCG+06a, CCG+06b, CC10, CC12, CRW93, DDL13, Dar02, EG09a, GMM93, GKM96,
GR97, GK04, GD06, GD09, GAD13, Kro99, LHL08, LC94, MCBB07, MMNB06, NN12, OLL04, ON08a, ON09a, QCG15, RS97, Rok98, Sta95b, Tak14, WLL+07, WFC08, iYNK02, ZCO0, ZKL+07. Equations [DY98, AHLP93, AD05, Atk97, BDMN03a, BDMN03b, Coo07, CCZ97, DH04b, Fu98, Gav97, GBMN06, GOS99, GD07b, Hav03, LCL04, LCL93, NT09, ON08b, ON09a, ON09b, RSK99, RO04, Rok85, Rok90, RC04, VG08, TWW02, WLL+07, WCZ+20, Yin09, XZ19, ZCO0].

Equispaced [DR95].

Erratum [BEM94, FLZB97a, SL97a].

Error [BH89, CC04, CC05, GKD09, GSS98a, GSS00, KSC99, OC05, PSPS95, PSS95, SP97, Dac09, Dac10, OC03, Pe98, WK18, Dar00a].

Error-controlled [Dac09, Dac10].

Error-estimates [PSS95].

Euler [RS94].

Eulerian [NMDK99].

EuMC [Ano95a].

European [Ano95a].

Evaluate [CDM98].

Evaluated [ZZ93].

Evaluating [McK96, AB95].

Expansion [KS11].

Extensions [CC82].

Extended [KS11].

Extending [CDJ07, DC07].

Extension [Gy08, TYON12].

Extents [TYON12].

Extreme [WSS+12].

Extreme-scale [WSS+12].

Facility [RTZ+96].

FAMUSAMM [EGHT97].

Far [LSCM96, HW11].

Far-Field [LSCM96, HW11].

Fast [And92, BT95, BL97, BN98, BCR01, BPT07, BK15, BPT+14, BF78, BCO08, BKM09, BV99, BV99b, BS00, BL98, BL05, BFO09, Boy92a, BHR04, BHR04, BHR05, CDM98, CDGS03, CDGS05, CL12, CC15, CSMCxx, CCZ97, CS98a, CS98b, CWA14, CBN02, CCL+97, CC10, CC12, CPD17, CKB11, Dac06, Dar97, DY98, Dem95, Dem96a, Dem96b, DD95, DR95, DGR96, EB94, EB96, EMRV92, ESM98, EG13, FOCB96, Gas97, Gav11, GSC01, GP93, Gre94, GHRW98, GW98, Gue97, GD06, GD07a, GD08, GAD13, GAO96, GA96b, GS98b, HOST95, HAS02, HC10, HA17, HEGH14, JMC97, JMB09, JMB10, JMB09, KLC09, KK95, KCF+05, LCD14, LHL08, Liu99, LX17, LC93, LSCM96, LJR96b, LJ96a, LJR96a, LRW95, MJ95, MJ96, MBS+00, Mak04, MG11, MB16, MB05, MGM95, McK96].

Fast [MPPA96, MMNB06, NW89, NT06, NI04, NPR93, O070, OKS09, PSN04, PD15, Pri94, QCG15, RRR05, BW94, RS94, SWW94, Sch94, SFG9, SHMC97, SMC97, SHHG93, SHT+95, SC94, SC95, SLC96, SLC97, Sta95a, Sp01, STZ14, WC94a, WC94b, WLMP99, WYY05, WYY07b, WXQL08, WZC+17, WSW+95, XWY+08, XJM08, YR99, Yin09, Yin15, YNS+09, YB01, ZY05, AHLP93, AR91, AG88a, AG88b, AP99, AP00, AP03, Ami00, ATMK03, AT+12, AC17, BDMN03a, BDMN03b, BS09, BG97, BS19, BWS+95, BV96a, BSS97, BCL+92, BPO3, BSS96a, BSS96b, BK96, CDJ07, CDM98, CDGS03, CDGS05, CL12, CC15, CSMCxx, CCZ97, CS98a, CS98b, CWA14, CBN02, CLJ+97, CC10, CCL2, CPD17, CKB11, Dac06, Dar97, DY98, Dem95, Dem96a, Dem96b, DD95, DR95, DGR96, EB94, EB96, EMRV92, ESM98, EG13, FOCB96, Gas97, Gav11, GSC01, GP93, Gre94, GHRW98, GW98, Gue97, GD06, GD07a, GD08, GAD13, GAO96, GA96b, GS98b, HOST95, HAS02, HC10, HA17, HEGH14, JMC97, JMB09, JMB10, JMB09, KLC09, KK95, KCF+05, LCD14, LHL08, Liu99, LX17, LC93, LSCM96, LJR96b, LJ96a, LJR96a, LRW95, MJ95, MJ96, MBS+00, Mak04, MG11, MB16, MB05, MGM95, McK96].

Fast [MPPA96, MMNB06, NW89, NT06, NI04, NPR93, O070, OKS09, PSN04, PD15, Pri94, QCG15, RRR05, BW94, RS94, SWW94, Sch94, SFG9, SHMC97, SMC97, SHHG93, SHT+95, SC94, SC95, SLC96, SLC97, Sta95a, Sp01, STZ14, WC94a, WC94b, WLMP99, WYY05, WYY07b, WXQL08, WZC+17, WSW+95, XWY+08, XJM08, YR99, Yin09, Yin15, YNS+09, YB01, ZY05, AHLP93, AR91, AG88a, AG88b, AP99, AP00, AP03, Ami00, ATMK03, AT+12, AC17, BDMN03a, BDMN03b, BS09, BG97, BS19, BWS+95, BV96a, BSS97, BCL+92, BPO3, BSS96a, BSS96b, BK96, CDJ07, CDM98, CDGS03, CDGS05, CL12, CC15, CSMCxx, CCZ97, CS98a, CS98b, CWA14, CBN02, CLJ+97, CC10, CCL2, CPD17, CKB11, Dac06, Dar97, DY98, Dem95, Dem96a, Dem96b, DD95, DR95, DGR96, EB94, EB96, EMRV92, ESM98, EG13, FOCB96, Gas97, Gav11, GSC01, GP93, Gre94, GHRW98, GW98, Gue97, GD06, GD07a, GD08, GAD13, GAO96, GA96b, GS98b, HOST95, HAS02, HC10, HA17, HEGH14, JMC97, JMB09, JMB10, JMB09, KLC09, KK95, KCF+05, LCD14, LHL08, Liu99, LX17, LC93, LSCM96, LJR96b, LJ96a, LJR96a, LRW95, MJ95, MJ96, MBS+00, Mak04, MG11, MB16, MB05, MGM95, McK96].

Fast [MPPA96, MMNB06, NW89, NT06, NI04, NPR93, O070, OKS09, PSN04, PD15, Pri94, QCG15, RRR05, BW94, RS94, SWW94, Sch94, SFG9, SHMC97, SMC97, SHHG93, SHT+95, SC94, SC95, SLC96, SLC97, Sta95a, Sp01, STZ14, WC94a, WC94b, WLMP99, WYY05, WYY07b, WXQL08, WZC+17, WSW+95, XWY+08, XJM08, YR99, Yin09, Yin15, YNS+09, YB01, ZY05, AHLP93, AR91, AG88a, AG88b, AP99, AP00, AP03, Ami00, ATMK03, AT+12, AC17, BDMN03a, BDMN03b, BS09, BG97, BS19, BWS+95, BV96a, BSS97, BCL+92, BPO3, BSS96a, BSS96b, BK96, CDJ07,
CC04, CC05, Car09, CGR88, CWHG97, CDF10, CWK08, CCKL09, CGR99, CHL06, CCG+06b, CRG01, CPP93, CWD08, CRW93, CFR08, CB09, Dac09, Dac10, Dar02, DM07, DM12, Dar00a, Dar00b, DH04a, DH04b, DC07, DR96, ESRS01, ES04, fast [Eng11, EG08, EG09a, EG09b, Erg11, EG01, FFG11, FLZB97a, FLZB97b, FPG05, FD09, Fu98, GDC08, GBM06, GF06b, GF06a, GIS98, GY08, GR02, GG16, GROZ04, GKD09, GE13, GR87, GR88b, GG89, GG90, GS91, GH02, GCH+18, GD05, GD09, GODZ10, Ham11, HHKP09, HS08, Hav03, HLL08, HW10, HW11, HU97, HR98, HGD11, HJZ09, HLL+18, IYK16, Kan15, KM00, KSS10, KS11, Kf93, KLM+09, KS98a, KS98b, KS04, KP05a, KP05b, KP08, KAN95, KAN96, Lab98, LOSZ07b, LCL+12, LBG16, LB91, LB92a, LB92b, L98, LHZL04, LCQF18, LGG+13, LC14, Lin08, LY14, LC207, LCM07, LCHM10, LCHM13, LW+02, Mak99, MG07, MG09, MR07, MRH14, NT09, NN12, NH97, OR89, OSW05, OSW06a, O98, OCK+03, OYK+14, OMC08, OLL03, OLL04, OFH+08, OP07, ON99a, PJY96, PSP94], fast [PS95, PSS95, PA14, Rah96, RR03, RS90, RSB19, RTZ+96, RO44, RA+08, RS97, RS06, RCW07, SGG+04, Sar03, Sat10, SL97a, SL97b, ST06, SWW99, SM97, SHM08, SH07, SKT94, Sin95, SKP95, SP97, Sta95b, SB96, ST02, SK04, Sud04, Syl03, Tak14, TS16, TCD17, Tau03a, Tau04, TCW08, TC90, TG08, TD09, VOD08, WK18, WJY06, WL96, WY05, WY07a, WLL+07, WFC08, WCZ+20, WHG94, WJGHG96a, WHG96a, WJGHG96b, WHG96b, WSWL95, XWT09, YRGS13, yWbWL08, YR98, YB97, YBZL03, YBZ04, Yin06, YRK+11, YBN12, YB12, YBNY13, iYMK02, YA018, YSM05, ZCG00, ZT07, ZSHS10, ZHPS11, ZB14, ZX19, ZCL+98, ZKL+07, ZGD+16, ZB95, AAB+17, Boy92b, CD13, CB14, CKE08, CFR10, DDL13, EMT99, FL13, GR97, GS98a, Lea92, LCP93, RGKM12, SL91, SLCL98a, SLCL98b, YTK14]. Fast-multipole [Dar97, EG01, Tak14, ZCL+98], FCCM [PA02]. FE [SG+04], February [B+95]. FEM [MB05]. ferrofluids [HM19]. FFT [TPK92]. FFTM [HLL08, LHL08, OLL04]. fiber [WY07a]. fiber-reinforced [WY07a]. Field [LSCM96, PA02, AB04, BHG04, BHG05, HW11, MD98, OKS09, WFC08, Xue98]. Field-Programmable [PA02]. Fields [CD13, CK95b, Gre87, SHMC97, SM97, SB98, YR99, CK95a, CG97, DC07, ESM98, GG16, Gre88, GR88a, GM94, GH98, HR98, OLLL03, Pe98, ST06, SM97, VOD08]. Fifth [An092, IEE96b, MC92, IEE98]. filtering [BP03, YR98]. fine [Bar86]. fine-grain [Bar86]. Finite [FST05, L96b, L96a, Beb06, Ich02, LS05, LCZ07, SGG+04, Sa10, V92]. Finite-Element [L96b]. finite-sized [Sat10]. First [OKF14, AHP93]. First-Principles [OKF14]. FISC [SLCL98a, SLCL98b]. Fitted [AC94]. fitting [BS19, LBGS16, TWY06]. Flexibly [YS18]. floating [LKM02]. floating-point [LKM02]. Flow [P944, ECL02, Gre90a, GKM96, G94, NMDK99, Tau03a]. Flows [CCG+99, WSW+95, BHC93, Kro99, Kro01, Kro02]. Fluid [SWW94, TBBE11, Bat03, OMH+94, VGZ90, WSWL95]. fluids [A17, BPK85, L979, ZB14]. FYL [B01, BCD96]. FM [BN07]. FM-BEM [BN07]. FMA [LO96b]. FMFEM [CW08]. FMD [LWM+02]. FMM [CCG+06a, EMV92, H900, HJZ90, HZ+18, MR14, ON08a, ON08b, ON99b, PG96b, SG+04, SB98, YS18, ZHP10]. Fock [KA96, WJGHG96a, KAN95]. Fokker [Lem98, Lem04]. Force [D02, BH86, EIM+92, JP89, KK16, Xue98, YRG13]. force-calculation [BH86]. Forces [BP88, CDM98, NT96, Pie93].
WZC+17, BH03, CKS91, DM90, LDB96].

Form [CJ05, AP99, BCP08, SH07].

Formation [FM96, FM95, SWJ+05]. forms [KSC99, Rah96, Rok98]. Formula [CL12].

formulae [NN12]. Formulation [AAL+01, JBL02, CB14, CWK08, CCKL09, CFR08, CFR10, DM07, GD07b, Liu08, OSM06a, DM12]. Formulations [Ano94b, GKS94, MG11, EG09a, GKS98].

Fortran [GDK89]. Foundations [IEE92a]. four [BCR01]. four-dimensional [BCR01].

Fourier [Boy92b, EMT99, Boy92a, CD13, DR95, EB94, EB96, HLL08, HW10, LHL08, OLL03, OLL04, Sar03, ZHZPS11].

Fourier-Based [CD13]. Fourier-series-based [ZHPS11]. FPGAs [LKM02]. Fractal [PD15]. Fractional [WHG96a]. fracturing [XWY+08, ZBG915].

Foundations [IEE92a]. four [BCR01]. four-dimensional [BCR01].

Fourier [Boy92b, EMT99, Boy92a, CD13, DR95, EB94, EB96, HLL08, HW10, LHL08, OLL03, OLL04, Sar03, ZHZPS11].

Fourier-Based [CD13]. Fourier-series-based [ZHPS11]. FPGAs [LKM02]. Fractal [PD15]. Fractional [WHG96a]. fracturing [XWY+08, ZBG915].

Foundations [IEE92a]. four [BCR01]. four-dimensional [BCR01].

Fourier [Boy92b, EMT99, Boy92a, CD13, DR95, EB94, EB96, HLL08, HW10, LHL08, OLL03, OLL04, Sar03, ZHZPS11].

Fourier-Based [CD13]. Fourier-series-based [ZHPS11]. FPGAs [LKM02]. Fractal [PD15]. Fractional [WHG96a]. fracturing [XWY+08, ZBG915].

Foundations [IEE92a]. four [BCR01]. four-dimensional [BCR01].

Fourier [Boy92b, EMT99, Boy92a, CD13, DR95, EB94, EB96, HLL08, HW10, LHL08, OLL03, OLL04, Sar03, ZHZPS11].

Fourier-Based [CD13]. Fourier-series-based [ZHPS11]. FPGAs [LKM02]. Fractal [PD15]. Fractional [WHG96a]. fracturing [XWY+08, ZBG915].

Foundations [IEE92a]. four [BCR01]. four-dimensional [BCR01].

Fourier [Boy92b, EMT99, Boy92a, CD13, DR95, EB94, EB96, HLL08, HW10, LHL08, OLL03, OLL04, Sar03, ZHZPS11].

Fourier-Based [CD13]. Fourier-series-based [ZHPS11]. FPGAs [LKM02]. Fractal [PD15]. Fractional [WHG96a]. fracturing [XWY+08, ZBG915].

Foundations [IEE92a]. four [BCR01]. four-dimensional [BCR01].

Fourier [Boy92b, EMT99, Boy92a, CD13, DR95, EB94, EB96, HLL08, HW10, LHL08, OLL03, OLL04, Sar03, ZHZPS11].

Fourier-Based [CD13]. Fourier-series-based [ZHPS11]. FPGAs [LKM02]. Fractal [PD15]. Fractional [WHG96a]. fracturing [XWY+08, ZBG915].

Foundations [IEE92a]. four [BCR01]. four-dimensional [BCR01].

Fourier [Boy92b, EMT99, Boy92a, CD13, DR95, EB94, EB96, HLL08, HW10, LHL08, OLL03, OLL04, Sar03, ZHZPS11].

Fourier-Based [CD13]. Fourier-series-based [ZHPS11]. FPGAs [LKM02]. Fractal [PD15]. Fractional [WHG96a]. fracturing [XWY+08, ZBG915].

Foundations [IEE92a]. four [BCR01]. four-dimensional [BCR01].

Fourier [Boy92b, EMT99, Boy92a, CD13, DR95, EB94, EB96, HLL08, HW10, LHL08, OLL03, OLL04, Sar03, ZHZPS11].

Fourier-Based [CD13]. Fourier-series-based [ZHPS11]. FPGAs [LKM02]. Fractal [PD15]. Fractional [WHG96a]. fracturing [XWY+08, ZBG915].

Foundations [IEE92a]. four [BCR01]. four-dimensional [BCR01].

Fourier [Boy92b, EMT99, Boy92a, CD13, DR95, EB94, EB96, HLL08, HW10, LHL08, OLL03, OLL04, Sar03, ZHZPS11].

Fourier-Based [CD13]. Fourier-series-based [ZHPS11]. FPGAs [LKM02]. Fractal [PD15]. Fractional [WHG96a]. fracturing [XWY+08, ZBG915].

Foundations [IEE92a]. four [BCR01]. four-dimensional [BCR01].

Fourier [Boy92b, EMT99, Boy92a, CD13, DR95, EB94, EB96, HLL08, HW10, LHL08, OLL03, OLL04, Sar03, ZHZPS11].

Fourier-Based [CD13]. Fourier-series-based [ZHPS11]. FPGAs [LKM02]. Fractal [PD15]. Fractional [WHG96a]. fracturing [XWY+08, ZBG915].

Foundations [IEE92a]. four [BCR01]. four-dimensional [BCR01].
half-space [BSL09, CB14, GG16]. Halos [ZQSW94]. Hamiltonian [CDF10].
Hanover [Mak93]. Hardware [HYZ+18, ATM03]. Harmonic [CAJ09, GD07b, GDZ10]. harmonics [PJY96, ST02, WL96, YR98]. HARP [KMT94]. HARP-1 [KMT94]. Hartree [KAN96, WJGHG96a, KAN95]. Hashed [WS93]. Haskell [TL14]. head [GODZ10, KMC09]. head-related [GODZ10, KMC09]. heavy [RTZ+96]. heavy-ion [RTZ+96]. Held [HTA+97, HM86, AG88, Ano97b, K+96, Rod89]. Helmholtz [AP03, BKM90, CD13, CC15, CHLO96, CCG96a, CCG96b, CC10, CC12, DDL13, Dar02, GHRW98, GD03, GD09, GAD13, GS98b, NN12, Nil04, OLL04, ON08a, QCG15, RS97, Rok98, Sta95b, Sta95a, TCD17, VV02, WC02, WCZ20]. Hermite [KMT94, NMH06]. Heterogeneous [ADB94, HGD11, LCL12]. Hierarchical [Ahlu94, AGPS98, BH86, BJWS96, BHH88, Deh02, Dem95, Dem96a, Dem96b, H95, HJ6, SHG95, SHT+95, EG09b, HNY+99, HSA91, JP89, MG05, PG94, Sin92, VCM00, Wam99, WS92, Xue98, YGSR01]. hierarchical-element [VC000]. High [ACM97, BGF99, BKE96, CBF08, CFR10, FHM99, GBMN06, HL15, Ho12, HYZ+18, IEE94b, IEE96b, IE98, LCK11, Nil04, TWY06, WWF02, DC07, GH08, GY08, IYK16]. High-Density [WWF02]. High-frequency [BK96]. High-order [TWY06, DC07, GH08]. High-Performance [FHM99, IE94b, IYK16]. Higher [PNB94, RRR05]. Highly [BS97, OME92, YBNY13, ZH19]. Hilton [IE90]. holes [MFK00]. homogeneous [CL91, YRGS13]. homogenisation [HN96]. host [SHM98]. Hotel [IE97]. Hub [HL15]. Hut [AA1+01, Ano94b, BJWS96, BGLM05, GKS94, GKS98, SHT+95, WSH+12, ZBS11, ZBS15]. Hybrid [HEGH14, JMC97, WN14, DKPH04, LZL04, LC93, OFH+08, SGG+04]. hydraulic [RSBS19]. hydrodynamics [GCH+18]. Hyglac [WSB+97]. hyper [DHM03]. hyper-systolic [DHM03]. Hyperm.[BME93, BM94, BME90, DK93]. hypercubes [SS89].

Integral

Integration

Invert

Inversion

Intercommunication

Interconnecting

Interconnection

Interconnectivity

Interconnected

Interconnections

Interdependent

Interdependence

Interdependent

Interrelated

Interrelated

Intersection

Intersections

Intersecting

Intersecting

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[GROZ04]. Learning [RGKM12, HHKP09].
Leave [Wil00]. Legendre [AR91, Sud04].
leining [Wam99]. Less [WN14]. LET [HL15].
Letters [MBS+00]. Level [BK15, Cj05, AP03, DKG92a, LCQF18].
library [BSvdG+94, CKB11, TYNO12].
limited [BDS07]. Line [YR99].
Linear [CPD17, Goe99, PIE93, Pud16, WJGHG96b, BH03, BGGC06, KLM+09, OSW05, SSF96].
lines [JH08]. link [GDK89]. Linux [WGL+98].
Liquid [MPPA96]. Liquids [AT87, CKS91].
lithography [YB97]. Load [SHT+95, Ten98, BAAD+97, FG96, MG05, PGs+15].
Loading [HL15].
Local [RGKM12, CFR08, MCBB07, YS18].
Locality [SHT+95]. locally [GH98].
Loeve [ST06]. logarithmic [JP89].
Logical [Bor86]. Loki [WSB+97].
London [DKG92a]. Long [Pie93, AO10, BAL91, BPK85, Ess95].
Long-Range [Pie93, Ess95]. lossy [GSC01].
Low [GHRW98, DH04a, QCG15, TSIM16].
low-communication [TPKP12]. low-frequence [DH04a, TSIM16].
LSS [BCAD06]. Luther [ACM99].
M [PG96b]. M2L [TSIM16]. machine [HHKP09, BME90, WS91, ZJ91].
Machines [PA02, BCOY93, KP05b, LBC91, Mak93].
Macromolecular [LCE+06, Ske89]. macromolecules [BH03, FLZB97a, FLZB97b]. macroscopic [LDB96].
Madras [IEE98]. Magnetic [Gus98]. magneto [VOD08].
magneto-static [VOD08]. magnetorheological [LR+99].
magnetostatic [BHRG05].
malignant [ES04]. Many [HP95, PG96a, Pie93, App85, EIM+92, EFT+93, HFKM98, OME+92, SC+90].
Many-Body [HP95, Pie93, PG96a, App85, EIM+92, EFT+93, HFKM98, OME+92, SC+90].
map [GGM93]. MAPLE [McD97, Pie93]. Mapping [BT03, LB92a]. mappings [OR99]. March [Ano95b, Ano96, Ano97a, Fu97, HTA+97].
Martin [ACM99]. Maryland [IEE96a].
Massachusetts [K+96]. Massively [BP88, IFM09, JBO1, KP05b, LO96a, LPC93, MFKN03, LCL+12, LBI+97, MH07, SRK+12, TME94, WSH+12].
Massively-Parallel [MFKN03, MHI07]. matched [GROZ04, GKD09].
matters [GM94, NKV94, K+96]. Matérn [CWA14].
Mathematical [BCM02, CHIN03, Dar97].
Mathematics [BGPW00, HDG+15, Ano90, RSS96, dCGQS06]. Matrices [Pan92, CG04, Dac06, XTH09].
Matrix [PNB94, SP01, Car06, FG96, XWT09]. matrix-free [Car06]. matrix-vector [XWT09].
Material [ZQS94, FRE+08].
Maxwell [DH04b, DY98, GBMN06, GD07b, Hav03, ON08b, ON09a, ON09b, ZCO0].
May [AG88, IEE94b]. MD [IEE02, DK93].
means [MG05]. mechanical [SWW90].
mechanical [SGD+04, WY05, WY07a].
mechanical-electrostatic [SGD+04]. mechanics [BCM02, Bat03, hYtWbWL08].
Media [GA96a, GA96b, GROZ04, WCZ+20].
medium [ZCL+98]. MEG [KCF+05].
MEG/EEG [KCF+05]. Memory [MB16, YBO1, BCOY93, DK93, KP05b, LBC91, LMCP92, MMC99, RC97, Ske89].
MEMS [SGD+04]. Mesh [BOX00, DYP94, DKHP04, KM00]. meshes [HKS05, ZBG15]. meshessless [BLA05, YNS+09]. Message [KP08].
Message-passing [KP08]. metamaterials [OMC08]. Method [WWF02].
SC94, SC95, Sta95a, SP01, WC94a, WZC+17, Yin15, ZJ91, AGR88a, AGR88b, AP00, AP03, Ami00, ATMK03, BDMN03a, BDMN03b, BSL09, BS19, BC94, BWS+95, BV96a, BL08, BOH03, BHR04, BHGR05, BSSF96a, BSSF96b, BK96, CDJ07, CL91, CC04, CC05, Car09, CWHG97, CDF10, CC97, CWK08, CCKL09, CCG+06b, CRG01, CFP93, CRW93, CFR08, CB09, Dac06, Dac09, Dac10, DY93, Dar02, DM07, DM12, Dar97, Dar00a, method [Dar00b, DH04a, DH04b, DC07, DRS96, DKG92a, DKG92c, ESRS01, ECL02, FGM11, FOCB06, FLZB07a, FLZB97b, FD09, Fuj98, FMI+93, GDDC08, GSC01, Gib08, GR02, GG16, GROZ04, GKS98, GKS99, GKS90, GH02, GP08, GCH+18, GD05, GD06, GD09, GODZ10, Ham11, HM95, Hav03, HC10, HW10, HW11, HU97, HU09, HLL+18, Ich02, JH08, JC04, Kan15, KM00, KSS10, KS11, KLM+09, KMC09, Kro01, KS98b, KS04, KP05b, KN95, KCF+05, Lab98, LCL+12, LBGS16, LJ98, LCQF18, LGG+13, LHL08, LC14, Lin08, Lin09, LCZ07, LCM07, MI95, Mako99, MB05, MR07, MI08, MRH14, MMBN06, NT94, NH97, OSW05, OSW06a, Of08, OKS09, OCK+03, OK+14, OMC08, OFH+08, OP07, ON09a, PN95, PSS94, PSS95, PSS95, PG96b, PA14, QCCG15, RR03, RSBS19, RO04, RTA+08, RS97]. method [RS06, SGG+04, SF18, Sat10, SL97a, SL97b, SM97, SH07, Sin95, SKPP95, SP97, Sta95b, SK04, Sud04, Syl03, Tak14, TSIM16, TCD17, Tsd03b, Tsd04, TG08, VW02, VD08, VGZB09, VCMO0, WY05, WY07a, WFC08, WCG+12, WH94, WHG96a, WJG296b, WHG96b, WSL95, XJ08, YR98, YBZL03, YB12, YBNY13, iYKN02, YAO18, YSM05, ZT07, ZHPS10, ZHPS11, ZB14, ZKL+07, ZGD+16, ZB95, AAB+17, CD13, CKE08, CC10, CC12, CFR10, DDL13, FL13, GR97, LCP93, RGKM12, SL91, YTKL14, Gav11]. Method-Ecient [NT96]. Methods [Aar85, Alu94, AG88, BS93, BS97, BR93, DY98, Dem95, Dem96a, Dem96b, FQG+92, GHRW98, GW98, HEGH14, JH96, LRW95, MBA97, SRPD06, SHG95, SHT+95, TDTEE11, VTG91, WSW+95, YF05, A+97, BL05, BHC93, BL97, BG97, BN98, BCR01, BM00, BDS07, Car07, CB02, CML+97, CWD08, CK00, Eng11, Gas97, GBM06, GY08, GCG+99, Goe99, GE13, GKM96, GK04, GD08, HS95, HGD11, IK16, Kro99, Kro90, KP05a, KP08, LS05, LOSZ07a, LOSZ07b, LOG12, Lin95, LX17, LY14, MC92, NN12, OSW06b, OF07, Oku96, PJY96, PG96a, RS94, ST06, SKT94, SM05, Sin92, SB96, TD09, YGSR01, aYZ97, YNS+09, YBNY12, ZX19, MC92]. microlithography [Ful97]. microlocal [BDMN03a, BDMN03b, Dar02, GBMN06]. micromagnetic [VOD08]. microprocessors [NMM06, MSV92]. Microscopic [HB93]. Microstrip [MI96, MI95, ZCL+98]. Microwave [Ano95a, ZC00]. militaires [Ano97b]. military [Ano97b]. million [DKG92a, DKG92c]. million-atom [DKG92c]. MIMD [FQG+92, LB92a]. mine [ESRS01]. Minimal [BF78]. Minimization [OC05]. Minneapolis [HTA+97, IE92b]. Minnesota [IE92b]. MLFMA [SLC96]. MN [HTA+97]. mode [Sat10]. model [CAJ09, ES04, FG96, Ham11, IY16, KP08, TD09]. modeling [BCM02, NMDK99, NKV94, ZKL+07]. Models [AC94, HB93, PN95, SGG+04]. modern [NMM06, SF18]. Modification [SB98]. Modified [Bar90, BAG00, CHL06, LCQF18]. module [DK93]. Molecular [AC94, BGGT90, BAL91, BHGS90, BP88, CDCD97, Gus98, HGS90, LBC91, LBI+97, LMCPP92, MPPA96, OKF14, WLMP99, WS91, ATMK03, BSL11, BS19, BWS+95, BSS97, BCL+92, BHE+94, BHER94, BCOY93, BCOY94, BP93, CwHMS94, DK93,
Multipole [PSPS94, PSPS95, PSS95, PA14, QCG15, Rah96, RSZ09, RSBS19, RTZ96, RO04, RTA08, RS97, RS06, RCWY07, SGG04, SF18, Sar03, Sat10, SL97a, ST06, SWW99, SM97, SHM98, SKT94, Sin95, SKPP95, SP97, Sta95b, SB96, SK04, Sud04, STZ14, Syl03, Tak14, TSM16, TCD17, Tau03b, Tau04, TCW08, TC09, TG08, TD09, VOD08, WJYO06, WL96, WYYW05, WY05, WY07b, WY07a, WLL+07, WXQL08, WCZ+20, WHG94, WJGHG96a, WHG96a, WJGHG96b, WHG96b, XWW+08, XJM08, YS18, YRGS13, hYtWbWL08, YR98, YB97, YBZL03, YBZ04, Yin06, YNS+09, YBK+11, YBYN12, YB12, YBNY13, iYNK02, YAO18, YSM05, ZCG00, ZT07, ZHPS10, ZHPS11, ZX19, ZCL+98, ZY05, ZKL+07, ZGD+16, ZB95, ZD05, CB14]. multipole-accelerated [BHE+94, BHER94, ZD95].

Multipole-Based [GSS98a, GSS00, YB01, LDB96].
multipole-to-local [CFR08, YS18].

Multipoles [And92, ÁC94, GSS98b, HLL08, LHL08, Mak99, OLL03, OLL04].

Multiprocessor [SHG95, LMCPFP92, Sin92, Ske89].

Multiprocessors [BB87, H959].
multiquadrics [CBN02]. Multiresolution [NKV94]. Multiscale [ERT12, TW03].

Multithreaded [ZBS15]. Multivariable [BL05]. multiwavelet [FBHJ04].

Napa [PA02]. natural [AO10]. Near [Bor86, CAJ09, ON09a, Rei99]. near-rigid [CAJ09]. Nearest [CK95b]. Neighbor [Bor86]. Neighbors [CK95b].


New-version-fast-multipole-method [LCM07]. Newport [IEE95]. News [Kan15].

NH [Mak93]. no [BEM94]. Node [BK15, FRE+08]. Node-Level [BK15]. Non [BB87, BCP08, DR95]. non-equispaced [DR95].

non-standard [BCP08]. Non-Uniform [BB87]. nonbond [DKG92a].

nonbonded [ATMK03]. nonequispaced [PSN04]. nonlinear [CAJ09]. nonlinearly [CC13].

nonoscillatory [GR02]. nonplanar [YB97]. nonsmooth [Beb06]. normal [GG16].

Nose [BVW96]. Notre [IEE96c].

November [ACM96, ACM97, ACM99, ACM03, Hol12, IEE90, IEE92b, IEE93, IEE94c, IE02, K+96, LCK11].

nuclear [PGB05]. number [DKS89, Ich02].

numbers [JdR+18, WYYW05]. numerica [Ise97].

Numerical [CL91, GZK07, Kro02, Pri94, TDREE11, dCGQS06, Atk97, BCM02, BCH93, CD10, CG97, CHJN03, Dar00b, GCG+99, Gre90b, GM94, GH98, KSC99, Kro01, OR98, PRT92, RSS96, TYNO12, Wam99, ERT12].

O [Mak93]. Object [BT95, SHMC97, ERS01, SM97, SHM98].

Objects [BVW96, BV96b, SLC96, SLC97, BV96a, EG09a, Erg97, TC90]. Oblique [SM97, CCKL09]. obstacles [Mak93]. Oct [WS93].

Oct-Tree [WS93]. October [Ano97b, MB93, IEE92a]. Off [HL15, DH86].

Off-Loading [HL15]. One [Ano94a, MTES94, WWF02, FRE+08, HM95, MR07, SK04, YR98].

one-dimensional [SK04, YR98].

One-Tflops [Ano94a, MTES94]. onto [Boy92a, LB92a]. open [CKB11]. Opening [And08].

OpenMP [AAB+17]. operator [CFR08, Lem98, Lem04, YS18]. Operators [CAJ05, Beb06, CS82, ESM98, FBHJ04, Rah96, Rok98, TW03]. OPFMM [CRG01].
Planck [Lem98, Lem04]. Planetary [GKM96, MD98]. Planetaryesimals [MKFD02]. Plasma [AGR88b, JKCGJ08, PG94]. Plasmon [GIS98]. Plasmonic [ATR+12]. Platform [BADO1], platforms [IYK16]. Plus [CG04]. PMD [Win95]. Point [CK95b, LKM02, Rei99]. Points [STZ14]. Poisson [AC17, BH03, EG01, GL96, LJ98, LCHM10, LCHM13, MGM95, Mi08, R SZ09, VTC91]. Polar [BPK85]. Polarisable [HHKP09]. Polarizability [PNB94]. Polyelectrolyte [FOCB96]. Polygons [BT03]. Polyharmonic [BL97, BCR01, BPT07]. Polymers [BCOY94]. Polynomial [DGR96, PRT92, Rei99]. Polynomials [Pan92]. Polytechnic [BR93]. Porous [RSBS19]. Portable [BK15, BS97, OCK+03, WS95b, WS95a]. Portland [ACM99, IEE93]. posed [HM95]. posteriori [XTH09]. Potential [CK95b, Gre87, Grev90a, HA17, SPS96, YR99, CK95a, GB11, Gre88, GR88a, GD07b, HHKP09, HF92, HR98, LCFQ18, Mi08, OLLL03, PA14, Rok85, Tau03a, WXQL08]. Potentials [Cj05, MB16, McK96, Pie93, DM90, LDB96, SH07]. power [PRT92]. PPPM [YF05, ZB14]. Practical [BN97, Pan95, CAJ09, Mak93]. practice [CK00]. Prager [GCH+18, LGG+13]. pragmatic [SB96]. Precise [Ami00]. pre-conditioned [BGGC06, GD07a]. Preconditioner [CDGS03, CDGS05, CPD17, Car06, DDL13, Of08, TCD17]. Preconditioners [MG11, ABD04, Car09]. Preconditioning [NN12, Beb06, FP05, LZL04, MG07, MG09, RCWY07]. predictor [TWYC06]. predictor-corrector [TWYC06]. preeminent [YB12]. preprocessing [SK04]. Prescription [GS98b, CRW93], presented [Ano97b]. Pressure [YAO18, YRG13]. Price [WSB+97]. Price/performance [WSB+97]. Princeton [HM86, HDG+15]. Principles [OKF14]. Pro [WSB+97]. Problem [APG94, AGPS98, Ano94a, Ano94c, Dem95, Dem96a, Dem96b, HTG02, MTE94, Yin15, CCKL09, DH86, DMI03, Gre90b, IHH05, Kat89, KS98a, Mi08, Pud16, SSF96, TL14, WXQL08]. Problems [BB87, EMR92, GA96b, KK95, LJ96b, LJ96a, MG11, MBS15, SWW94, SG97, WZC+17, AP90, AD05, ATR+12, BSLO9, Bes90, BCP08, BHGR04, BHGR05, BGGC06, CC04, CC05, Car90, EG08, EG09a, Erg11, FST05, Fuji98, GDDC08, GLS06, HM95, HNO06, HU97, JH08, Lab98, LCFQ18, Lin95, Liu08, MIES90, Oku96, ON04a, ON05b, ON09b, Rah96, RSBS19, RO04, SCM+90, TWYC06, WJY06, WY97b, WSWL95, XYW+08, XJM08, iYNK02, ZY05]. Proceedings [ACM96, ACM97, AG88, ERT12, Hol12, HM86, IEE02, Kar95, LCK11, Rod89, Ano92, Ano95a, IEE92a, IEHE98, KK88, PA02, We91, B+95, BGGC06, BB87, BHGR04, BHGR05, BGGC06, CC04, CC05, Car90, EG08, EG09a, Erg11, FST05, Fuji98, GDDC08, GLS06, HM95, HNO06, HU97, JH08, Lab98, LCFQ18, Lin95, Liu08, MIES90, Oku96, ON04a, ON05b, ON09b, Rah96, RSBS19, RO04, SCM+90, TWYC06, WJY06, WY97b, WSWL95, XYW+08, XJM08, iYNK02, ZY05]. processes [Sal96]. Processing [B+95, HTA+97, BCOY94, Rod89]. Processor [WWF02, FL13, MHI07]. processors [GD08]. produced [Kon93]. products [And08]. Professor [Wil00]. Program [CDCD97, YB01, App85, LBB+97, WS95b, Win95]. Programmable [PA02, HFKM98]. programming [MRH14]. Programs [BGL05, RC97]. PROGRAPE [HF9M98]. PROGRAPE-1 [HF9M98]. Progress [Ano95b, Ano96, Ano97a]. Prolate [KLZ+06]. Propagation [Ano97b, IE94a, IE95, IE96a, IE97, WC94a, WC94b, CHJN03, GLS06]. propagator [ZB95]. properties [WY05, WY07a]. Protein [NT96, Kan15, KSS10, KS11, NT94]. protein-protein [KSS10]. proteins [ZB95]. protonatable [Kan15]. Provably [Ten98].
pseudo [CKS91, OFH$^0$].
pseudo-pairwise [CKS91].
pseudo-spectral [OFH$^0$].
pseudoparticle [Mak99]. Pseudospectral [Boy92b, KLZ$^0$]. Purpose [Ano94a, BGGT90, CKE08, FM96, FHM99, KFMN03, MITE94, MT98, MFKN03, EIM$^+$92, EFT$^+$93, FM$^+$93, FM95, HFKM98, KMT94, MIES90, MT95, OHM$^+$94, OME$^+$92, SCM$^+$90, TMES94].

Quadrature [WK18]. Quantum [SPS96, KLM$^+$09, SSF96]. quartic [WHG96b]. quasars [SWJ$^+$05]. Queen [IEE97].

Radar [Gue97, Ano97b, Ano97b]. Radial [Buh03, BLAG05, BL97, BN98, BCR01, CBN02, GD07a, PSN04, Yin06]. Radial [Buh03, BLAG05, BL97, BN98, BCR01, CBN02, GD07a, PSN04, Yin06]. Radiosity [SHT$^+$95, HAS90, MMB06].

Radome [BVW96]. random [CG97, ESR01, ST06]. Range [Pie93, AO10, BAL91, BDS07, BP93, Ess95, KMC09]. range-limited [BDS07]. ranged [BP95]. rank [HW11]. Rapid [Gre87, KLZ$^+$06, Rok85, Rok90, BH03, EGH19, Gre88, GR88, HAS91, PJ19]. Ray [WC94a, WC94b]. Ray-Propagation [WC94a]. RCS [BVW96, BV96b, BV96a, Gue97, RCW04].

reacting [NMDK99]. reaction [DC07]. ready [BAD01]. real [MKF01, SH07]. realistic [NKV94]. Recurrence [CSA95].


regularization [JP89]. reinforced [WY05, WY07a]. related [Ano90, BCH93, GCG$^+$99, GODZ10, KMC09, ON08b].


Resource [HZH$^+$18]. review [Ano95b, Ano96, Ano97a, GAV11]. reviews [Les96]. Revision [CC12, ZHPS10].

Revisiting [KS04]. Rigid [BT95, JBL02, CAJ09, HNO06, ZBG15]. rigid-inclusion [HNO06]. rigorous [SKPP95]. Ring [BHGS90]. Rockefeller [IEE90]. Rohlin [HM95, HSO8, SB98].

Rome [MBA97]. Root [GGM01]. Rotating [WHG96b]. Rotation [GD03, Dac06]. Rotne [GCH$^+$18, LGG$^+$13]. Rough [JMC97, JMB98, ESR01, JMC98].


SAI [MG09]. Salt [Hol12]. sampling [LX17]. San [ACM97, B$^+$95, Kar95]. Santa [Ful97]. Savart [Ros06]. SC$^+$11 [LCK11].


Scalability [RS97]. Scalable [Ano94b, BHE$^+$94, BHER94, GKS94, GKS98, HAS02, HGD11, IEE94b, MSV92, OCK$^+$03, OKF14, YB12]. scalar [GD07b, KSC99]. Scale [BADG00, OKF14, SRPD06, WLMP99, ZQSFW94, Ang17, ATR$^+$12, EG08, Erg11, EG13, FLZB97a, FLZB97b, GF06b, GF06a, HMM19, KP08, LCQF18, LCZ07, LMM$^+$02, PN95, WY05, WY07a, WSH$^+$12, XWY$^+$08].

Scaling [CDD07, FRE$^+$08, YBNY12, Goe99, KLM$^+$09, SSF96, WJGH96b].

Scatterers [HOST95]. Scattering [BVW96, EMRV92, GA96a, GA96b, HAS02, JMC97, JMBC98, LJ96b, LJ96a, SHMC97, SMC97, SLC97, ZCG00, AP99, AP00, AD05, BN07, BGGC06, CC04, CC05, Car09, Car09].
GSC01, GG16, HM95, HS95, SRK$^+$12].

space-time [SRK$^+$12]. Space/time [YF98].

Space/time-efficient [YF98]. Spaces [BF78]. Spanning [BF78]. Sparse [GOS99, LZL04, Rok98, Tau03a, LOSZ07a, MG09, RŠZ09, TW03].

sparse-approximate-inverse [MG09].

Special [Ano94a, BGGT90, CKE08, FM96, FHM99, KFMT00, MTES94, MT98, MFKN03, EIM$^+$92, EFT$^+$93, FMI$^+$93, FM95, HFKM98, KMT94, MIES90, MT95, OMH$^+$94, OME$^+$92, SCM$^+$90, TMES94, MC92].

Special-Purpose [Ano94a, CKE08, FM96, FHM99, KFMT00, MTES94, MT98, MFKN03, FM95, HFKM98, KMT94, MIES90, MT95, OMH$^+$94, OME$^+$92, SCM$^+$90, TMES94].

spectra [ES04]. Spectral [RCWY07, OFH$^+$08, PN95]. speeding [AO10].

sphere [BP03, CDJ07, DC07, Lin95]. spherical [GD05], spherical [GODZ10, KSC99, PJY96, ST02, YR98].

Spline [CS98b, DKG92b]. Splines [CS98a, BL07, BCR01, BPT07]. Square [GGM01]. Stability [Ni04, Sn04]. stable [DH04b]. standard [BCP08]. static [VOD08]. Station [ERT12]. statistical [Kan15]. Steepest [JMC97, JMBC98, ERSR01].

steepest-descent [ESR01]. Stellar [HM86]. Step [BS93, FLZB97a, FLZB97b, KMO00, RCWY07]. stepping [BS97].

stochastic [FST05, Sal96]. Stokes [GKM96, GK04, TG08, WLL$^+$07]. Stokesian [Ich02]. Storage [Hol12, LCK11].

Strategy [BB87, BCOY93, EG09b]. stratified [ZCL$^+$98]. Stress [BS19, GG16].

Strips [GA96a]. strong [Kan15].

Structural [BPK85]. Structure [BADG00, NT96, ZQSW94, GF06b, GF06a, Goe99, Kat89, KS98a, NT94]. Structures [And99, CSMCxx, GGM01, MI96, RW94, WPM$^+$02, Car09, CWK08, EG13, LCZ07, WS92, ZCL$^+$98, ZY05]. studies [RTZ$^+$96].

Study [BGLM05, HM86, Pri94, Dar97]. studying [Kro01]. sub [LCZ07].

sub-entire-domain [LCZ07]. Subdivision [BT95]. Summation [CWA14, LS93, Ami00, BAL91, IHH05, SF18, ZB14]. Summer [RSS96].

Sums [DNS90, BG94, DYP93, KS04, RO04, SL97b]. Sunnyvale [Wel91]. Supercomputers [FQG$^+$92, HM86, BAD01].

Supercomputing [ACM96, Ano92, IEE90, IEE92b, IEE93, IEE94c, Kar95, Ano92, KK88]. Surface [MG11, CCZ97, ERSR01, ZBG15]. Surfaces [CSMCxx, HAS02, JMC97, JMBC98, GH08, JMBM98]. Surfaces-Wire [CSMCxx].

suspended [VGZB09]. switch [SGD$^+$04]. Switching [HL15]. Symbolic [Pie93].

symmetric [CG04, OSW06a]. Symposium [Ano97b, HB93, IEE92a, IEE95, IEE96a, IEE96b, IEE97, PA02, K$^+$96, Mak93]. Syracuse [IEE96b]. System [BGI$^+$99, RGKM12, BAAD$^+$97, TMES94, ZB95, HTG02].

Systems [AAB$^+$17, CPD17, GP93, Gre87, HEGH14, MT98, VTG91, YF05, AB95, BS19, BWS$^+$95, BGGC06, CL91, CDF10, CFH89, DYP93, DKG92c, EIM$^+$92, EFT$^+$93, Gre88, Ich02, KS98a, KS98b, KN95, LM02, LBGS16, LB92a, LBI$^+$97, LCM07, LCHM10, LCHM13, PGB05, PG96b, TYON12, YB12, ZB95].

Systolic [BHGS90, DHM03].

T3D [BAAD$^+$97]. tails [ADG96].

tangential [GH08]. Target [SB98, GSC01]. targets [Ano97b]. Task [AAB$^+$17].

Task-Based [AAB$^+$17]. Taylor [WCZ$^+$20].

tearing [LS05, LOSZ07a, LOSZ07b, OSW06b].

Technique [WCZ$^+$17, Gas97, KLM$^+$09].

Techniques [CDGS03, CDGS05, PRT92, SWW99].
Telescoping [LRW95]. Template [BGLM05]. Tennessee [EE94b]. tensor [BS19, CB14, CSA95, GCH+18, HC08, HLL+18, LGG+13, YAO18]. Tensors [PNB94]. Terabytes [EE02]. TeraFLOPS [TMES94]. Term [DNS90]. terms [JP89].

test [AB95]. Tflops [AN94a, HNY+09, N10, MTE94, MKF00, MKF01, MKF02]. theorem [KSC99, Lab98]. theorems [HC98].

Theoretical [CC15]. theory [AP99, BS19, Buch03, CK00, GD07b, K+96, LBGS16, Pe98, Rok85, Rok90, Tan93].


Thousands [BT03]. Three [CS98a, JMC98, LO96a, Nil04, Pie93, Pri94, SL91, SC95, WSW95, YB97, BSL90, BPT07, CK08, CGR99, CCG+96b, ESR90, ES04, ESM98, GR88a, GR97, GH02, GD06, GD09, LCQF18, MCB07, OLL03, PSS95, SL97a, Tak14, TSIM16, TC09, TG08, WSL95, YBZ04].

Three-Body [Pie93]. Three-Dimensional [JMB98, Pri94, WSW95, YB97, BSL90, CK08, ESR90, ES04, ESM98, LCQF18, OLL03, PSS95, Tak14, TC09, TG08, WSL95]. tiers [WHG96a]. Time [BS93, MD08, BSS97, FLZ97, FLZ97b, GD07b, KM00, OFH+98, RC97, SR+12, VW02, Xue98].

Time-dependent [MD98]. time-domain [VW02]. time-efficient [YF98]. time-harmonic [GD07b].

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