Title word cross-reference

\( (1 + 1) \) [SP18a]. \( (2 + 1)D \) [HP14]. \( (MC)^3 \) [KSW15]. 1
[CC14, Gio14a, HTT13, HTT14, MGL13, PM16, RKVL14, SBH+14, WNYP17].
1 + 1 [Fan19, SOÖN11]. 1/2 [HvWT17]. 1/t [AM17]. 2
[APC+14, BBB17b, BVP10, DLM18, EW14a, FJK+17, FK12, GCVA14b,
Gwi12, Ixa10, JCL+18, KO14b, KO16, RAV11, SW14a, SW14b, SA15b,
SKK11, SW11, TMA+15, TY10, TKL+12, TPC16, VLM11, WMRR17,
WRR19, YLKN17, YTYA17, ZSW+17a]. 3 [AV13, AGMS15, BAR12b,
CP15a, CPCdM18, CDLOL19, DGG13, FLZ+18, FRFH10, GS15, Gas17,
GMF+17, Giu19, GG16, GX15, HKJ+12, HDM+12, JEC+12, JCL+18,
JKIS16, KAK12, KL11, KO14b, KO16, KMJS16, LHJZ10, LHC+13, LX14,
LKW11, LBP15, MGO13, MCP+11, NHD16, NCB18, PR10, PCGM14,
QSC14, Qia17, RF15, RS12, RJL16, RHBH15a, RHBH15b, TGH+16,
TIM+16, VMGP+19, WNYP17, ZXL16, ZZD+16, ZSW+17a, ZFR18]. 3 + 1
[KHB14]. 4 [GGF+13, dSLF13]. 5 [GAB+16]. 71 [JTH14]. - [KH11]. 1
{LM16}. 129 [RMS+12]. 2
[BG13b, BG14a, BLG14, Bon15, Bon16, GBD10, HFSK12, RPB+15]. 3
[CDTV10]. 3Σ [Faw10]. (R) [LNSD15]. T M [RJKC16]. Web
[tools] [LSJ13]. 1−w
[CHW+15]. 21 [CHW+15]. 3
[BKA+14, CJJH1, CHW+15, DSM+11, KAR+15, LQZ+13]. 4 [LQZ+13]. 5
[LS11]. 6 [CJJH1, CHW+15]. [aMCGNLO] [ADF+15]. p F p−1, F1, F2, F3, F4
[HFSK12]. α2 3 [GGGH14]. [fAApart] [Fen12a]. A [CWW15, YWW13]. Bc
[WW12]. BR(B0, d → ℓℓ) [DNPS13]. C [Nik12b]. C3v [Nik12b]. N = 4 [SD15].
O(α2) 3 [HP17]. COCOS [SM13]. D [CZ17, Kap12b, KBT17]. D = 4 [Fis12].
∆(S2) 3 [MC17]. δf [DF14]. e+e− [YWW13]. e+e− −→ e+e−π0 [CI11]. e+e− −→ e+e−R(JPC = 0−−) [DKT14]. E3 [Dep17].
ep [AFIS12]. η [AHK+12]. ηm(Z) [CEPI10]. F [DGS+19, GAB+16, KTB17].
F2 [BK16b], F3 [BK14a]. G [CNMC10a, HR11]. Γ
[DEMM19, BHN+16, CCM12, ESM17, HCM19, LL15, MM11, WT12]. γj
HΦ [KYM+17]. i [HWM+15]. j [Wei11a], jj [Erm18], k
[AWK+16, EII17b, MDGC+12, OBH10]. kT [vH18]. k · p [Bot12, MBF+10]. L
[SS13b]. L∞ [TK14b]. Λ [WL11b]. λφ4 [Chr18]. LDA + U [HWW12]. O(N)
[PSP16]. µ [TACA15]. N [BBBL+13, CDS13a, MTM13, MBFD12, PIH11,
SGN17, WSH+12, diHV12, GJ14, RF10]. N = 8 [Fis12]. Nf = 2 + 1 + 1
[BBC+11]. ν [BHN+16, HCM19]. O(N) [SPS18]. Oh [Nik12b]. p [Wiel13].
P3M [KK17]. Pm/n [2+1+r(x)] [GST12]. φ4 [KVW11]. π [KS12]. q
[FDWC12, KO13]. q = 3 [dSLF13]. Q2 [HK12]. R
[AB10, AKH12, Bot12, Des16, NPM16]. R2 [Deg15]. S
[ACDM19, DSDM16, LB10a, LB11, LB12, LB13, SAS11]. S4 [LF12].
SO(2N) [CECGS16]. SO(8) [Fis12]. * [Tos10]. SU(2) [Alv12]. SU(3) [BW12a].
SU(Nc) [CB13a]. T [HCRD14, TU14]. T1 − T2 [GWF+16]. T2 [GCF+17]. T7,
W [QGLP13, Veb12]. Xbb [CWW10]. Xbc [CWW10]. Xcc [CWW10]. XY
[KO14b]. Z [GLPQ11]. Z2 [FWF+12].

-body [CDS13a, MTM13, MBFD12, PIH11, WSH+12]. -conjugated [KS12].
-coupled [QSC14]. -Coupling-based [Erm18]. -D
[FK12, GIO14a, GX15, LHJZ10, LHC+13, RKVL14]. -dependent [vH18].
-diff [TACA15]. -dim [GMF+17]. -dimensional [Kap12b, dIH12].
electron [PM16]. -function [ACDM19, DSDM16]. -gauged [Fis12].
-helices [HFSK12]. -Inclusive [DLM18]. -matrix
[BJ11]. -product [Tos10]. -qubit [RF10]. -ray

/Python [SV14].


4 [EJG+19, Gri10, Sta14]. 4.0 [KUVV13, OO15b]. 4.1 [KRW13]. 4.5 [CBYG18]. 4OEC [SK15].

5 [CFS13]. 512 [WN19].

6 [Nik12b]. 6.4 [KRW13]. 6.5 [KRW13]. 64-bit [TC11a].

70th [Pat12]. 77 [GH18].

8.2 [SAC+15].
9 [Nik12b]. 9.0 [SMO16a]. 90 [GST12, KS12, SSG+10, SSG+18, SS10a]. 95 [FGJB19, vH10].

= [LQZ+13].


[CGSB18, FSH13, JP11, SDS15, Sza13b, Sza13a, BS14a, BWB+17, BCFR15, BV10, BTL+17, Cap13, CI15a, GGRB14, CH11b, CRB+17, DS13a, Exl17, FOB+15, GP13, GJ13, Ham11, HTJ+16, HWX+13, HbotRC15, KEH12, KM10, LGW13, LWRQ16, MÅRK18, MFM15, MHR+13, Ngu17, PR14, PBS+17, PQTGS17, Sai10, SYS12, SKM15, WSH+14, XLX13, ARYT17, ELDS14, GHR+16, TL17, WXW14]. Acceleration

VvAV+11b, VLL+17, VGM+15, WP11, WRFS15, WWHW14, Wei12, WRVdL15, XWhZ13, YZZ+17, YvOSM15, YLYL17, ZKG+18, ZZHG18, ZCC19, Zhe15, ZMJ13, Zou18, vRWS14, Cho11, KS16a, SKH+10, YKS11.

Algorithmic [HB12, Mey18, GHR+16]. Algorithms [Fri14a, KD17, KBLJ18, Pan15, TK14b, BAF18, CWJ19, CLH+17, CCW10, CR12, CF17, CLB11, DS11a, DS14, Dim14, DS13c, FDWC12, Fri10, FRA17, GFR+14, GWF+16, GCHL15, GSC+16, Has11, HLLH16, Hon18, HVMR10, HCSW10, JPH+14, KS16a, KME+11, LBM+14, LYJY10, MEG12, MD11b, MA11, PBS17, Vuk12, WGI11, ZHC16, dSF18].


Amplitude [Raw15, BT17b, MPSV15, Raw16]. Amplitudes [DLU18, BBU11, BVH15, KvdO11, Per14, dALM+12, ADH+17]. AMR [GX15, TE18, ZKG+18]. analog [CO11, Fer15]. analyser [LW11, LW13]. analyses [Ham11, KSTR15, SUS+17a, WLM14]. analysing [BPMS16].

Analysis [BBB+15, Car10a, CAN11, GdGB+18, GES13, IB11, SLLP17, US18, WHB16, vDSM16, AAA+16, ÁSS18, ASE14, AS11b, AMR15, Ano11o, AdDm+12b, ACDm14, APC+14, BHN+16, BKN+17, BHH+10, BBH+15, CSC11, Car10b, CMRVVR+14, CF16, CPW17, CZL+11, DRR16, DGPOR18, EBCB+14, EBDM17, EW14b, EW16, Faw10, FF11, FNPMB10, FBN+13, Fri17, GGL+17, GMRHCME13, GMPFC+14, GMC18, GIo14b, GMO19, GHBL18, GA13, GBJ+10, GBJ+12, GBJ+13, GFJ+14, GAO13b, Hak16, HC16, HGL+14, JuIAM16, JCSW13, KKP11, KYKN15a, KYKN15b, Lev19, LS16, LH1W16, LRR+15, LWP+17, MMO+10, MLW+10, ME18, MB12, ML14, MPSV15, NEW+18, Nov17, Ost10, dRJJ14, OVS15, PCVZ11, PHT+17, PM14, Ram10, RRCSCJ10, RV10, Ruf13, RWKS15, SAA+10, iSYS12, Ser10, Sha13a, SLC11, Sin11, Sin12a, SUS+17a, TRM+12, TBZ12, TS11, UW12]. analysis [VV16, WLH+12, WLS13, XJS16, Yan09, GGF+13].

Analytic [BK13b, NS10, AC15, AC16, AC18, HSF+19, Kau13, LLG17, LLL12, LLL13, LYL+17, PSB11, PSBT12, Pat15, Pat17, Ser10, THDS16, TGUvS19, WAH13].
**Analytical** [MCAdF14, NCS17, BHW+12, DS10, FMRP16, FJK+17, JDG12, KCT15, KR14, MRVF13, SVV19, Tan19]. **analytics** [DS15]. **analyze** [GWM13, GNT17]. **analyzed** [dSF18]. **Analyzer** [FCC15, KHZ+18, LZ18]. **analyzing** [BPML12, SAHP15, WJCZ18] and/or [XHLM12]. **Anderson** [BHT19, FFT+14, MST+18, SJ17, SPP19]. **angle** [HJ14, SLLP17]. **angular** [HJ14, SLLP17]. **angustifolia** [VLM11]. **anharmonic** [Liu15a, LLZ+17]. **anharmonicity** [FCCTFR18, ZMCT12, ZMPT13]. **anisotropic** [HWS16, JG16, KYSV+15, LBB+16, MLW+10, M18, NO14, Ots11, SSB+16, SKML11, Tau10, VVB+12, YSVM+16]. **anisotropically** [CAN11]. **anisotropy** [BDK11, KGNS10, MS11, NO14]. **annealing** [BSM13, BWB+17, CM10a, CD12, IZRT15, LOK+16, LM12, ON11, Yam16, JKG+18]. **annihilation** [BUJ15, GGGH14, Gre18, HLM13, Kol15]. **annotate** [BVC13]. **Announcement** [YZCS18, AC18, SSG+18, WRMR19]. **anomalous** [CPWZ18, LRK13, PPV+11]. **ANOVA** [CC16]. **anQCD** [AC15, AC16, AC18]. **Ansys** [LNSD15]. **antenna** [THDH14]. **ANTICOOL** [Gre18]. **antiferromagnetism** [BG11]. **antipeakon** [HDZ14]. **antivortex** [BUJ15]. **any** [Fer15]. **APart** [Fen16, Fen12a]. **APCAD** [SLLP17]. **application-driven** [BJBC+14]. **application-programming** [SV14]. **Applications** [CM10a, HH11a, sL10, RBB15, VDF15, Asc10, BDPM15, BKA+14, CMSV14, CCCY18, Dim14, DBK+14, FUSH14, FOB+15, GMH11, GCHL15, HM18, JHH+19, JTW+17, JKG+18, KV10a, KMJS16, LM12, MCAdF14, MFG+13, NPM16, Pan15, PBL+18, Ram10, RDC+18, Sal13, SHW18, SKSK13, TK14a, Veb12, VSG18, WJCZ18, ZS13, MD11b]. **applied** [AHK+12, ASS13, BUJ15, BAR12b, DKG16, FBN+13, GBSY18, HJL+14, KBB+17, KL11, LAG+17, MCP+11, NBC18, SD14, TH17, VK14, WSTP15, Yam16]. **Applying** [HKZN17, KSH11, BS14a]. **approach** [ASS18, AV13, ABF19, AGVP10, AKKK16, AddM14, Aza13, BD12, BOGL17, BSK+18, BTC+17, Bot12, COK19, CSC11, CNMC10b, Cho11, CKCS13, Dan12, DF11a, DCU+19, DBP19, EKO16, ERP+12, FM12, FLW17, GLAC13, GMC18, GR19, Gen10, GS14, GLX+14, GCVA14a, HO13, HFSK12, HCC14, Ixa16, Jiw12, JHL+15, JSLM16, KK16a, KY14, Knn14, KLRK11, KP16, KKL+18, KV10a, Kra18b, KSY13, Lan13, LHJ+15, MGRB11,
[GXF$^{+15}$, FFT$^{+14}$, UBRT$^{10}$]. **ATAT** [CSPAD$^{10}$]. **ATI** [Dem$^{11}$]. **ATLAS** [dAFdSVM$^{12}$, MSS$^{+16}$, DBD$^{+17}$]. **atmospheres** [COK$^{19}$, HTT$^{13}$, HTT$^{14}$]. **atmospheric** [BCMS$^{10}$, BB$^{12}$, CHH$^{+11}$, KHBS$^{19}$, LHH$^{+12a}$, MFH$^{+13}$, RDN$^{+17}$, WW$^{15}$]. **atmospheric-pressure** [CHH$^{+11}$, LHH$^{+12a}$]. **Atom** [Jav$^{17}$, BH$^{17}$, CYD$^{11}$, DBJ$^{11}$, EPP$^{12}$, Erm$^{18}$, Ert$^{15}$, Fri$^{12}$, Gio$^{14a}$, Gre$^{18}$, Hei$^{12}$, Hin$^{11}$, Hir$^{15}$, JWL$^{13}$, JTH$^{14}$, JGB$^{+13}$, KBSP$^{19}$, KPST$^{15}$, Kra$^{17}$, Kra$^{18a}$, LB$^{10a}$, NPVR$^{14}$, OT$^{11}$, PM$^{16}$, PVK$^{+15}$, PLD$^{15}$, SEW$^{12}$, SEW$^{14}$, WR$^{16}$, YZZ$^{+15}$, ZKW$^{+15}$]. **atomic** [AZ$^{17a}$, AZ$^{17b}$, BSC$^{+13}$, BB$^{12}$, CHH$^{+11}$, KHBS$^{19}$, LHH$^{+12a}$, MFH$^{+13}$, RDN$^{+17}$, WW$^{15}$]. **atomic-molecular** [JWL$^{13}$]. **atomistic** [AZ$^{17a}$, AZ$^{17b}$, BSC$^{+13}$, BB$^{12}$, CHH$^{+11}$, KHBS$^{19}$, LHH$^{+12a}$, MFH$^{+13}$, RDN$^{+17}$, WW$^{15}$]. **atom-centered** [KCA$^{+13}$, LRW$^{+15}$]. **atomistic-continuum** [CL$^{13}$, GC$^{12}$, KK$^{13}$]. **atoms** [AKV$^{18}$, BH$^{14a}$, BH$^{14b}$, BRH$^{+16}$, GJ$^{18a}$, Kob$^{13}$, Lit$^{13}$, MCA$^{17}$, MGB$^{18}$, SLK$^{19}$, SPAW$^{17}$, WL$^{11b}$, ZL$^{15}$]. **Atoms** [Hir$^{15}$]. **Atomsk** [Hir$^{15}$]. **ATOR** [CKFB$^{12}$]. **ATSP2K** [BSGG$^{10}$]. **ATSP2K-package** [BSGG$^{10}$]. **attached** [SCNJ$^{18}$]. **attempt** [GM$^{18}$]. **ATUS** [MGL$^{16}$]. **Augmented** [RCGT$^{16}$, AM$^{14b}$, CKT$^{17}$, CSPAD$^{10}$, DKSG$^{16}$, DA$^{16}$, JGAL$^{+13}$, KAW$^{+10}$, PM$^{12}$, TH$^{+10}$, YLO$^{13}$, JTH$^{14}$]. **Augmented-Wave** [RCGT$^{16}$, JTH$^{14}$]. **auto deriv** [SF$^{10}$]. **autocorrelations** [CDS$^{13b}$]. **AutoDipole** [HMU$^{10}$]. **automata** [FBS$^{10}$, PC$^{11}$]. **Automated** [AC$^{13}$, BS$^{+15}$, HHH$^{+16}$, KK$^{13}$, KP$^{16}$, LFKD$^{18}$, LZ$^{18}$, RK$^{11}$, RPL$^{+14}$, THDS$^{16}$, Voy$^{13}$, WBY$^{11}$]. **atomistic-continuum** [CL$^{13}$, GC$^{12}$, KK$^{13}$]. **atoms** [AKV$^{18}$, BH$^{14a}$, BH$^{14b}$, BRH$^{+16}$, GJ$^{18a}$, Kob$^{13}$, Lit$^{13}$, MCA$^{17}$, MGB$^{18}$, SLK$^{19}$, SPAW$^{17}$, WL$^{11b}$, ZL$^{15}$]. **Atoms** [Hir$^{15}$]. **Atomsk** [Hir$^{15}$]. **ATOR** [CKFB$^{12}$]. **ATSP2K** [BSGG$^{10}$]. **ATSP2K-package** [BSGG$^{10}$]. **attached** [SCNJ$^{18}$]. **attempt** [GM$^{18}$]. **ATUS** [MGL$^{16}$]. **Augmented** [RCGT$^{16}$, AM$^{14b}$, CKT$^{17}$, CSPAD$^{10}$, DKSG$^{16}$, DA$^{16}$, JGAL$^{+13}$, KAW$^{+10}$, PM$^{12}$, TH$^{+10}$, YLO$^{13}$, JTH$^{14}$]. **Augmented-Wave** [RCGT$^{16}$, JTH$^{14}$]. **auto deriv** [SF$^{10}$]. **autocorrelations** [CDS$^{13b}$]. **AutoDipole** [HMU$^{10}$]. **automata** [FBS$^{10}$, PC$^{11}$]. **Automated** [AC$^{13}$, BS$^{+15}$, HHH$^{+16}$, HMU$^{10}$, JC$^{13}$, JC$^{14}$, KHKR$^{14}$, KH$^{10}$, Per$^{14}$, SM$^{+11}$, YFAT$^{17}$, HR$^{11}$, HKVR$^{10}$, U$^{+12}$, ZSW$^{+17a}$]. **Automatic** [CF$^{16}$, DAW$^{+19}$, Deg$^{15}$, GAGW$^{16}$, LV$^{13}$, LHWL$^{16}$, MV$^{11}$, MO$^{14}$, RC$^{11}$, Sta$^{11}$, ZZ$^{17a}$, dALM$^{+12}$, CL$^{15a}$, CD$^{15}$, Cha$^{16}$, DZ$^{15}$, Gio$^{18}$, Kol$^{14}$, Kol$^{15}$, LL$^{19}$, Lin$^{15b}$, OK$^{10}$, Ros$^{16}$, Sem$^{16}$, Sha$^{13b}$, SF$^{10}$, VKS$^{16}$, Wei$^{15}$, WX$^{13}$, YB$^{13}$, ZP$^{+15}$, Zio$^{13}$, ZUT$^{13}$, vH$^{10}$]. **automation** [GB$^{+16a}$, GH$^{+18}$]. **atomistic** [Str$^{15}$]. **atomizing** [TdAdSS$^{11}$]. **automatized** [Str$^{15}$]. **Automatizing** [TdAdSS$^{11}$]. **automaton** [FGC$^{11}$, JEF$^{14}$]. **autonomous** [Bl$^{+15}$, BCT$^{17}$]. **autostructure** [Bad$^{11}$]. **auxiliary** [GA$^{15}$, JBK$^{15}$]. **auxiliary-field** [GA$^{15}$]. **avaiable** [Cip$^{13}$]. **avalanches** [VKLM$^{11}$]. **average** [SG$^{+19}$]. **averaged** [KQYH$^{17}$]. **averages** [LP$^{15}$, Wan$^{16}$]. **averaging** [KF$^{17}$, Koh$^{15}$, MMO$^{+17}$, WHB$^{16}$]. **avoiding** [SBB$^{13}$]. **AVX** [GB$^{16b}$, WN$^{19}$]. **AVX-512** [WN$^{19}$]. **AVX2** [WN$^{19}$]. **AWESoMe** [MSHLS$^{15}$, MSHL$^{17}$]. **axes** [BDK$^{11}$, CNMC$^{10a}$, CNMC$^{10b}$]. **axial** [RS$^{12}$, Sz$^{13b}$, Sz$^{13a}$]. **axial-symmetric** [Sz$^{13b}$, Sz$^{13a}$]. **Axially** [PSL$^{+17}$, SSK$^{+13}$, GHMB$^{19}$, MCP$^{10}$]. **axially-symmetric** [MCP$^{10}$]. **axis** [CL$^{11}$, JTP$^{15}$, SM$^{+10}$]. **axisymmetric** [CL$^{11}$]. **azimuth** [LWZ$^{14}$]. **Azurite** [GLZ$^{17}$]. **B** [CHW$^{+15}$, HM$^{17}$, LQZ$^{+13}$, BH$^{16}$, BSC$^{+13}$, Fis$^{11}$, Jiw$^{15b}$, LD$^{10b}$, LX$^{12}$, RHC$^{15}$, RCH$^{16}$, ZF$^{16}$]. **B-DNA** [B$^{+13}$]. **B-spline**
BKN\textsuperscript{+17}, KPA\textsuperscript{+19}, KK17, OKP10, PR14, PBL\textsuperscript{+18}, QL10, TZK16, ZPV16. beam-based [BRL12]. Beamlet [AGB\textsuperscript{+15}]. Beamlet-based [AGB\textsuperscript{+15}]. beams [AGB\textsuperscript{+15}, PBL\textsuperscript{+18}]. Beating [CCL15]. Becke [GSZ13]. bee [vRVS14]. BEEC [YWW13]. behavior [CND11, DV11, FFIH11, HLS12, HST\textsuperscript{+11}, MFS10b, SLC11, vMB14]. behaviour [RDN\textsuperscript{+17}, WCT11]. being [GK11]. belief [EKDGG15]. Bell [DMH16, TZG12]. Belle [Anol1a]. below [BH17]. BEM [BD12, YBK\textsuperscript{+11}]. BEM/G0/PO/PD [BD12]. Bénard [GLW14]. Benchmark [BT17b, SIS10, FMRP16]. Benchmarking [BPP11, MNW\textsuperscript{+17}, Hdm16]. benchmarks [Yi11]. BenderWu [SU18]. bending [GSC\textsuperscript{+16}]. bent [Bab14, BAF18]. Bento [HLM17]. Benz [HDM\textsuperscript{+12}, SBPN15]. Berezinskii [RM16]. BerkeleyGW [DSS\textsuperscript{+12}]. BerryPI [AKZ13]. bespoke [WWR\textsuperscript{+16}]. Bessel [Cai11, GDB10, JL12, KT10, Ser17, TO10a]. best [SS13a]. Bethe [GGG16, GVS\textsuperscript{+15}, SAW18]. between [ABB\textsuperscript{+14}, AC13, Ano10o, BB13b, CDBM16, FD13, FHTO17, DRI\textsuperscript{+16}, GZ14, LSK\textsuperscript{+14}, PDC14, TJH17, USOA13, VC10, Yan11]. Beyond [BM19, HLM17, ABC\textsuperscript{+18}, BCP13, BHJ\textsuperscript{+15}, Deg15, DNP13, DML\textsuperscript{+16}, HRC11, PS12]. BGK [CM14a]. biased [Sin11, Sin12a]. biasing [Gio14b]. BiCGGRR [TKS10]. BiCGSTAB [NIK\textsuperscript{+12a}]. bidirectional [FSF11]. Big [GR19, Hoh18]. biharmonic [SK15]. bilayer [FPY\textsuperscript{+17}]. bilayers [MSR10]. binlinear [MWCY14, Ram10]. BilKristal [OG14, Oo15b]. Bill2d [SLR16]. billiard [TTS11]. billion [YBK\textsuperscript{+11}]. Bimolecular [SAG13]. Bin [CMRV16, GGG\textsuperscript{+19}]. binary [CM10b, GCC\textsuperscript{+18}, JuIAM16, LM12, WLU11]. binary-coalescence [GCC\textsuperscript{+18}]. BiNCa [BKA\textsuperscript{+14}]. binding [BBH11b, HSF\textsuperscript{+19}, HM17, PDC14, RJKC16, SHNM11, YLYL17]. Binoth [ABB\textsuperscript{+14}]. bio [BG13a]. bio-molecular [BG13a]. BioEM [CRB\textsuperscript{+17}]. bioheat [BBB17b, IBB18]. biological [BHVMH15, CRNK12, NBM\textsuperscript{+15}, Yan11]. biology [DS10]. biomass [XAP14]. Bimolecular [VPM16, YBK\textsuperscript{+11}, CBB14, GCH\textsuperscript{+18}, LCHM10, LCHM13, SCC\textsuperscript{+12}, TVZ\textsuperscript{+15}]. biophysical [JJ15]. biopolymers [PA13]. BIOTC [XAP14]. bird [TBB\textsuperscript{+14}]. birthday [Pat12]. bit [MP11, TC11a]. black [DIR\textsuperscript{+19}, Gin10, Giv19]. black-hole [DIR\textsuperscript{+19}]. BlackMax [DIR\textsuperscript{+19}]. BlackNUFFT [Giv19]. blast [SKH\textsuperscript{+10}]. Bloch [CCW10, Dem13, SDL\textsuperscript{+16}]. Block [CSV\textsuperscript{+18}, DB13, FRFH10, JBG\textsuperscript{+16}, JBG\textsuperscript{+17}, LH18, SPS10, DKOS14, HM18, LW14a, NIK\textsuperscript{+12a}, Nem16, STK10, SAY\textsuperscript{+18}, TKS10, US16, VBS\textsuperscript{+17}, WT15]. Block-based [LH18]. Block-Krylov [CSV\textsuperscript{+18}]. Block-pulse [SPS10]. Block-structured [FRFH10, JBG\textsuperscript{+16}, JBG\textsuperscript{+17}]. block-tridiagonal [LW14a]. blocking [TSIM16]. blood [BTL\textsuperscript{+17}, CRA10, MMC10, MBS\textsuperscript{+10}]. Blue [CRA10, BW15]. Blume [FLP10]. BN2D [SBPN15]. BNL [GFJ\textsuperscript{+14}]. Board [Ano18e, Ano18f, Ano18j, Ano10b, Ano10c, Ano10d, Ano10e, Ano10f, Ano10g, Ano10h, Ano10i, Ano10j, Ano10k, Ano10l, Ano10m, Ano11c, Ano11d,
Ano11e, Ano11f, Ano11g, Ano11h, Ano11i, Ano11j, Ano11k, Ano11l, Ano11m, Ano11n, Ano12b, Ano12c, Ano12d, Ano12e, Ano12f, Ano12g, Ano12h, Ano12i, Ano12j, Ano12k, Ano12l, Ano12m, Ano13b, Ano13c, Ano13d, Ano13e, Ano13f, Ano13g, Ano13h, Ano13i, Ano13j, Ano13k, Ano13l, Ano13m, Ano14a, Ano14b, Ano14c, Ano14d, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano15m, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano16k, Ano16l, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i, Ano17j, Ano17k, Board [Ano17l, Ano18a, Ano18b, Ano18c, Ano18d, Ano18f, Ano18g, Ano18h, Ano18i, Ano18j, Ano18k, Ano18l, Ano19a, Ano19b, Ano19c, Ano19d]. bodies [MNV13], Board [Ano18e, Ano18f, Ano18g, Ano18h, Ano18i, Ano18j, Ano18k, Ano18l, Ano19a, Ano19b, Ano19c, Ano19d]. bodies [MNV13], Body [GBJ +13, GBJ +15, BBC +13b, BY13, BRH +16, CDS13a, CKS10, EKO16, FCVH17, FEH11, GBJ +10, GBJ +12, GBFJ14, HEF12, HLZ +13, Ixa16, JWC18, JWM +18, JOK13, JDG12, KPA13, KPST15, KHN19, LSDD14, LB13, MTM13, MBFD12, NPAG11, PMMW15, PKRS16, PIH11, RC11, VvAV +11b, WZHE18, WSH +12, XMLC16, ZC12]. Bogoliubov [SP18a, SSK +13], Bogolyubov [PSL +17, SDM +12, SDS +17], BOINC [GHdF10]. Boltzmann [Asi10, BBB +17a, BHNS17, BO12, CVK +17, CYN19, CAN11, CB16b, DUC +19, FGG11, FKH15, GTSL +13, GJ13, HLS +17, HCSW10, JK14, JEFF14, LCKM14, LCHM13, MOD13, MR14, Maz13, STA18, Sch14a, SSF +17, SD14, SD10a, TS19, TD17, WLU11, ZKG +18, ZCG17, vdS10, vdS13, vdSM16]. Boltzmann-cellular [JEFP14], Boltzmann/finite [CRA10], BoltzTraP2 [MCV18], BoltzWann [PVK +14a, PVK +14b]. bond [CM15, HSF +19, MH11, THDS16, WDR16, XZF12]. bond-order [HSF +19, THDS16]. bond-orientational [WDR16]. bonded [BL14, Faw10, GTPWL12]. bonding [Sva12]. Boost [Ein16b]. Boosting [BL18a, dJBIM16]. Boris [Ume18, Ume19]. boron [HW12, Yan11]. borrow [Sib17]. Borwein [BCW13, BCJM13]. Bose [CCW10, GM14, Hoh14a, JWC13, JWL13, LCC11, MT13, TDM17, US16, VBMS17, WX11, WX14]. boson [BGM +14, Brs15, Cas12, DDKM15, EMW19, KKS18, OK12, QwWL +15]. bosonic [ZBG +16]. both [ACdM19, LM19]. bottle [HP11]. bottle-brush [HP11]. bottom [HLM13]. bottom-quark [HLM13]. bounce [KQYH17]. bounce-averaged [KQYH17]. bounces [GLAC13]. Bound [Eba13, LB13, BK11b, DT11b, LV13, SAW18, XJS16]. boundary [SAW18]. boundaries [ADdM +12b, CdLOL19, DVI11, FKJ +17, HSD17, KSH11, KS16a, LFKD18, NVW +13]. Boundary [KS16a, KPPC13, WL111, YZ16, BMHP17, CCHL11, CS10, CBB14, DGI0a, DS13c, DGG13, FBHB17, GJ13, GN14, Ham11, HSD17, Hon10, JYPA18, Jiw15b, LX12, LWZ14, LXR +18, LCQF18, LS13, MRL18, MRVF13, Mil16, NPM16, NCB18, PN15, PS11, PLCC12, Qia17, Rab09, Ras17, RC13, RC16, RHH12, RTA10, STA18, SP18a, SCNJ18, SN16, SK14, Uty14, Wan16, Wil19, YS17, ZWLZ17, ZLL13, vdS13]. boundary-layer [Ras09, Ras17]. boundary/cut [NCB18]. boundary/cut-cell [NCB18]. bounded [MRVF13, ZPS +18]. boundedness

C [ADH+17, Ano11o, Ara14a, Ara14b, Aas14, BV13, COK19, CECS16, DPW16, Ein16b, Fow18, GH18, GC10, GC13, GC16, GC18, HL18, KvdO11, KPY16, KL15, KYSV+15, LCHM13,LYSS+16, MD11b, MCAdF14, Sai13, SV14, SS12, Sch18, SWS+12, Smi15, Stu10, TS11, VER16, VVB+12, Vuk12, YSVM+16, HFSK12].

C# [GBJ+10, GBJ+12, GBJ+13]. C-code [GC10, GC13, GC16, GC18]. C-library [MD11b, MCA0, RMC14]. C2x [Rut18].


Cahn [KL17, LK12, LLK16, YZ19, ZFH14]. CalcHEP [BCP13, Sta10].

CalcHep/CompHep [Sta10]. calculate [BBU11, CATK11, FLE19, Fen12b, KA17, KST+14b, MPA13, SAR17b, SHZ13, ZKW+15]. calculated [HS16, LS12b, RJ12, YFAT17].

Calculating [ABB+16, ECH16, Fow12, LKM+16, AM10, AM11, Arb12, BBL+13, BNV18, BBPS14, Br15, CLJ12, EZBA16, FS17, FEG11, GPS+13, HFG12, Jab12, Jab13, LCH11, LCHM10, LCHM13, MCV18, MI11, NGM+10, PH13, PCHR17, Pos18, SEW12, SEW14, STY15, STY18, Sc16a, Spa17, SW12b, VD+11, WCL14, YLTS16, ZMCT12].

Calculation [GKM10, Kir10, LXR+18, MK19, Pla16, Sar17a, SMGK19, WW15, WBY11, AHK+12, AC17, AG14, AAT17, Aza13, BGM+14, BPC12, CMVRB+14, CMRVR+14, CHDCA17, CYD11, CFSK14, Cip11, Cip13, CM14b, DBDP12, DSS+12, DRR15, DNS13, Eba13, ELL+17a, FWZ+12, GSKM17, GAHP15, GM16, HLM13, HK15, HAN+16, JL12, KAK12, LPRPR17, LFK18, LS14, LKL11, LSCZ11, Liu15b, LHG18, MGK13, MSNI11, MPSV15, MSRL10, MSHLS15, MSH17, MC17, NKS15, Nia12b, ORCR17,
PBMAD12, Pat15, Pat17, QZWU19, QLN14, Ram10, RK19, SD10a, Shi16, SS11a, SZM+14, SKK11, Sta11, Ste17, SMGK14, TZG12, TMA+15, WLGY18, Wei99, Wit14, XMLC16, Yan09, ZPH+15, ZTG13, ZTG14, ZFBR11].

Calculations
[Lit13, PDC14, YZY10, APS+16, ART17, AC15, AC18, BK13b, BC10, BDPM15, DdJC+19, BH17, BBH11b, BS13b, Bor14, BHS15, Cas12, CPV13, CCGC13, Cor14, Cri18, Dan11, Dat13, DN18, DSW+15a, DHS14, DA16, DO14b, DML+16, EJG+19, Ern18, FSH13, FUSH14, FCC15, Fri12, FZY13, GA15, GGG16, GVS+15, GBSY18, HSF+19, HWW12, HHS+10, HW12, JPCG15, JWCW17, JOK13, KT12, KCT15, KKL+18, KSL+11, KPK+17, KST15, KH10, LA13, LS19, LZP12, LS+17, LS17a, MED11, Maz19, MAM14, MLK+17, MLK+19, NGG+13, NSXZ14, Nis11, OBH10, OT11, PB13, PUO14, PKRS16, PSP16, RPL+14, Roh16, RC11, SAW18, SW14a, SZ15, SCRS17, SAY+18, SPMM11, SLR+11, SOT14, SQ16, SQL+10, SPSP18, TC12, VSG17, VCMS+13, WL11a, WR16, Will15, XJS16, Zit11].

Calculations [VPM16].

[ERS10c, ERS10a, ERS10b, HTY17, ZZH+16, ALL+11].

Calculus
[BMG+15, BDGM+17, Ost10, ZUT13].

Calorimeter
[dAfSVM12, GRZ10, BPPM14].

CALPHAD
[TKP15].

CALYPSO
[WLZM12].

Camassa
[ZTG14, AFIS12, ASGLK10, AK15, ABB+14, ASPDL+16, AIG16, Ano10o, AK13a, AK13b, AMJ18, BKV16, Bar11a, Bar12a, BDP16, BVP10, BG11, BMW14, BG13b, BLG14, Bon15, Bon16, BMDP19, BENK+17, CXG+19, CL11, CL15b, CKS10, CNS+14, C11, CK19, DSHS17, DGPW11, DEMM19, DPK+15, Dem11, DDKM15, DKT14, EBDM17, ES11, FGGM11, FLE19, FW11, FDWC12, GA15, Gin10, GSB+14, GWF+11, GB17, HKZN17, HBE10, HMR14, HP11, HWM+15, Hua17, IUM13, JPSS10, JLA+14, JA17, KOT12, KEH12, Kan14, KRW13, KC14, KKK+17, KNS+17, KLO+19, KSW15, KPVvdH13, LS14, LS15a, LS15b, LLE+18, LWL11, Lut15, MP11, MBRV+13, MRZ10, MEM+11, MW14, MHR+13, MMY+19, NPAD11, NHD16, NDSH18, NSXZ14, NBC18, NM14, OPO+11, OPSR13, OPR14, PZL+19, PEMS19, PM14, RF16, RMS+12, RV10].

Carlo
clusters

Coarse-grained

collision

colliding
PVK⁺17, SP18b, TFBW14, TCP13, XD16]. Compression [BCC⁺18]. Compressive [HJL⁺14]. comprising [PDC14]. compromise [LGW13]. Computation [AZ17a, Ber16a, ERS10c, KYKN15a, Kra18a, LR16, Nat10, Ras17, RC16, RBH15a, SGM11a, Sco13, SIMGCP14, YQM14, ZTG14].

Compression [BCC⁺18]. Compressive [HJL⁺14]. comprising [PDC14]. compromise [LGW13]. Computation [AZ17a, Ber16a, ERS10c, KYKN15a, Kra18a, LR16, Nat10, Ras17, RC16, RBH15a, SGM11a, Sco13, SIMGCP14, YQM14, ZTG14].

Computational [ABB13, AL17, BBB⁺17a, BBC⁺13b, JAS17, MCGR11, NMS14, NFS15, RH11, SWS⁺12, WWR⁺16, YFAT17, ÅSS18, BHNS17, BCP⁺16, CL15a, Che11, CRC⁺13, GBSY18, GBS⁺16a, HWCDm19, JOR⁺12, LFKD18, LHJ⁺15, LLX14a, MWI⁺19, MCM10, MCP10, Mül14c, NMMC15, NVAFO18, PSM14, PSM15, RK11, RBB15, RCD⁺10, Ros15, Sou14, WC15, ZTG13, ZTG14, dSVLP13, dSF18]. computationally [DMC10]. Computations [Dan10a, Dan10b, BKS15, Bog16, Bre10, DS13c, GJ18a, GLW14, HKSW10, MKR⁺12, Naz12, NOR15, Wei15, YRR13, dALM⁺12]. compute [BH11, Boy15, HHP⁺14, PB16, RLS16, RW11, SSG⁺10, SSG⁺18, TZM17, VB19, Wei11a]. computed [FWS⁺17, MH18, SBvD13]. Computing [ASTT16, ADF⁺15, BBC⁺11, Gio14a, LSG⁺12, TCP13, Wui12, YE14a, ARAB⁺17, ARYT17, ABDR17, Ara14a, Ara14b, BHW⁺12, CR13, CLC14, Chik11, CSR13, CL16b, ÇOSÜ11, CRB⁺17, CNS⁺14, Dan10a, Dan10b, Dan11, DMC⁺15, DGST17, Eini16a, FBN⁺13, GXF⁺15, GLHR19, GST12, GHIF10, GCVA14a, GCVA14b, HCH16, JTP15, JVR12, KDP⁺14, KO14b, KO16, KK17, LR18a, LR18b, Lee18, LS17b, NFS15, PNL13, PG10, Qia10, SDS15, Shal31a, TKP15, TACA15, TGH⁺16, VPVMH⁺17, WX14, WGVPL17, YK18]. CONAN [LKT⁺16]. concentrated [BE14]. concentrations [DMC⁺15]. concept [Vuk12]. concise [KKG⁺15]. concurrency [Dan11]. Concurrent [Hah16, HWT10]. condensate [VBMS17]. condensates [CCW10, GM14, Hoh14a, JWCl3, JWL13, MT13, TZM17, WX11, WX14]. condensation [Ker17, LCCC11]. condensed
[Jab17, MKB+11, ONS+15, SBH+14]. condition
[PN15, STA18, SCNJ18, WL11]. Conditions
[KFF+16, KPPC13, BMHP17, CCHL11, DGG13, EY11, FJK+17, HSD17,
JYPA18, Jiw15b, LWZ14, LLL12, LHWL16, LS13, MD11a, MRL18, MRVF13,
Mil16, NPM16, PLCC12, Qia17, QHC+10, RC13, RC16, RHH12, RTA10,
SP18a, SN16, Uty14, Wan16, Wil19, vdS13]. conductance [SPMM11].
conductances [TXZL15]. conducting [JPK+12, Qia16, RBG+19, SKML11].
conduction [CAN11, HWS16, MLS10, iSYS12, SN16].
conduction-radiation [CAN11].
conductivity [AWK+16, CKT17, FSH13, KST+14b]. cone [Hal17]. Confidence
[Zlo14, SC14]. Configuration [Kra17, Kra18a, BSC+13, CF16, Gar19,
GSY18, KGG+16, KPST15, QZWU19, RE12, SAY+18]. configurations
[BPS+16, CB13a, Gwi12, MCP+11, SKK11]. confined
[LKT+16, MSRL10, RS12, RAV11, SGNL17, SNB11, SCM+16, vdS10].
confinement
[Den10, HJJ+14, LLQX19, LHJ+15, LZ17, MJB+10, RV11, ZHCR18].
conformal [WWC+16, ZDWM17]. conformational [LOK+16, JKG+18].
conformations [CS16]. conforming [YWX11]. Confronting
[BBH+10, BBH+11a, DKK+15]. conguential [SS13a, TC11a]. conical
[DGST17, GST12, DGST17]. conjugate
[ASTT16, AG12a, EFK+19, HbotRC15]. conjugated [KS12, SS10a].
Connecting [SHI17]. conquer [PA13]. conservation
[AAD14, DJ11, HKJ+12, HHC+10, MMT+11, MWC14]. conservative
[BMBC+17, EWT14a, KL17, LMRC15, UNK12]. conserved
[Mar15, Nog17a, Nog17b]. Conserving [GHLB18, GHMB+19, AK15, CC14,
CC15, DCC+10, GVPJ18, MTO15, Sok13, YXT+15, vSGB+18].
Consideration [WTH15]. considerations [WL11, dSFDFF13].
considering [GLAC13]. consist [Faw10]. consistency
[Sit18, SHMM11, SIMGP13, SIMGCP14]. Consistent
[MNC15, CDTV10, CCGC13, DR12, Erm18, KOK17, NPVR14, Pit12,
SEW12, SEW14, XNK+16]. constant [DT10, KA17, Moh14, SH12a].
constants [GPS+13, LSCZ11, Ma219, MLK+17, MLK+19, TW15, Voy13,
WBY11, YY10, ZC12]. constrained [BS15a, Mar15, NSXZ14]. constraint
[WX14, YLK10]. constraints [AKK+18, NPAG11]. construct [Ray10].
constructing [RU13, SOJ14, VSG18]. Construction
[DIP11, ART17, FG13, GAGW16, OWS+14, RC11]. Constructive [HH11b].
contact
[BG13a, CCLL18, EVB14, Gao13a, NFD+19, OL12, TTG11, dSDO12].
contact-impact [CCLL18]. Containers [GBC+18]. containing [Bot13].
contaminated [MW12]. contamination [PCEH15]. context [OLG+16].
continuation [CCW10, JWCI3, KSW12, LLG17, TGUVS19]. Continuous
[GMRHRCME13, GMPFC+14, GWF+11, GLW14, SGW17, BR13, Bis15,
BVC13, CM10a, CXG+19, FGC+11, HWG13, HWM+15, Hua17, IW15,
PBS+17, SKFP16, SLLP17, WRFS15, WLG+13, YWOD19].
continuous-angle [SLLP17]. continuous-energy [WRFS15].
Continuous-time [GWF+11, SGW17, HWG13, HWM+15, Hua17, IW15, PBS+17, SKFP16, YWOD19].
continuum [CL13, FM12, FZR19, GC12, HLS+17, KK13, MBF+10, MNP17, NFA+16, NB17, PG10, SYE+18, TKL+12, WSTP15]. continuum-scale [HLS+17].
contracted [AC13]. contraction [DE13, PGO17]. Contribution [TW11, Pat12]. control [BM13, CAN11, CLL16, CB16a, FBHB17, FR15, HRC11, Hoh14a, KHK+11, KSW12, KSYY13, MS14, MD10b, MGFRG12, OK10, SH18, SCB17b, SCM+18, VPMVH+17, vWB10]. control-variate [KHK+11, MS14].controlled [Exl17, HST+11, Pla16].Controlling [LYX+17, CB15d, KSH14, PEMS19, RBG+19].
convex [LHGF18, RLL12]. convex-roof [RLL12]. Convolution [LYP+17, Bot11, Qia10].
convolutional [LZZL10]. convolutions [HHP+14].
Core [NBW16, ALC18, AZM14, ACTP15, BNAB11, CND11, ERM18, FLSZ13, FBN+13, GAC+17, GVS+15, HWT10, LHZ11, MNP14, RCGT16, RB18, RJKC16, TRM+12, TDL+14]. core-collapse [BNAB11].
core-excitation [GVS+15]. core-level [MNP14]. core-shell [ACTP15].
corr3p_tr [EKO16]. Correct [WHB16]. Corrected [BPC13, Cip13, BGM+14, HWW12, HM17, JOR+12, KKS18, SO19].
correction [FKL13, KK14a, KO14a, LYX+17, LLZ+17, Mar15, MSR10, SW13a, TZG12].
corrections [ABdA15, ARMdA17, BBUY13, BCR14, HP17, LP15, Sta11, YW17, NJ18]. corrector [PAS11, PS14, SD10b, SA15b, TYH+15, Yua19]. correlated [APS+16, BKS15, DB13, HLL13, JDG12, KH11, MDF11, OOK+12, PZY16].
correlation [ARAB+17, CMVRB+14, CMSN18, DK+14, KCL+11, LAA+10, MHH11, MOB12, PZL+19, QHZ+14, RMW13, RGKR17, WPD+15].
Correlations [DBB12, CLKK11, KÖG17, MBGV15, iT11, WT12, YK12].
correlators [DE13, Nem16]. correspondence [GLX+14]. corresponding [GCVA14a]. Corrigendum [AZ17a, Ber16a, KYKN15a, KRA18a, LR16, Ras17, RC16, RHBH15a, YQM14, ZTG14, Sco13].
corrugation [ZFB11]. CORSIKA [BG14b]. cosine [Ert15, GH11, PH11, TK14b].
Cosmo [Asl14]. Cosmological [CMRVVR+14, Sai10, Wai12]. cosmologies
cosmology
Cost
Coulomb
Coulomb-distorted
Counterexamples
Counterterms
Counterparts
coupled
coupled-channel
coupled-cluster
coupled-wave
couplings
covariant
covariant
CPU
CPU/GPU
crystal
crystal-cutting
crystalline
crystallization
crystalline
Cu
Cuba
cubic
cubic-quintic
Cucheb
CUDA
JK10, KHBS19, KO14b, KO16, LBB+16, LYSS+16, LYZ13, MSML10, iSYS12, SKM15, WGG+19, WMRR17, WRMR19, WWFT11, YHL11, ZAFAM16]. **CUDA-based** [WGG+19]. **CUDA-enabled** [KHBS19]. **CUDA/MPI** [LYSS+16]. **CUDAeasy** [Sai10]. **CUGatesDensity** [LV13]. **Cummings** [KAvdL11]. **Cumulative** [AMR15, GST15], **curation** [GVPJ18]. **currents** [CPWZ18, HLS+17]. **curves** [BG13a, SH12a, dJBIM16]. **cut** [JvOK17, LCRL10]. **cut-cell** [JvOK17, NCB18]. **CutLang** [US18]. **cuto** [BL18a, SH12a, dJBIM16]. **cutting** [KMJS16]. **CWO** [SWS+12]. **cycle** [PZL+19]. **cycles** [GTSL+13]. **cyclokinetics** [ZW15]. **cyclotron** [BB13b, JGC+11, KMD12, PBL+18, SS11a]. **CYL** [GHMB+19]. **cylinders** [MCM+12]. **cylindrical** [RS12].

**D** [BL18a, JCL+18, LBP15, RPB+15, RBHH15a, TGH+16, WNYP17, AV13, AGMS15, APc+14, BBC+11, BBB17b, BAR12b, BVP10, CP15a, CPCdM18, CC14, CdLOL19, DGG13, EW14a, FLZ+18, Fan19, FJK+17, FK12, FRFH10, GS15, Gai17, Gio14a, Giu19, GG16, GAB+16, GGF+13, GX15, GCA+14b, Gwi12, HKJ+12, HTT13, HTT14, HDM+12, Ixa10, JEC+12, JCL+18, JKIS16, KAK12, KL11, KO14b, KO16, KMJS16, LHJZ10, LHC+13, LX14, LKW11, MGL13, MGO13, MCP+11, NHD16, NCB18, PR10, PCC+14, Qia17, RKVL14, RF15, RS12, RAV11, RJLL16, RBHH15b, SBH+14, SW14b, SP18a, SA15b, SKK11, SW11, TMA+15, TY10, TKL+12, TIM+16, TPC+16, VMGP+19, VLM11, WNYP17, WMRR17, WRMR19, YLKN17, YTYA17, ZXL16, ZS+16, ZSW+17a, ZFR18, SW14a]. **D-3V** [CC14]. **D/** [JCL+18]. **Dalitz** [BGH+18]. **dam** [YS17]. **damage** [MBRV+13]. **damped** [DZ13, Eba13]. **damped-relaxation** [Eba13]. **damping** [MD11a, SS11a]. **DAMQT** [LLR+15, LRR+17]. **Darboux**

**[ADdM14, ACDdM15, ADdM15, ACDdM19]. **dark** [BBB+11, BBPS14, BBPS15, BHH+16, CCM12, HTY17, HCM19]. **Darwin** [CC14, CC15]. **dash** [CG11]. **Data** [BCJ+11, Car10a, DPK+15, KST+14b, XLCW14, AAA+16, Ano10a, Ano11a, Ano11b, BDKS10, BALV16, BB13a, BBV10, BMF+19, CL15a, Car10b, Cz18b, CMSV14, CZ19, CO11, DAW+19, DRUE12, DDK+15, DADS11, ECD+10, End11, Fer15, FCC15, FWS+17, GMRHRCME13, GTH+17, GVPJ18, GR19, GdGB+18, HB14, Hir15, JTH14, KFF+16, Kom15b, LLQX19, MW12, MGO13, MD10b, MM11, MGFRG12, MGR16, dLR11, PCVZ11, PGO17, RMW13, RSSH+10, SEW12, SEW14, Shi16, Sin11, Sin12a, SAS11, SOJ14, SS+17, TRM+12, TGUV19, Var16, WMK11, YG12, ZSW+17a, Zlo14, dBCH14]. **data-assisted** [GTH+17]. **data-driven** [Cz18b]. **data-sharing** [TRM+12]. **Database** [RB+15, BDT15, BBH+18, LL15]. **datasets** [CKT17, SHW18, WvSL13]. **Davey** [GML15]. **Davidson** [HLW16, ZHC16]. **DBpedia** [ZLLP17].
DDBSR_HF [ZF16].

DCDEM [CCD+16].

DD [DDS+13b].

DD-HMC [DDS+13b].

Dealing [ACDdM19].

dealloying [ZDD+13].

Decay [APV10, Lev19, ADF+15, BGM+14, CDL+12, CLF18, Gin10, LMAB16].

decays [AC17, CGV13, CPWZ18, CCN17, DET12, DGPW11, ES16, EMW19, FEH11, HEF12, WT12].

decimation [US16].

Decomposition [ZYL+19, ASPW13, APC+14, BS15a, BS15b, CECSG16, CH11a, DO14a, DO14b, EDPZ19, GWF+16, JU17, JKIS16, KU10, LHWL16, MRL18, MCL+17, QL10, San15, ST19, SO19, TD14, WM13, WY19, ZHC16].

decompositions [FRG12, GLHR19, SPS18].

decoupled [ZKS+18].

decoupling [SS12].

dedicated [MH11, Pat12].

dedicated [MH11, Pat12].

defines [ASPDL+16, Sza13a, WWS10].

definition [CNMC10b, DADS11, NLSJ17].

definition [NLSJ17].

definition [NLSJ17].

definition [NLSJ17].

definition [NLSJ17].

definition [NLSJ17].

Density [GS17a, NJS17, VCMS+13, ASA18, AKZ+13, AG14, AM10, AM11, AM17, BBH11b, BCH17, BR13, BSGG10, CDTV10, CXH+15, DSN+11, Dua12, FTT18, FLE19, GWL+17, GBR+14, GJ18a, G UN14, SDM+12, SDDS+17, SSK+13].

density-functional [GBR+14, MGRB11, MC17, SCRS17, SA14, TVGB15].

dependence [MAZ19, MLK+17, MLK+19].

dependencies [Kan14].

Dependent [LB10b, BBA17b, BBM+17, CFCB12, CVK+17, DSN+13, DAHR14, DM12, FGBL12, GWL+17, GS15, GBR+14, GTG+11, HST+11, HM18, IBH18, Ixa12, Kap16, Ker17, KSPP19, KTA12, KYSV+15, LV14, LBB+16, LYSS+16, MC16, MGRB11, MGL16, MC17, NPM16, ON12, PR13, PM16, RVDS16, RVDS18, SSB+16, SHZ13, SSH+13, SL1C11, SBH+12, SCB17b, Ste17, TC11b, TVGB15, TT11, UW12, VBS+17, VBB+12, ML11b, XSS16, YSM+16, YSM+16, ZHCR18, ZYZ15, ZKS13, dSF18, vH18].

dependent [EY11].

dependent [EY11].

dependence [HLK11].

deposition [HKK11].

DenseToolKit [SAHP15].

DensToolKit [SAHP15].

Density-based [SSX14].

DeepMind [WZHE18].

Dedepartment [WZHE18].

Dedepartment [WZHE18].

Decoherence [RLS16].

defects [BMZ+18, CLC14, LZ18].

definition [CNMC10b, DADS11, Vuk12].

definition [NLSJ17].

definition [NLSJ17].

definition [NLSJ17].

definition [NLSJ17].

definition [NLSJ17].

definition [NLSJ17].

Dependent [LB10b, BBA17b, BBM+17, CFCB12, CVK+17, DSN+13, DAHR14, DM12, FGBL12, GWL+17, GS15, GBR+14, GTG+11, HST+11, HM18, IBH18, Ixa12, Kap16, Ker17, KSPP19, KTA12, KYSV+15, LV14, LBB+16, LYSS+16, MC16, MGRB11, MGL16, MC17, NPM16, ON12, PR13, PM16, RVDS16, RVDS18, SSB+16, SHZ13, SSH+13, SL1C11, SBH+12, SCB17b, Ste17, TC11b, TVGB15, TT11, UW12, VBS+17, VBB+12, ML11b, XSS16, YSM+16, YSM+16, ZHCR18, ZYZ15, ZKS13, dSF18, vH18].

dependent [EY11].

DensePMMD [WZHE18].

DensePMMD-kit [WZHE18].

Dedepartment [WZHE18].

Dedepartment [WZHE18].

DeepSciPy [WZHE18].
DM17, DJ12, DSPJ10, FNPMB10, GS17b, GS17a, GA10, GB14, GMHZ19, HE13, Hsu11b, HZ11, JK19, JLM18, Kob13, LD10a, LV15, LLXK16, LYX+17, MSS+16, MBFD12, ICD13, ON14, OWS+14, Ram14, RC13, RC16, SP16, TT14, Tor17, TMA+15, TYH+15, TCP13, VLPPM14, VDB14, VV16, WZ13, Wit14, XYK12, YXT+15, YTYA17, YQM12, YQM14, MCM+12].
difference-collocation [LD10a]. difference-FFT [YXT+15].
difference/Hermite [GMHZ19]. differences [PVK+17, SCG11, UA17].
differencing [PTMDPK14]. different [CD513a, DN13, EMW19, GVR19, MJB11, TRM+12, XLX+15]. Differential [BKK13, BKM14, BK15, BK16b, DSW15b, PTS12, APV10, ADdM12a, ADdM14, ACDdM15, ADdM15, ACDdM19, CJI+17, DHJ13, DdMN16, DGST17, DSP15, FSJ+16, FBHB17, FF11, GJ14, GM17, GCVA14b, HJ14, HI11, Jan10, JK10, JC13, JC14, JPM12, Jiw15b, KD17, KBSP12, Kra10, Lev19, LLL12, LLL13, sL10, MB+10, MZE13, NO12, Ras09, Ras17, RBB15, VBC+12, VJC12, WYSW10, WT15].
differentiate [Gio18]. differentiation [CL15a, CD15, Cha16, Gio18, GHR+16, HAV+14, SF10, VKS16, YB13, vH10].
differentiator [LZZL10]. difficult [ACDdM19]. diffraction [FNPMB10, GTH+17, MSPD12, WGI6a, WS11a].
diffuse [Gri10, XD13, XHD15]. diffusion [BMW14, BO12, CYN19, CATK11, CB15b, CMdB11, CM14a, DMP18, DJ12, EZL+16, FZR19, GA10, GN14, HJ14, HZ11, MBRV+13, MFM15, MS11, Pla16, SGA18, SO19, SCM14, SL14, Tae10, Tia11, WXW14, WFV14, XWF18, YQM12, YQM14, ZSW+17b, dSF18, dTOV18, BR11, KdMvO14, MNPF17].
diffusion-controlled [Pla16]. diffusion-convection [GA10].
diffusive [ACM10, ACM1L1, ACM12, WJHW14].
dimensional [AG14, ASS13, AH13, BT17a, BDP16, BC11, CZD15, Cap13, CAN11, CZ18b, CS16, CJI11, CLJ12, CCC1, CW16, CHC+11, CCI10b, CC12, CR12, CvW12a, CvW12b, CHZ18, Dan14, Dan16, Dan17, DG10b, DS11b, DM17, DS13c, Dua10, DO14a, DO14b, FFT+14, Fen12b, dAFdSVM12, Fil13, GTPWL12, HHC+10, HLW16, HCSW10, JEF14, JWCW17, JPM12, Kap12b, KHB14, KS16a, KKP11, KP12b, KYNKN15a, KYKN15b, KH12, KO12, KS12, KRB15, KMA+12, LJS11, LSK17, LWL12, LST15, LLXK16, LQF18, LHH+12b, LJZ+18, LLX14b, LR13, LR16, MEM+11, MKR+12, MSZW11, MNPF17, Müll14a, Naz12, NAQ16, PBE14, QA13a, Qia16, QLE16, Rtv16, Rei11, Rei12, RHC15, RCH16, RGKR17, RWKS15, SFP11, SÖÖN11, SCLW16, SL16, SDJ+12, SJW10, TD14, TTD14, VV14, WC10, WWC+16, WvSL13, XZ12, XZ12, YWX11, ZFH14, ZY15, dHIV2].
dimensional [dTOV18, vRWS14]. dimensionality [BH17].
dimensions [BDDM18, Chr18, DMC10, DKOS14, Exl17, KAvdL11, LA13, MÄWK18, TSM16, dSDO12].
dimer [Ot11]. diminishing [MKU+12].
diodes
[YSN+14]. **dipolar** [KYSV+15, LBB+16, LYSS+16, TZM17]. **dipole** [HMU10, HRC11, RE12, SGDS16, Tan19, TU14, vWB10]. **dipole-dipole** [Tan19]. **Dirac** [MN16, MFS10b, AL17, BB15, BW12b, BBF+10, CPV13, FGLB12, HP14, KCT15, PB16, STK10, SP16, Sta13, TKS10, TKS19, ZF16, dHV10]. **DiracSolver** [TKS19]. **Direct** [LLZ+17, SKH+10, Wei11a, BCM+16, CDS13a, GJ13, LOK+16, LSK+13, ML16, OP12, WBS+18, WAW14]. **Direct-MPI** [WAW14]. **direct-sum** [GJ13]. **directed** [FLP10, QHC+10, dSLF13]. **directed-sum** [GJ13]. **directed-based** [FLP10, QHC+10, dSLF13]. **direction** [LST15, LSK+13, MRL18, NO14, TT14, XYK12, XZ12]. **directions** [Hal17]. **directive** [BCG+15]. **directive-based** [BCG+15]. **directly** [Kon11, Sco13]. **DIRHB** [NPVR14]. **Dirichlet** [RC16, HSD17, Jiwi15b, RC13, RHH12]. **disaggregation** [Bis15]. **disc** [Lan13]. **discharge** [CHC+11, LHH+12a, UBR10]. **discharges** [FK12, HCHW11, KRB15, KSY+13, MRL18, SVG10, SBL16]. **disciplinary** [WSH+12]. **disconnected** [ACD+14a, BCS10]. **discontinuities** [DR12]. **Discontinuous** [SVS19, EW14a, Ein16a, HLLH16, HWS16, LLP15, LLMW17, Maz13, QWZW18, WP10b, YWX11]. **discovery** [LCRL10]. **discrepancy** [VDL+12]. **Discrete** [CR12, EW16, AGMS15, ELDS14, GMRRCME13, GMPFC+14, GJHF14, KV10b, LCH11, LYL+17, MD10a, NMS14, RTAT15, SL17, SLW+15, Sza13b, Sza13a, Sza16, ZAHA10, EW14b, EEGW12]. **discrete-dopant** [LCH11]. **discrete-time** [GJHF14]. **discretization** [CDBM16, DM17, DJ12, MLS10]. **discretized** [HLLH16, JYPA18, LHC+13]. **discrimination** [SL10]. **discussion** [Nem16]. **disks** [TACA15]. **disloaction** [DZ15, MTS+16, Pei18]. **dislocation** [DZ15, MTS+16, Pei18]. **dislocation-simulation** [Pei18]. **dislocations** [PE17]. **disorder** [ABC14, TKP12]. **disordered** [CLJ12, CRNK12, CZN14, Dan10a, Dan10b, JA17, LZL11]. **disperse** [Sic16]. **dispersion** [BSK+18, FMW10, JL10, Kon11, LKA+16, MFH+13, PSB11, PSBT12, Sco13, SB11, SX14, vMB14]. **dispersion-free** [LKA+16]. **dispersions** [ZZ17b]. **dispersive** [CW16, GA013b, HLW16, Ram10, Ram12, Ram14, WWH14]. **displacement** [EDPZ19, UW12]. **displacements** [LS15b]. **dissemination** [LHC+12]. **dissipation** [Fu19, PDJ10]. **Dissipative** [JKBM15, ASPW13, BTL+17, CCWL11, FDZ17, GAHP15, GTS14, MDPTTC17, MNC15, TK14a, TD17, WXW13, WXW14, YLQ+17, BJM15, LBM+14, MDPTK15]. **dissolution** [XHLM12]. **DIST** [Peh18]. **distance** [PDC14, RK19]. **distances** [Raw15]. **distant** [Ste17]. **distant-dependent** [Ste17]. **Distinct** [Cro16]. **distorted** [Bad11, GRLS18, HK15]. **Distributed** [GDThF10, AM14a, BKS15, CL15b, GB11, GBS+16a, IW15, MV11, OLG+16, SOJ14, WMK11, WC13, WAW14, YG12, RP+15]. **distributing** [HWT10]. **Distribution** [CGO17, AMR15, Ber14, BDBV12, CMR17, DCC+10, DSM+11, DRR15, FSF11, FP14, FCC15, Fuk17, GST15, HEF+11, wHw11, LS14, LSDD14,
LN16, MST+18, PN15, PM13, Ram10, SS11a, SSP16, VKLM11, Yan09].
distributions [BT17b, BMF+19, ECSh16, PDC14, Pos18, VSG18, WCT11].
districting [Cho11]. Disturbance [HJGL18]. divergent
[Fen12b, dDYK+18], diverging [LNP+17], diverse [JKG+18], divide
[PA13], divide-and-conquer [PA13], division [MÁWK18]. DMRG
[Alv12, WPĐ+15]. DMTDHF [ZY15]. DNA
[BSC+13, DPK+15, KSH11, MVI+16, Sva12]. DNA-radiation [BSC+13].
DNAD [YB13]. DuaFabric [MVI+16]. DNS [APC+14]. DNSLab [VK16].
documentation [DNP+12, DPW16, KLV15]. doing [GLMG12]. Domain
[BSc15a, IBP+15, ASPW13, APC+14, BS15b, BNO17, CW16, DO14b,
EDPZ19, FRG12, FNPMB10, HJJH17, HE13, HC16, HC17, HKvH16, Hsu11b,
JLM18, JU17, Kap12b, LLQQX19, MRL18, MBFD12, ICD13, MCL+17, Oti13,
QL10, Ram14, SGM18, SVV19, SO19, SW12b, TD14, TT14, VDB14,
WYH19, ZLL13, ZHC16, HKF+12, MCM+12, Wi19].
domain-decomposition [MRL18]. domains
[Bot13, DS13a, GMH19, JYPA18, KSW12, OOK+12, SNB11, SK15].
dominated [Kau13]. dopant [LCH11, SD14]. doped [KAR+15, NS11b, SQL+10].
Doppler [MGA+13]. Dose [RMS+12]. dosimetry [ACdS13].
dot [BMNS14, CL10, KPK+17, YCO15, ZHC16]. dots
[Den10, GWL+17]. double
[CWW10, GC10, GC13, GC16, GC18, MD10a, Ram14, TTG11].
double-dispersive [Roy14]. doublet [ERS10c, ERS10a, ERS10b].
doubling [CL15a, FGLB12]. Doubly [GH11, SEW12, SEW14, WW13].
DPD [MDPTK15, PTMDPK14, SH12a]. DPM [RB18]. Dr [OTC14]. DRA
Drift [DOP17, CEP18, DJ12, EVs14, SISW10, SO19, YXM+13].
Drift-Asymptotic [DOP17]. drift-diffusion [DJ12]. drift-kinetic
[CEP18, EVs14, SISW10]. drive [MTM14]. Driven [Dan10a, Dan10b,
BJC+14, CZ18b, CHC+11, De 11, GTL11, GAB+16, Hin11, HJJ+14,
IBKK11, LDW13, LHJ+15, MiH12, MS11, RHH12, RTT+18, VPM12].
driving [BNAB11, THDH14]. DRoplet [Tom16]. droplets [APC+14].
drosophila [SLC11]. Drude [HLW16]. DSAM [SLLP17]. dsDNA
[AGVP10]. DSMC [JvO17, OF10, TKL+12]. dsmcFoam [WBS+18].
Dual [Gar19, CBGY17, DG10a, LCQF18, VvAV+11b, YB13]. dual-level
[LCQF18]. DualSPHysics [CDR+15]. duct [ZNT15]. due
[Cip13, Eme11, TW11, YXM+13]. dukksFoam [ZCG17]. Duo [YLTS16].
duplicate [LZ+12]. during [Gai17, GTSL+13, XLX+15, YK18, ZBMM11].
[ALS16, Bar12a, DSH17, FRG12, SJ17, SUS+17a, SKSK13, AGMS15,
Bar11a, BS15b, CD12, DF11a, DGMZ15, EDPZ19, HST+11, JOR+12,
KHN19, PE15, Sus17b, Sva12]. Dynamical [KLKR11, LLHC11, AG14,
ADD+12b, ACDdM14, BVC13, BG11, CZ18b, CZ19, Dan11, DT11b, Er14,
KP12a, KI11, LS16, LMAB16, TTS11, WHG+19, Wiel18]. dynamically
[CFCB12]. Dynamics
[AS16, AD15, DRR15, wHwH11, JBKM15, MDPTK15, Ngu17, SBPN15, TD17, WWR+16, ADD+11, ASPW13, ABB13, BS14b, Bar11a, Bar12a, BHS18, BBB+19, BPM12, Bin13, BTL+17, BG14a, BVSG19, BWPT11, BKPT12, BY13, BCG+15, BBV+16, BMDP19, BENK+17, CTT17, CMM14, CLLK11, CXH+15, CKS10, CH11b, DCM+12, Dat13, DLGP10, DEW16, DT11b, DHR14, DS13b, ENEO15, ESM17, FSH13, FCVH17, FRG12, Fil14, FJ19, FFH11, GK11, GM11, Gio14b, GLR17, GNA+15, GAHP15, GTS14, GH15, HWCdM19, Has11, HST+11, HRC11, HG13, HYM11, HXW+13, HLZ+13, HPN18, HBH+17, HWL+17, HM10, HM17, HDM+12, JWL13, JPH+14, JNN12, JNN13, JSLM16, JKIS16, KST14a, KKCC19, KPA+19, KDM11, Kon11, KK17, KS15, KCS+15, KR14, KHN19, KSY17, LGW13, Leó12, LS12b, LHZ11, LLZ+17, LBR+18, LSK+14, LDF+16].

dynamics [LS17a, MDW16, MIW+13, MDPTTC17, MM17, MNC15, MKB+11, MSH11, NBW+15, NBW16, NPG11, insK+15, ÖKC11, OKM12, OYK+14, PR14, PLCC12, QL10, QLE16, RC15, Rap11, RFSF18, RBB15, SV14, SGM18, SBH+14, SL17, SH18, Sco13, SCR17, SOM+13, SM016b, SKM15, SYE+18, SAG13, SJY18, TK14a, TZM17, Tan19, TSTT13, TS11, WJCZ18, WC10, WX11, WXW13, WXW14, WZHE18, WSI13, WSH+14, YWH17, YHCS11, YLQ+17, YK12, Zag14, ZHZ18, ZS13, Zhe15, ZPvR16, BJM15, BHND16, DLGP10, LBM+14].
dynamics-based [ZS13, Zhe15].

DynaPhoPy [CTT17]. Dynson [HB12, HM12b, SAW18].


EasyFeynDiag [XW15]. EBT2 [ACdS13]. EC [MTM14]. ECE [MTM14].


ECSim [GHBL18, GHMB+19]. ECsim-CYL [GHMB+19]. eddy [TMM13].

dege [BMU11, CCLL18, FRFH10, FR15, LDR+17, SCB+17a, SY11, ZDW17, ZFR18]. edge-based [CCLL18]. Editor [Sco13].

Editorial [Ano13a, Ano11a, Ano12a, Ano13a, Ano15a, Ano16a]. education [LPBH11, Mühl14, TN11]. Edwards [FFT+14, SJ17]. EERAD3 [GGGH14].

ef [DIP11]. ef-based [DIP11]. Effect [CHH+11, KSH11, SBL16, AG14,
CFSK14, Kri12, OCL+13, QHZ+14, SWL11, SDJ+12, WBY11]. Effective [BCS10, VLD+12, CLC14, CM15, CGG+14, Cri18, Erm18, GR19, HHC16, IKS19, Job12, LSG+12, Nem16, NRSVW12, ZTG13, ZTG14]. effective-mass [HHC16], effectiveness [SS18]. Effects [iT11, BDK11, DGMZ15, GTSL+13, GR19, HHC16, IKS19, Job12, KZ11, KS16b, KKS18, LHSL14, Liu15a, MDPTK15, OOGP19, PBE14, VV16, WT12, dSVLP13]. Efficacy [HHC16]. efficacy [SS18]. Effects [iT11, BDK11, DGMZ15, GTSL+13, GR19, HHC16, IKS19, Job12, KZ11, KS16b, KKS18, LHSL14, Liu15a, MDPTK15, OOGP19, PBE14, VV16, WT12, dSVLP13]. Efficacy [HHC16]. efficacy [SS18]. Effects [iT11, BDK11, DGMZ15, GTSL+13, GR19, HHC16, IKS19, Job12, KZ11, KS16b, KKS18, LHSL14, Liu15a, MDPTK15, OOGP19, PBE14, VV16, WT12, dSVLP13].
Embedded [BM13, RHH12, DFM+15, Duf16, MKL17, PS14, PP13, SVGS18].
embedding [QJF16].
Emden [CB13b, KMM13, PDRG10].
Emergence [dSVLP13].
emerging [QJF16].
Emden [CB13b, KMM13, PDRG10].
Emergence [dSVLP13].
emerging [QJF16].
Emergence [dSVLP13].
emerging [QJF16].
Emergence [dSVLP13].
emerging [QJF16].
Emergence [dSVLP13].
emerging [QJF16].
Emergence [dSVLP13].
emerging [QJF16].
Emergence [dSVLP13].
emerging [QJF16].
DG10a, DS11b, DZ13, DGST17, DSP15, DM12, Ela13, Exl17, FTI18, Fil13, FGL12, FGG11, GS15, GVS+15, GA10, GG16, GBSY18, GTG+11, GCVA14b, HLS+17, HP14, HC16, HC17, HWS16, HM12a, HAK+14, HJ14, HS14b, HH11a, HDZ14, HCSW10, IKS19, Ixa10, Ixa12, JC16, JL10, Jiw12, Jiw15a, KL17, KH12, KN13, KBSP12, KP14, KR14, KYSV+15, LD10a, LD10b, LV14, LZZL10, LS12a, LCKM14, LLXK16, Lin13, LBB+16, LYSS+16, LY16, MC16, MGL13, MGL16, MC12, MLS10, ML14, MN18, MA11, MM10, MM12, MJKB18, ON12, OILK17, ORS+14, OAKS11, OK14, PSB11, PSBT12, PPA11, PR13, PM16, Pla16, QSC14, RM10a, RHBH15a. equation [RHBH15b, STK10, SVS19, iSYS12, SSB+16, SP16, SP18a, SSH+13, SD10b, SA15b, SB11, SLEF17, SGSG19, TKS10, TT14, Ter17, TY10, TH17, TKZ18, TKS9, UNK12, Ume18, Ume19, VDAH16, VMGP+19, VVB+12, Wil19, XHLUF+18, XZ12, YZ16, YZ19, YK18, YSVM+16, YSMA+17, ZFH14, ZSW+17b, ZDWM17, ZST11, ZCG17, dB14, dHV12]. equations [AAD13, ACCB13, APV10, ABB13, AD14, AD15, ABRD17, AG12a, ABH+19, ADdM12a, ACDdM15, ADdM15, ACDdM19, BSM13, Bar11b, BKOZ16, BCT17, BK11b, BB10, BB13b, BAK+15, BAK+16, BAK+17, BHW+12, CZD15, CR13, CTV10, CB13b, CSJ+17, CKK+13, CBB+10, CM14a, CEF16, DTA10, DT11a, DN13, DM17, DJ12, Dem13, DHJ13, DJ14, DSP15, ENEO15, EW14a, FDZ17, FBHB17, FF11, FSC13, Fon12, GML15, GJ14, GJLB12, GM17, GX15, GMHZ19, HVP+19, HLLH16, HK12, HHC+10, HB12, HMC12b, HCHW11, HII11, JPSS10, JK10, JC13, JC14, JYPA18, JCL+18, Jiw15b, JSLM16, Kan14, KMMC13, KD17, KO14a, KZC+10, Kra10, KI21, Lev19, LBD14, LL15, LST15, LSIZ14, LL12, LL13, SL10, LSIZ14, MDHD18, MJB+10, MWCY14, MZE13, Moh14, ICD13, MNO11, NO14, NO12, PTK15, PDRG10, PTS12, PSL+17]. equations [PE15, QYM11, QA13a, Ras09, Ras17, RBB15, SAW18, SDM+12, SDS+17, SK15, SW14c, SP18b, SCLW16, SMdONF14, Sta11, SSK+13, SL14, TID14, Tia11, TY1+15, VSO+13, VBC+12, VJC12, Wan10a, WZ13, WYSW10, WT15, XWF18, XYK12, YXW11, YTYA17, YQM12, YQM14, Zou18, dHV10, dTV18]. equiangular [ME18]. equidistant [LS15b]. equidistributed [GN14]. equidistribution [DF11a]. equilibration [iNSK+15]. equilibria [CFW17, LC15, MZE13]. Equilibrium [ALC18, BDBV12, BPS+16, DMC+15, FBHB17, Hon10, JBBM15, KSL+11, PLF+12, PBD+15, SC15, Sin11, Sin12a, mZfXL15, dSFdFF13, LZ17]. equipment [MGFRG12, RBG+19]. Equivalence [FD13, Che17, Ram10]. ERKN [CYS12, WYSW10]. ERMES [Oti13]. ERO [MGA+13]. erosion [LNSD15, LDS18]. Erratum [ERS10c, Nat10, SGM11a, Wei11a, Wu10]. Error [BPMM14, PEM19, WS11b, ABH+19, BKV16, CLL16, Cip13, ÇÖSÜ11, Exl17, FMB10, JCL10, Kra17, Kra18a, LS15b, MLS10, MBFB13]. error-controlled [Exl17]. ES2MS [KXK+16]. escape [DS15]. ESI [LZ17]. ESP [SGDS16]. especially [SHW18]. ESPRESSO [BKC+17, MMSF+15, CJ14, HBL+13, JP10, GSZ13, KST14a]. essentially [AAD13]. ESTEST [YG12]. estimates [BK16, KKK+15, LS15b].
Estimating [Asc10, AM17, GFB+10, GGF+13, JCL10]. Estimation [DS15, KTA12, ABH+19, BBBBB17b, DMP18, EVB14, IBB18, SM14, Sha18, TW15]. Estimator [Asc10, SAA+10]. etched [VSG17]. etching [MFG+13].


European [AGL11]. EUTERPE [SSS+11]. Ev8 [RBBH15a, RBBH15b].

evaluate [MNV13]. evaluating [LHJ+15, RLL12, SZC+13, UA17, WDR16].

evaluation [AHK+12, AC+14a, AC13, AG12b, BBB17b, DMP18, EVB14, IBB18, SM14, Sha18, TW15].

Evaluation [AHK+12, AC+14a, AC13, AG12b, BBB17b, DMP18, EVB14, IBB18, SM14, Sha18, TW15]. evaporation [TB14, XLX+15].

Evaluate [MNV13]. evaluating [LHJ+15, RLL12, SZC+13, UA17, WDR16].

evaluation [AHK+12, AC+14a, AC13, AG12b, BBB17b, DMP18, EVB14, IBB18, SM14, Sha18, TW15].

Ev8 [RBBH15a, RBBH15b]. evaluation [LHJ+15, RLL12, SZC+13, UA17, WDR16].

Evolutionary [BK13a, AFZ17, AFZ18, ATCZ19, FLA+16, LZ11a, LZ11b, LOSZ13, SHW18, WIE18]. evolving [FGC+11, PHA18, US16]. EW [BS13b].


Exchange [NHD16, ABC+18, AAB+10b, BKC+17, Boe18, DG10c, GXF+15, GJB11, HW12, IIO16, IFOI18, JJ15, LK15, LKT+16, MOB12, UO15b, UO15a, WISA11]. excitation [BP12, CM15, GVS+15]. excitations [MC17]. excited [BP12, CW15, Er14, GH11, LH11, LMAB16]. exciting [PGD17].

exciton [VBMS17]. exciton-polariton [VBMS17]. excluded [BH+12, CHNS18]. exclusion [BBB10, BBH+11a, LTL+12]. exemplar [JTP15]. exhaustive [TC11a]. ExoData [Var16]. exoplanet [Var16].

expanding [HM12a, LP15]. Expansion [JDG12, PEMS19, AQJ10, AK13b, CSPAD10, Den16, FLW17, GS14, HWG13, HvWT17, HK15, HL13, IKS19, IUM13, KZ14, Per14, Pit12, Pre18, ROS16, SKFP16, SGW17]. expansions [Eks11, GB11, TKR13]. experiment [Aon11a, CKBH11, DDM14, DMH16].

experiment-computing-theory [CKBHN11]. experimental [CRNK12, KSH14, OBM19]. experiments [CHC+11, GSB+14, KD16, DMH16, VLD+12, WJC18]. explained [JKG+18]. Explicit [Bla15, VEB+18, AH13, Ber16a, Ber16b, CW16, DBMR18, DM17, DJ14, FG13, FRG14, KZC+10, KAS12, LCE+13, QSC14, RL10, SCL16, SS10b].
explicitly [LV14, PZY16]. Exploiting [ASPW13, BBV+16, RDN+17, RFSF18, YRR13]. Exploring [CDS+13b, GTS14, Yan11, MG10a, Mi11a]. explosions [BNAB11].

exponent [XZF12]. Exponential [Ert15, PTMDPK14, ZNT15, AQJ10, BCT17, CEP18, GDB10, GH11, Ike18, Moh14, PZY16, Pat12, PH11, Ram12]. Exponential-time [PTMDPK14]. exponentially [Bla15, CFMR10, FG13, Miy15]. exponentially-fitted [Miy15].

exponent [XZF12]. Exponential [Ert15, PTMDPK14, ZNT15, AQJ10, BCT17, CEP18, GDB10, GH11, Ike18, Moh14, PZY16, Pat12, PH11, Ram12]. Exponential-time [PTMDPK14]. exponentially [Bla15, CFMR10, FG13, Miy15]. exponentially-fitted [Miy15].

expressions [Dua12, MBGK11, Zit11]. Extended [FLW10, FMW10, GSI17a, KSL+11, KR16, LS15a, PPHY14, WC15, Wu10, YWYF09, BSM13, BM19, BIA15, BDGM+17, DDH17, DGST17, LWYW11, LW13, Mii11b, Mi14b, iNSK+15, PBL+18, RLM13, WX15, YZWR14].


extragalactic [KOT12]. extrapolation [MC12, dDYK+18]. extrasolar [HTT13, HTT14]. extreme [BY17, DKOS14, NOR15, VV18, WSH+12]. extreme-scale [BY17, WSH+12]. extrinsic [DMC+15]. extruded [NCB18].
Finding [ADdM14, ACDdM19, MLGVE14, Pra17, ZAHA10].


formalism [FWZ+12, KCA+15, MBF+10, THJ+10, VKP14, Voy13]. format [ABC+18, BDKS10, CMSV14, DKOS14, GVPJ18, JTH14, dBCH14, RSSH+10].

Formation [NJ18, BRL12, BSWC14, CGSB18, CHDF10, HKF+12, IBKK11, MTS+16, UIY11, ZZH+16, ZDD+13]. FormCalc [FHH+14]. forms [MWCY14]. FormTracer [CMS17]. formula [ACC17, CMN12, TO10a]. formulas [BCMS10].

formulation [CKT17, CLJ12, CB15b, GS17b, GS17a, HRC11, Kap12a, Kap12b, MMA15, VEB+18, ZDY10]. formulations [Ram12, Ram14, WLU11]. FORTRAN [MCA17, AC16, BS13a, BW12a, BV13, BD14, DET12, DDH17, FGJB19, GH18, GST12, HE13, HM12a, JCL10, KS12, KYSV+15, LZL11, MBGK11, NS11a, PZY16, PG10, Sar17b,SYS12, SSG+10, SSG+18, SHZ13, STY15, STY18, SS10a, SF10, WW14, YSMV+16, YSMA+17, vH10].

Fortran-77 [GH18]. Fortran-based [DDH17]. Fortran2003 [DLW+18]. forward [MAC12, VEM12]. Four [Boy15, dSF18, ARAB+17, BH13, GKM10, GSK17, KMA+12, MBGK11, MGK13, Müll14a, Pik18, SMGK14].

four-dimensional [KMA+12, Müll14a]. four-loop [Pik18]. four-particle [GKM10, GSK17, MBGK11, MGK13, SMGK14]. four-point [BH13].

four-quark [ARAB+17]. Fourier [FCC15, JLW13, AQJ10, AH13, BK11a, BCM+16, CZ17, CZ18a, GMF+17, HbotRC15, KZC+10, LDF+16, MJB+10, PGM14, RWKS15, SS11b, SBvD13, TO10a, Trö11, WLM14, YZ16]. Fourth [BK16a, MC16, XYK12, BIT12, DZ13, HZ11, KMS14, LLXK16, IlsSZ14, NS15, PZZL19, SB11, SS10b, UNK12]. fourth-degree [UNK12].


[ADdM12b, EBCBG17, GTL11, GFB+10, GGF+13, RU13, GGF+13, GES13]. fraction [BMS+16, ZTG13, ZTG14]. fractional [CYN19, Dev12, DS15, GMHZ19, HZ11, JC14, JL10, LLL13, MDHD18, PSB11, PSBT12, SW12b, SMGK19, YQM12, YQM14, BK13b]. fracture [RTAT15, VLM11, VLM11]. fragment [JWCW17].

fragmentation [BG14a, DG16, HK12, MTH+18]. frames [MFS+10a, SS11b]. framework [AKH+18, Ano11o, CMC+15, CEZ16, CPWZ18, CFS13, CFFR15, DMC+15, ESM17, DRI+16, GVR19, GBFJ14, HMR14, HMI12b, JEC+12, JNN12, JNN13, KEH12, KSTR15, KSH14, KPOR18, LFKD18, LDD14, LS14, LS15a, LRW+15, LRP12, MLR10, MGFRG12, NBM+15, NPVR14, PGO17, RBG+19, RM14, SV14, SSX14, Sit18, SJ11, SP18, Sva12, TOB+14, TE18, TVT+16, VEB+18, WVF14, ZZH+16, ZHL11, CF16, FCC15].

Free [ACMM10, Gen10, VS19, AK15, ACTP15, BCT17, CCD+16, CGM17, CP15a,
CPCDdM18, CXH+15, CZF18, CPR12, Deu16, DFM+15, Duf16, DGG13, FYK18, FS17, FLE19, FBHB17, FM15, Gio18, Hon10, HS16, HHS+10, JPCG15, JCL+18, KT12, KST14a, KH12, LKA+16, LF12, LWES18, MRL18, McM17, MSS+16, ORI+10, PIH11, QZWU19, DMH16, RJLL16, SA14, UA17, Wil15, WPV14, XD16, Zaq14, ZOZ13, ZPH+15, Zhe15, ZMCT12.


freedom [Er14]. Freeze [BBG+18]. Freeze-in [BBG+18]. Frenkel [AMM11]. frequencies [KMD12, RAY14, RJ12, YFAT17]. Frequency [HC17, BDGM+17, GLAC13, GB14, Hsu11b, KMD12, KM17, KSY17, LY16, LAG+17, MCP+11, Oti13, PP13, Ram10, SV10, TS16, TIM+16, TUY15, WCT11, YZWR14, MCM+12]. Frequency-domain [HC17, MCM+12].

FRESHS [KBT+14]. Fresnel [JTP15, VLZ17]. FRET [EBDM17, HG13].


Fuchsia [GM17]. fuel [AZM14, BCP+16, NGC1+12, VS19]. Full [DNP313, AM14b, BMU11, CL15a, CRB14, CFF19, Dan11, DGS+19, FYK18, FEH11, GAB+16, HETF12, JBG+17, KGG+16, Liu15a, LWES18, PBMD12, PCGM14, Wie18, YTYA17, ZY15, RSSH+10]. full-[GAB+16, DGS+19]. full-field [Wie18]. Full-Metadata [RSSH+10]. full-orbit [CF19, PCGM14]. full-potential [LWES18, PBMD12].

full-torus [KGG+16]. full-wave [FYK18]. fullerene [RM14]. Fully [LOL+18, LWES18, FVH18, HHS+10, KRB15, PN15, Pik18, SSB+16, VVB+12]. Fully-implicit [LOL+18]. Fully-relativistic [LWES18].

FUMILI [Sit14a, Sit14b]. FUMILIM [Sit16]. function [AQJ10, AKR15, AK13b, ACDD19, BH11, BSGG10, BK16b, Cha16, CDL+12, DCC+10, DN18, DM17, DdMN16, Fen12a, Fen16, FM12, GST12, GGG+19, JAB12, JAB13, JAB15, JAB19, JLM18, KDM11, LSF14, LKL11, Lec18, LHS14, MR13, OKP10, PLF+17, Pla16, PM13, Raw15, RMC16, SS11a, SGS19, TTT16, Web12, X13a, XHD15, YTYA17, ZF15, ZDM17].

function-velocity-magnetic [YTYA17]. function/orbital [SGSG19].

Functional [BC10, DBB12, GS17b, GS17a, LT15, VCMS+13, ASA18, AKZ+13, BB11b, CTD10, CXH+15, FSC13, GWA+17, GBR+14, GSZ13, HB12, HHS+10, JCW+13, KT12, KCT15, KKL+18, KSBS19, LSR+17, LS11, MGRB11, MOB12, MSS+16, MC17, OOK+12, OT11, RHC15, RCH16, Roh16, RWKS15, SCS17, SHB+12, SA14, TVGB15, VBS+17, WX14, WLY16, YLY17, YRR13]. functionality [CB15a, CB17]. Functionally [WT15]. Functionally-fitted [WT15]. functionals [GBR+14, LR+15, MOB12, NPAD11]. Functions [CGO17, ARAB+17, AWK+16, BCC+18, BDBV12, BMW14, BKK13,
general-relativistic [KMA+12]. generalised [BBC+13a, Fuh15]. Generalized [JPH+14, NLSJ17, SVGS18, BDV11, Brá15, BKK13, BKM14, BK15, BK16b, CC16, DBB12, Ert15, Fen12a, Fen16, GV15, GS14, GTG+11, KMM13, KMSJ16, LJE11, LS12a, ILsSZ14, MBFD12, ICD13, PH11, PA13, RJLL16, RLMI3, TC11b, VMGP+19, BD12, MCCR11, MN16, Wil19].

generate [AM14a, ZLLP17]. generated [BD10, MVI+16, MSS+14, VKS16, WSO+12]. Generating [Bjö11, CB13a, MMT+11, Mis12, WWR+16, AZ17a, AZ17b, KFF+16, Mis13, RM14, Rom15, SGDS16, WW12].

Generation [CC10a, JTH14, BJBC+14, BS11, BS13a, BS14a, BJCW13, BL18b, Bor14, BGL+14, CF16, DCM+12, FMRP16, Fer15, Gio18, GBS16b, HBP+15, HMU10, MV11, DPHB17, PLF+17, Rei10, SG15, Sem16, XWhZ13, YFAT17, ZS13, vH18].

GENerator [CF16, GAGW16, AFIS12, AOK15, AhPSV15, BCMS10, BCJW13, BBO19, CWW10, CUL+17, CK18, CI11, CK19, DIR+19, DKT14, GP13, Gin10, HLD13, Kas14, KRW13, KYKN15a, KYKN15b, MO14, NCS17, ÖY13, RVDS16, RDVS18, Sav15, Sha13b, Sha16, TU14, Tom16, XW15, YWW13].

generators [ASPW13, BS13a, CKS10, Dem11, MZ14, Mis13, SS13a, Sib17, SAE+16, TC11a]. generic [Ano10n, HL18, JJ15]. genes [SCW+11]. Genetic [SKH+10, SKK11, Bru13, Hon18, TTT16].

Gennes [SP18a]. genus [Bog16]. GENXICC [WW13]. GENXICC2.0 [CWW10]. GENXICC2.1 [WW13].

genes [ASPDL+16, BMU11, DPK+15, GLZ17, GSB+14, KA18, KH12, KQYH17, LJZ+18, SR12, WWVB11].

geophysical [VKS16]. GeoViS [Mul14a].


Glauber [RBB14]. GLISSANDO [RBB14]. Global [MTS+16, PPS10, WM14, AddM16a, AddM16b, BY17, CDdM14, CJJ+17, DGS+19, FLK13, GAB+16, KTE+12, KHKR14, KTA12, KSY13, LQQX19, LY14, SK10, TBZ12, VPP+12, VHP+15, WLH+12, WLS13, ZFR18].


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[DN13, KZC+10, AH13, DG10a, DG10b, Eba13, GMHZ19, JPM12, LD10a,
MD10a, Pål12, PTS12, RM10a, SW14c, diHV12]. GPELab [AD14, AD15].
GPGPU [LYZ13, ÖN14, PQTGS17]. GPGPU-accelerated [PQTGS17].
gprMax [WGG16, WGG+19]. GPGPU [LYZ13, ON14, PQTGS17].
AD14, AD15. GPGPU-accelerated [PQTGS17].
gpmax [WGG16, WGG+19]. GPScan.VI [Fer15]. GPU [AKS17, BS1a, BWB+17, BKOZ16, BP11, BFPP12, BB+13, BBS14,
BLS17, BD10, BVP10, BTL+17, Boe14, BTC+17, CCL18, Cap13,
CMVRB+14, CMVVR16, CHNS18, CCL18, CSSB15, CRLS18, CBYG18,
CRB+17, CLB11, DRR16, DS13a, DCVB+13, DCGG13, DGG13, ELDS14,
ELL+17a, Exl17, FFT+14, FGC+11, FDWC12, Fil13, FBN+13, FOB+15,
Gai17, GP13, GJ13, GLHG12, GHR+16, GB17, GCC+18, GJ18b, Ham11,
HWX+13, HPN18, HW12, Ihn12, JK14, JPCG15, JX17, JCW+13,
JWCC17, KKP11, KP12b, KO12, KO13, KO14b, Kom15a, Kom15b,
KO16, KMA+12, LYP14, LCC13, LGW13, LSYZ12, LP15, LVRQ16, Lut15,
Lya15, MDW16, MAWK18, MMP14, MFM15, MHR+13, MTH13, NHD16,
Ngu17, OP14, PR14, PLD15, PBS+17, PKRS16, RD10, Sai10, SGN17,
sYS12, Sie16, Sni16, SKM15, TL17, TS19, TCCV18, TDL+14]. GPU
[TPC16, WXW14, WGG+19, Weil1b, WSH+14, Wil19, WC13, WA14,
XLX13, YHL11, ZSW+17b, ZPS+18, ARYT17]. GPU-accelerated
[ELDS14, GHR+16, TL17, WXW14, BTL+17, Cap13, CRB+17, DS13a, GJ13,
Ham11, HWX+13, MHR+13, Ngu17, PBS+17, XLX13]. GPU-acceleration
[GCC+18]. GPU-based [Boe14, CMVRB+14, FDWC12, JPCG15, KO12,
Kom15a, KMA+12, LCC13, PKRS16]. GPU-centric [Sie16]. GPU-code
[EZBA16]. GPU-enabled [LYP14]. GPUQT [FVH18]. GPUs
[BL18a, Boe18, ACD+14a, AAT17, AEKO18, BS14a, BCDI12, CMVRB+14,
CB13a, CSBO13, CWY+17, CBB+10, CSV+18, CH11b, CBB14, Dat13,
Dem13, DSP15, ECD+10, FGG11, GNA+15, GJB11, GM18, HTJ+16,
HAIH13, HLZ+13, LQ18, SlLsL+13, MR14, Maz13, MRS15, MOK+11,
ON12, PVK+17, RK19, SV13, SOON11, SAN18, TK14a, TCP13, WXW13,
WAHL13, WRR18, WM14, YL12, YBK+11, YBN13, JB1M16].
GPUs-The [HLZ+13]. gpuPHASE [WMRR17, WRM19]. GR
[OK12, OK18]. Grad [HS14b, SVS19]. gradient [AG12a, CR12, EFK+19,
HbotRC15, HKV10, JHL+15, KN13, SEG15, WX14, ZYL+19].
gradient-based [HKV10]. grading [vSG+18]. GRADSMHD
[VKP14]. grain [LFKD18]. grained
[AGVP10, AMJ18, Brul13, ESM17, FPY+17, PA13, SM19]. graining
[GB11, MNL19]. Grand [AS16, PLCC12, Sit18]. Grand-Canonical
[AS16]. grand-canonical-like [PLCC12]. granular
[CNS+18, GTPWL12, KPPC13, RU12, San11]. graph
[ASTT16, AOK15, Bro14, SSBS15, ZLLP17]. graph-theoretic [SSBS15].
graphene [CW16, FUSH14, GZL14, Ihn12, KLKR11, LHS14, OCL+13,
RFS18, STT11, SPY11, SWL11, TMA+15, WQ18]. graphic
[Fil14, GLB13, RPL+14, RLGM1+11]. graphical
[CF16, DS11a, GWM13, GLR17, LAS+17, TUY15, Zlo13]. Graphics
[Dem11, APRG11, BDVS11, BK11a, BHS18, BJCW13, CDS13a, Co14,
Hierarchical [Hoh18, Roh16, CB15c, DAW+19, KN13, MCWJ15, OKM12, QJF16, ZMvE+13]. hierarchical-gradient [KN13]. Hierarchies [JJB11]. hierarchy [GGG+19]. Higgs [EMW19, ERS10c, AC17, BGM+14, BM19, BBH+10, BBH+11a, BHZ13, CGG+14, DDKM15, DLM18, ERS10a, ERS10b, FEH11, HP17, HLM13, KKSY18, MGS13, SAE+16]. Higgs-mass [HP17]. HiggsBounds [BBH+10, BBH+11a]. High [AAA+16, AQJ10, BCT17, BvH15, Ein16a, GS15, Gai17, GBFJ14, HvWT17, JTW+17, LWL12, LSR+17, MF17, MD10b, ML16, DPHB17, NS15, NO12, PHA18, RHW+12, SA15b, SMGK14, TY10, WGVPL17, AAD13, AAD14, AH13, BDT15, BDKS10, BH14a, BCH17, BCDP18, BWPT11, BKPT12, BY13, BMG+15, BDGM+17, CFMR10, Cap13, CNS+18, CIZ18b, CMJ+11, CD12, CL15b, CR12, CBG17, CBY17, DBMR18, DPW11, DRR16, DJ11, DM17, EZB16, ECD+10, EGT+18, FTH18, FG13, GLAC13, Gar19, GA10, Hah12, HEWP13, HYM11, JH11, JVR12, K15, KSYY13, LV15, LM16, LWZ14, Liu15a, LJD+19, LWJ18, LAG+17, LLX14b, MMD+17, MTE17, MA19, Mi16, MS15, MLK+17, ML19, MNO11, PE17, PVK+17, PG10, Qia10, RRCSCJ10, RLS16, SHW18, Sch14b, SHZ13, SLK19, SCNJ18, SC+18, SP18, Tia11].

High-accuracy [AQJ10]. high-density [HYM11]. high-dimensional [CMJ11]. high-entropy [PE17]. high-frequency [BG+17]. high-intensity [JTW+17, LSR+17, DPHB17, AAD14]. high-nuclearity [DDR16, RRCSCJ10]. High-order [BCT17, MF17, MD10b, RHW+12, SSH+13, SA15b, TY10, AAD13, AAD14, Cap13, DBMR18, DJ11, EGT+18, FG13, GA10, K15, LV15, LWZ14, LWJ18, MA19, MLK+17, ML19, PVK+17, Qia10, Tia11, V16, WWS10, WRR+16, XHLUF+18, ZH14, ZH14, ZNT15, DUBL16].


Highly [CH11b, LB15, MTM13, MGR16, PF19, dSF18, BY17, GRLS18, HBP+15, MS10, MLS10, SEW12, SEW14, WQ18, WDR16, YBY13]. highly-efficient [WDR16]. Hiking [Br15]. Hilbert [ERPFLS15, SA15a]. Hilliard [LLX16, YZ19]. Hirshfeld [EPP12]. histocompatibility [HFSK12]. Histogram [FLE19, CMRVRR+14, CMRVRR16, GGG+19, Sha18, VK14].
Histogram-free [FLE19]. histograms
[AMR15, Gag12b, Gag12a, GH18, RK19]. HMC [CDS+13b, KP12a]. HNLS
hologram [BGL+14, JTP15, MSS+14, WSO+12]. holograms [BD10].
holographic [FBN+14, holography [MSI+10, ZSW+17a]. HoMnO
[KAR+15]. homogeneous
[Asi10, BK11b, MSHLS15, MSHL17, PN15, SCNJ18, SLEF17, vMB14].
homology [DS13c]. Homotopy [CS10, PSBT12]. honeycomb [MHHL11].
Hooke [RGKR17]. Hopf [Bor14]. hopping [LM19]. horizontal [ME18].
Horn [BK15]. Horn-type [BKM14, BK15]. Horner [KPVvdH13].
HOS [DBLF16]. HOS-ocean [DBLF16]. Hoshen [FKH15]. hosphe
[CDTV10]. HOTB [GSMK17, SMGK14]. Houches
[ABB+14, BBC+13a, MHA+12]. Householder [NLS17]. hp
[BCM+16, LWL11, Roh16]. hp-fRG [Roh16]. HPAM [EPP12]. HPC
[DDJC+19, CCdC+11, GBK+12, HL18, OLG+16]. hPIC [KC18]. HPL
[Ma12]. HRMC [MHV17]. HRMC_1.1 [OPO+11]. HRMC_2.0 [OPSR13].
HRMC_2.1 [OPR14]. HTC [CCdC+11]. Hubbard
[KLO+19, MHHL11, SA15a, SH12b, US16, WDL11]. Huge
[WS13, BMC+11b]. Huge-scale [WS13]. Hut [WSH+12]. Huygens
[VLZ17]. Hybrid
[BCTP18, GJLB12, KS18, LRW+15, ML17, OPR14, SS+16, SS11b, TH17,
VCMS+13, WDL11, WLZN17, YHL11, dIRM18, AAD14, BM+11a, BD12,
BT17a, BWPT11, BKPT12, BY13, BMDP19, CW16, CL13, DCU+19, ES11,
FG14, GVL+17, GC12, Gni19, Gwi12, HLW16, JTN+11, Jiw15a, KK13,
KKL+18, KCS+15, LCY+11, LHC+13, LHH+12a, LSZ12, M1+12, MM17,
MKU+12, MS+17, MJKB18, PZL19, RTT+18, SZ15, SP18b, SS13b, SPS10,
SYE+18, SGSG19, TFBW14, WGLY18, WC13, WAW14]. HYDRA
hybrid-symbolic [SZ15]. hybridisation [SKFP16]. Hybridizable
[SVS19, HLLH16, LLP15, LLMW17]. hybridization
[AK13b, HWG13, SGW17, VPP+12]. hybridizations [SGW17]. hybridizes
[LM19, YLLY17]. hydraullic [WNYP17]. Hydrodynamic
[MOD13, BOGL17, GZW17, KB14, LCH11, LW11, WSH+14, ZD15].
hydrodynamical [NAQ16, QA13b]. hydrodynamically [ACP+14].
Hydrodynamics [CDR+15, FHTO17, GRLS18, KLS16a, DCVB+13,
DCGG13, EKK14, GLB13, GCH+18, HLS+17, HPN18, JXTS16, KPPC13,
MRS15, RH17, RAA10, SC15, SC61b, SN16, WWR18, dIRM18].
Hydrogen [WBY+11, BP12, BH14a, BH14b, BH16, BKS15, JTT11, LH11,
MFS10b, SW14a]. hydrogen-like [BP12, MFS10b]. hydrogenic
[PG10, Sar17a, Sar17b]. Hydrokinetic [MBS+10, BBF+13].
hydrothermally [CLY11]. Hylleraas [JH15]. Hyper [GGF+13, GES13].
Hyper-Fractal [GGF+13, GES13]. Hyperbolic
[AOK15, AAD14, BB10, CM17, DJ11, Ert15, Jiw15b, PKT15, RD10].


Implementation [AS16, Alv12, BKOZ16, BDPM15, Boe18, BF10, DPK+15, GSZ13, GGG+19, GES13, GFJ+14, HP17, IIO16, IFOI18, LLG17, MWI+19, MPB10, MFG+13, MBGV15, NBN+14, RV10, REBS16, SSX14, TIM+16, VDB14, WP10a, Ara14a, Ara14b, AKS17, ADdM12a, APC+14, Bad11, BJWC13, BCJW13, BH16, BVS19, BW15, BG14b, BENK+17, CKT17, CFCB12, CL15b, CGJ14, CGG+14, DEMM19, DA16, DCVB+13, DM12, FGC+11, Fow18, Fri14b, FHH+14, GS17b, GS17a, GVS+15, GHBL18, GB17, HWG13, HOFOP15, HLZ+13, HDM+12, JWJL12, JK14, JWCW17, JJ15, JKIS16, JP10, KFS17, Kap12a, KKG+15, KBSP19, LKM+16, LB+14, LHZ11, LK15, MBF+10, MSS+16, MTM13, MNPF17, MAIVAH14, NPAD11, ON12, dRPL11, PBMD12, PML16, PMS+15, PIH11, QLE16, RRRSCJ10, RU12, SL16, SCC+12, SSF+17, SBPN15, SLK19, Sni15, TKP15, TS19].

DBMR18, FZR19, HCHW11, IBP⁺¹⁵, JCL⁺¹⁸, KKG⁺¹⁵, LOL⁺¹⁸, LST₁⁵, LHH⁺¹₂ᵇ, MIW⁺¹₂, MWI⁺¹⁹, NFD⁺¹⁹, NLSJ₁⁷, RC₁⁵, SS₁₃ᵇ, SC₁⁵, SHL⁺¹₁, TT₁₄, WG₁₆ᵇ, XWF₁₈, XYK₁₂, XZ₁₂, YLKN₁⁷, ZSW⁺¹⁷ᵇ.

implicit-explicit [CW₁⁶]. implicitly [WWS₁⁰]. importance [HLL₁₃, KTB₁₇, LLX₁₄ᵃ, SK₁₀, dHGCS₁₁]. important [rJmYT₁₁]. Imposition [MDPTTC₁⁷]. improve [FZ₁⁶, SCM₁₃, WW₁₂]. Improved [AK₁₃ᵇ, BKC⁺¹⁷, CZL⁺¹₁, GV₁⁵, Jab₁₃, KCT₁₅, KO₁₆, LRLK₁₃, NNSW₁₅, RGH₁⁰, SSF⁺¹⁴, WMK₁₁, WPD⁺¹⁵, ADdM₁₆ᵇ, BW₁⁵, CKLM₁₀, CddM₁⁴, GCF⁺¹⁷, GST₁₂, HKH⁺¹₁, KDM₁₁, KPPC₁₃, LJD⁺¹₉, MGO₁₃, MS₁⁴, MBFB₁₃, Nat₀⁹, Nat₁⁰, RLS₁₆, RJLL₁₆, SWL⁺¹⁵, SD₁⁰ᵇ, TD₁⁷, WZS⁺¹₁, WW₁₃, War₁⁶, XD₁⁶, vdSM₁₆]. Improvement [ADdM₁₆ᵃ]. Improvements [PLF⁺¹⁷, SSS⁺¹₁, Tan₁⁹]. Improving [AKK⁺¹⁸, ADdM₁₅, HHC₁₆, KPVvdH₁₃, SGM₁₁ᵃ, SGM₁₁ᵇ, CMRVVR₁₆, KK₁₇, Pit₁⁰].

DIP11, DM17, Ixa12, KZC+10, MIW+12, MKS10, NS15, WXL13.

NIK+12a, Ots11, RV10, Sai10, STK10, STA18, SD15, Sch14a, SV13, SLZ16, Sin12b, SH16, TKS10, TS19, UA17, WLG+13, Wan16, WLU11, XLCW14, ZKG+18, BLPP13, BCS10, GTSL+13, MWL+10, SSF+17, vds13, vdsM16.
lattice-Boltzmann [CRA10, FKH15, MOD13, Maz13, TS19, SSF+17].
lattice-Boltzmann/finite [CRA10].
lattices [BG11, CCW10, FLP10, HML11, LCCC11, MKV11, SOON11].
layered [SLqS13].
layers [BG11, CCW10, FLP10, HML11, LCCC11, MKV11, SOON11].
layers [BG11, CCW10, FLP10, HML11, LCCC11, MKV11, SOON11].
launched [SLqS13].
Laura [BGH+18].
Laurent [Per14].
Lauricella [BK16b].
law [JAS17, SB11, UW12, WCT11].
laws [AAD14, DJ11, MWCY14, SW12b].
Lax [MWCY14].
Layer [LV15, GGI+13, GLW14, JHL+15, Ras09, Ras17, SVV19, WTH15].
layered [Bot12, CZF18, CL15b, DV11, LF12, MPSV15, PP13, SVGS18, VCD16].
LayerOptics [VCD16].
levels [dSVLP13].
left [Ber16a, Ber16b, LSCZ11, Liu13, AG12a, DSPJ10, Kra11, LWW10, Wan10b].
least-square [DSPJ10].
least-squares [AG12a, Kra11].
left-right [REBS16].
legacy [BCG+15].
Legendre [MSR10, MS15, SSG+10, SSG+18, SPS10].
Lemon [DRUE12].
length [SBB+17, UYY11].
Levy [YZZ+17].
LHC [BDDM18, CUL+17, DDK+15, KSTR15, QGLP13].
libCreme [RLL12].
LIBERI [TO10b].
libraries [BV13, GAC+17, dALM+12].
Library [TO10b, Asl14, BS11, BS13a, BS14a, BDJS18, BCPS11, BCR14, BBD+19, BMS+16, BFD+11, COK19, CE CCS16, ÇÖSÜ11, Cri18, CGH+11, CKJR11, DDB+17, DDH17, DRUE12, DLW+18, Ehn16b, GGI+13, GP13, GVPJ18, Gru11, GhvSF14, GBS16b, HAV+14, HM12a, HvAS+13, Ike18, ID18, JCL10, KvdO11, KPV16, LS16, MW12, MOB12, MD11b, MCAF14, MV11, MG10b, Müll11b, Müll14b, MGR16, NGC+12, PQTGS17, Pos19, RDC+18, RLL12, Sai13, Sch18, SWS+12, SPAW17, TM14, ZE11, ZE16].
Libxc [MOB12].
lidar [SSP16].
Lie [ACDdM19, FK15, HR11, JC14, Naz12].
LieART [FK15].
life [GMH11].
lifted [XWF18].
ligands [PDC14].
Light [NSH+19, SKML11, BF16, CKLM10, EW14b, EW16, HHT14, KOT12, LN16, TMD11, WLL11b, ZSW+17a, Ziö14].
Light-Matter [NSH+19].
light-wave [BF16].
lightest [DML+16].
lights [SJW10].
like [BP12, Fri17, HSD17, HH11a, LBM+14, LB11, LB12, MFS10b, NVV+13].
PLCC12, SQA+15, WJCZ18, XLL15, ZRS12]. LikeDM [HTY17].
Likelihood [HTY17]. LIMAO [SJY18]. LIME [DRUE12]. limit
[CM14a, CEF16, DDK+17, HLM17, MMO+17]. limitations [CSV+18].
Limited [BR11, CH11b, KdMvO14]. limiter [AAD14, KGG+16]. Limits
[BCTP18, LCR10, BBB+18]. line [MKMK10, Ruf13, SCM+16, Zlo13].
Linear [AG12a, BMU11, MW12, OOK+12, YÇO15, AS11b, ABF19,
BMC+11a, BMC+11b, BCT17, CFSK14, FUSH14, FVH18, FR15, GBP13,
GCHL15, HDF+19, HRCl1, HHS+10, Jan10, JYPA18, JWCW17, Kan14,
Kap12a, Kap12b, KBB+17, KBSP19, MJB+10, MBGY15, PR14, RWKS15,
SK12, SLEF17, SS10b, SPP19, SJY18, TC11a, VBS+17, YZ19]. linear-
[SJY18]. linear-scaling [FUSH14, FVH18, KBB+17, RWKS15].
linearization [CLF18, MBFB13]. Linearized [KOK17, AM14b, CSPAD10,
DKSG16, GBS18, IH11, KAW+10, ILSZ14, PBMA12]. linearly
[ASTT16]. linear-scaling [FUSH14, KBB+17, RWKS15].
Linearized [KOK17, AM14b, CSPAD10, DKSG16, GBS18, IH11, KAW+10, ILSZ14, PBMA12]. linearly
[ASTT16]. Linearised [KOK17, AM14b, CSPAD10, DKSG16, GBS18, IH11, KAW+10, ILSZ14, PBMA12]. linearly
[ASTT16]. liquid [FBP+14, JHH+19, MSH11, Sin12b, SA14, TW11, WJCZ18]. liquid-like
[FBP+14, JHH+19, MSH11, Sin12b, SA14, TW11, WJCZ18]. liquid-like
[WJCZ18]. 
Liquid [WJCZ18]. Liouville
[LV10, MGRB11, TVGB15]. Liouvillean [Add12a, ACD14]. lipid
[FPY+17]. liquid
[FBP+14, JHH+19, MSH11, Sin12b, SA14, TW11, WJCZ18]. liquid-like
[WJCZ18]. LiquidLib [WJCZ18]. liquids [WJCZ18]. List
[ANO10a, ANO11b, ANO12a, ANO13a, ANO15a, MRZ10, HAN+16,
KH19, LY10, ZHZ18]. Lists [KKK+17, ABR12, WRR18]. LiteRed
[SS13c]. Liviu
[Pat12]. LNL [MRZ10]. load
[BS15b, EZBA16, EDFZ19, FRG12, FN17, GFM+17, OCF10, SKSK13].
load-balanced [EZBA16, OCF10]. load-balancing [BS15b, FN17]. loaded
[Pra11]. Local [CW19, CHD10, LWZ14, PR12, WHG+19, AMJ18,
ABH+19, DG10b, DKG+14, GWL+17, KTB17, KL14, LMY+17, LJWK11,
LKT+16, MS14, NKS15, QWZW18, VPP+12, Wit14, XWF18, YYT+15].
localised [MYP+14, SPMM11]. Localization [dsFDF13, HW11, OCM+19].
localization-delocalization [HW11]. localized
[BAF18, KAW+10, NGM+10, PVK+14a, PVK+14b, PMVG16, RCG16].
locally [CZD15, LLP15, RC18, ELL+17]. location [CS17, PP13]. Loewner
[SW11]. logarithmic [PPY14]. LONE [CB16a]. Long
[DV11, Boe14, BAF18, BENK+17, CHZ18, DS11b, ERP15S15, Fil13, Fil14,
HM17, Sm16, tT11, WWVB11]. long-range [Boe14, Fil14, HM17, tT11].
Long-time [DV11, BENK+17, CHZ18]. long-wave [DS11b]. longitudinal
[KB15a, Qia17]. look [JLA+14]. lookup [CGX+19]. Loop
[ADH+17, DL1U18, ABB+16, ABB+14, AMRD17, ANO10c, BU11,
BGH+14, BBH+18, BH13, BHC13, BHT15, CEZ16, CGH+11, DHH17,
DNS13, Fen12b, FEH11, GLZ17, HFL12, KKS18, LS17b, MWW15,
Mey18, Pat15, Pat17, Per14, Pik18, St11, YoDH+12, dDYK+18, vH11].
loop-corrected [BGH+14]. Loopedia [BBH+18]. Loophole
[DM16]. loops [AKH+12, ACD+14a, BCS10, Pre18].
LOPT [Kra11]. Lorentz
[CdFDS16, MFST10a, Ume18, Ume19]. Lorenz
[BH11, CDMCN11, GSMK17, GBRB11, GCVA14a, Hoh18, HM18, JK13, LW13, DPHB17, NCHN15, NLSJ17, PB16, TC12, dHV12]. **Matrix**
[BK11b, DBK14, JWC18, ZLL18, ABB16, ART17, APV10, AC13, Bot12, CNMC10a, CLJ12, CPWZ18, CK12, DN18, Des16, GZL14, GJ18a, HCRD14, HD17, IH11, JZJ18, KK16b, KH12, Lee18, Lev19, LJB16, MiH12, MGK13, Mill16, MSRL10, NBN14, NPM16, PO14, QJF16, Ram12, RGH10, Sai13, Sar17a, Sar17b, SD15, Sha13b, Sha16, SD10a, SA11, SDL16, TK14b, USOA13, VvAV11b, VvAV11a, WPAV14, WWR16, BD12, BR13].

**Matrix-element** [Sha16]. **Matrix-exponential** [Ram12]. **Matrix-free** [KH12]. **Matter** [NSH19, BBB11, BBPS14, BBPS15, BHN16, CCM12, FT118, HBL13, HTY17, HCM19, IKS19, Jab17, LRC11, MKB11, ONS15, SBH14, WJCZ18].

**Maximal** [Maz13]. **Maximally** [KAW10, MYP14, NGM10, PVK14a, PVK14b, PMVG16, SV13, SPMM11].

**Maximally-localised** [MYP14, SPMM11]. **Maximum** [LLG17]. **Maxis** [LJZ18]. **Maxwell** [BSK18, BB13b, CSJ17, CKK13, CEF16, Dem13, FE11, HLLH16, KO14a, LV15, LLP15, LYX17, SCLW16, VV16, VV18, YXT15].

**Mazdziarz** [MLK19]. **MBE** [AH13]. **MBPT** [KPST15]. **MC** [BFK12, JOR12, SM19, GWP11, LRC11, WS11b]. **MC-TESTER** [DGPW11]. **MCC** [SBL16]. **McCormack** [Sza13a]. **MCdevelop** [SJ11]. **MCgrid** [BHS15, DHS14]. **MCMC** [BG13b, BLG14, Bon15, Bon16, VVM17]. **MCNP** [Car10a, Car10b]. **MCNP5** [SCB15]. **MCNPX** [LL15]. **MCPL** [KKK17]. **MCS** [LLE18]. **mcsanc** [BS13b]. **mcsanc-v1.01** [BS13b]. **MD** [FMRP16, HBH17, TCCV18]. **mdFoam** [LBR18]. **MDMC** [BG14a].

**MEAM** [DFM15, Duf16]. **MEAMfit** [DFM15, Duf16]. **Mean** [LS15b, BG11, DB16, DBP19, EPB16, NPVR14, QJF16, UW12, WHG19, dB14].

**mean-field** [BG11, DBP16, DBP19, NPVR14, QJF16, dB14]. **mean-square** [UW12]. **means** [ACMM10, DAW19]. **measure** [ABCM14, LLX14a].

**measured** [Kon11, Sco13]. **measurement** [AK13b, BJM15, CDSG11, LLQX19, PR13, RBG19]. **measurements** [EBDM17, ERPDFLS15, FBH17, RF10, RBG19, SW12b, WLM14]. **measures** [HLL13, RLL12]. **measuring** [ICPD16]. **Mechanical** [Voy13, AMM11, AYDY11, DGMZ15, LV13, RC11, SZ15, Sin11, Sin12a].

**Mechanics** [LS13, JZJ18, KV10a, OML11, ORC17, PGO17, RK11, RU12, STT11, SU18, ZF15]. **Mechanism** [GAG16, BUJ15, BNAB11, CHDF10, CGV13, ÇÖSÜ11, JJHG14, YZZ17].

**mechanisms** [CFR15, GAG16]. **Mechanistic** [ORS14]. **media** [BJ11, CNS18, EZBA16, HZW19, HSF15, JA17, MPM14, MAIVAH14, OP12, SVGS18, SGNL17, Ser10, TMD11, Ző14, vMB14]. **mediated** [HLS12].

**medium** [BI11, PP13, SM14]. **Meep** [OR10]. **MEKS** [GLS13]. **melting** [YK18]. **membrane** [CZN14, FPY17]. **membranes** [PDC14]. **memetic** [VHP15]. **Memory** [MR14, BKS15, CL15b, CSV18, DGMZ15, DK14, IW15, LP15, LL15].

Mesh
[HS14a, AWK+16, BCH11, BKPT12, EGT+18, FXZ+14, GX15, HCC14, JG16, JFC12, JCL+18, KC14, KYKN15a, KYKN15b, LJWK11, LH18, LWRQ16, McM17, PZZL19, RHBH15a, RHBH15b, UBR10, VLM11, ZD15, CZF18].

mesh-free [JCL+18, McM17]. meshes [ASGLK10, AK15, FXZ+14, LA13, OCM+19, SP18b, YWX11]. meshing [ZPH+15]. meshless [DG10b, MM12, SBPN15].


METHEs [RF16]. Method
[BUJ15, EW16, GHBL18, Les16, TGH+16, ZLL18, AM14a, AM14b, ARYT17, AS11b, ADDM16b, ASS13, ABDR17, AG12a, ACDdM19, AAJA14, BOPL17, BBL+13, BM13, BF16, BBB+17a, BK11a, BH14b, BH16, BW12b, BR14, BHT19, BT17b, BL18b, Bis15, BH11, BMW14, BCM+16, BMNS14, BPFMS16, BIT12, BHND16, BENK+17, CZ18a, CL15a, CB13b, CAN11, CSPAD10, CSZ10, CL10, CJLJ12, CW13, CTL15, CW16, CS17, CSL+13, CKK+13, CB15d, CvW12a, CvW12b, Cor14, Cou13a, Cou13b, CNS+14, DZ15, DEMM19, DT10, DG10b, DT11a, DM17, Den10, DKSG16, DCU+19, DA16, DMC10, DCGG13, DBFL16, DFM+15, Duf16, DO14a, DO14b, EBCB+14, ELDS14, EKK14, EFK+19, FGGM11, FS17, Fen12b, FKB12, FNPM10, FBN+13, FPY+17, Fu19, FJ19, FN17, GC12, GZL14, GML15, GBP13, GA15, GA10, GGG+19, GCH+18, GWY+10, GB17, GMHZ19]. method [HE13, HV15, Ham11, HC16, HLLH16, HSD17, HKvH16, HDZ14, HJGL18, HHC+10, HWW12, HLW16, HM18, HI11, Ixa10, Ixa12, Jal10, Jan10, JK14, JK19, JWCW17, JLM18, rJnYT11, JOR+12, JGAL+13, JLM13, JCL+18, JPM12, JK13, JU17, KMS14, KK13, KU10, Kap12a, Kap12b, KCN18, KKG+15, KGFS18, Ki10, KL17, KO14a, KL11, KN13, Koi15, KDM11, KA17, KAS12, KPST15, Kra10, KZ14, KMJS16, KR14, KSW12, KOK17, KSY17, LOL+18, LLHC11, LM19, LLQX19, LX12, LM16, LLG17, LHJJZ10, LSCZ11, LCCC11, LHC+13, LST15, LLMW17, LCQF18, LJKWK11, LHH+12b, Lin13, LSK+13, LTP+17, Liu11, Liu13, LLZ+17, LOK+18, LJD+19, LLX14a, MCWJ15, MD11a, MDHD18, MiH12, MIW+12, MRL18, MST+18, MSPD12, MRZ10, MC12, MH18, MBFB13, MK10, MNPF17, MMY+19, MM10, MM12,
method
[NZQL14, NCB18, NS15, NAQ16, Nis11, NMS14, OYK+14, OPO+11, OPRS13, OPR14, ORI+10, OT11, PHA18, PSBT12, PAS11, PS14, PDRG10, PR13, PB2AD12, PEM19, PGD17, Pit12, PS11, PSP16, PB16, QM10, QYM11, QA13a, QWZW18, QDZ\+13, Qia10, QwWL\+15, QLN14, Ram10, RVA14, RC17, Ras09, Ras17, Raw15, Raw16, RVDS16, RLS16, RDVS18, RMS\+12, RH17, RA10, Sal16, San15, SW13a, Sch14a, SEW12, SEW14, SW14b, SSF\+17, SNB11, SCS12, SDS15, SD14, Ser10, SW14c, SD10b, SS13b, SA15b, Sied16, SmdONF14, SHL\+11, SBvD13, SS10b, SCG11, SDL\+16, SSKK13, SL14, SPSP18, SP19, Sza13b, Sza16, TSI16, TD14, TZM17, TT14, TFBW14, TC11b, TKP15, TY10, Tia11, TT11, TW15, TJK18, TDL\+14, UO15b, UO15a, VdLF14, VK14, Wan10a, WX11, WLZM12].

method [WZ13, WM13, WLGY18, WN10, W119, WP10b, XHLUF\+18, XWF18, XZ12, XLL15, XLX\+15, XD16, Yam16, YLO13, YBN13, YS17, YTYA17, YQM12, YQM14, ZAH10, ZFH14, ZPH15, ZO13, ZSW\+17b, ZWLZ17, ZKG\+18, ZX10, ZS13, ZC12, ZST11, v1SM16, CC10b, CC12, EW14b, EEW12, SV18]. Method- [Les16]. Methods [EVB14, EBCBG17, PVK+17, ARAB+17, ACCB13, ABB13, ABCM14, AH13, ABH+19, AD1M15, BCH11, BB15, BH17, B1a15, BBE\+10, BB10, CFMR10, CDBM16, CH19, CYS12, CS10, Col14, CHZ18, DIP11, DMP18, DN13, DF11a, DLW\+18, FL10, FMW10, FHT17, FG13, F14a, GBN17, GSKM14, GSKM15, HVP\+19, JLA+14, Ji15b, KSF17, KKL+18, LM1C15, LD10a, LV10, LWYW11, LLP15, LW14b, LHGF18, LY16, LG+17, LL12, MCP+11, MCG11, MKS10, MM11, DPH17, PMW15, PMMF15, RL10, RHH12, SZ15, SV19, SEG15, SW12a, SW13b, SO19, SC16b, SB12+12, SS18, SAN18, SPP19, T12i2, TE18, TVT+16, TXZL15, WC10, WXL13, WWC\+16, WLH\+12, WY19, Wu10, WW10, WT15, XJS16, XHM12, Y16, YWF10, YZZ11, YXY11, YJK11, ZW15, ZTG13, ZTG14]. metric [WN10]. Metropolis [AIG16, GM14, MP11, PM14, ZDD+13]. MeV [Pos18]. MFIE [ZDW20]. Mg [HH11a]. Mg-like [HH11a]. MH [HSK12]. MHD [Ras17, BT17b, FD17, FXZ+14, JFC12, LC15, ML17, PE15, R19, VKP14, ZO13, ZNT15]. NIC [NBW16, RB18, BBS14]. micro [BD10, HSL\+17]. micro-currents [HLS\+17]. micro-manipulation [BD10]. Microcanonical [AM15, FD13]. micr0cavity [VBMS17]. micro-engineering [MFG+13]. microfluidic [JHH+19]. micrographs [Nov17]. microgrid [CLH+17]. Micromagnetic [CF16, FCC15, EFK+19]. micromagnetics [T10+16]. micrOMEGAs4.1 [BBPS15]. micrOMEGAs5.0 [BBG+18]. micrOMEGAs 2.4 [BBP11]. micrOMEGAs 3 [BBPS14]. micrOMEGAs 4.3 [BBB18]. micromotors [AD11]. micron [BHNS17]. micron- [BHNS17]. microquasar [Lan13]. microrheology [BDG\+17, OOG19]. microscope [TCK+15]. Microscopic [VCD16, AMM11, BPB+17, Gen10, R12, VSO+13]. Microscopy [MAC12, BDG\+17, CRB+17, DG10, MH17, SSM+17, ZSW\+17].
microturbulence [PDJ10]. microwave
[CGSB18, HKF+12, KRB15, WWC+16]. MICs [SAN18, Mie
[ESM17, LPRPR17]. Miedema [ZZH+16]. Mif [CF16]. Migpore [SM14].
migration [SM14]. Milestone [SV14]. millions [CUL+17, GJ18a]. Mills
[CJ12, HAH13, SD15]. Milne [RM10b]. mine [BBV10]. Minghui [San15].
mini [SCJH19]. mini-application [SCJH19]. Minimal
[Asi10, AAT+14, ABdA15, AC17, AMRdA17, BDDM18, FMW10, KKSY18,
Laz15, MKS10, Ray10, AB10, DET12]. minimization
[CB13b, Cor14, EFK+19, Sit14a, Sit14b, Sit16, WX14]. Minimizing
[LM12, CM10a, Wal11, YLK10]. minimum [DO14a, TW15]. minisweep
MIST [BBB+19]. MITHRA [FYK18]. Mitigation [YXT+15, SKH+10]. mix
[WG12]. Mixed [AG12b, CBB+10, JOR+12, LX12, LGW13, ONS+15,
RC13, RC16, RHC15, RCH16, TC12, dTOV18]. mixed-basis [ONS+15].
Mixed-precision [AG12b]. Mixing [PM13, CBGY17, CBGY18]. MIXMAX
[Sav15]. mixture [SLK19]. mixtures
[GZW17, SD10a, Sza13a, Sza16]. mKdV [MM12]. MLFMA [GMC18].
MLMD [IBP+15]. MM [MSMF+15, PSMS14, PSMS15]. MM/PBSA
[PSMS14, PSMS15]. mm_par2.0 [OKM12]. MMAPDNG [LL15]. MMKG
[ZLP17]. MMMonCa [MBRV+13]. MMTK [BCFR15]. MNPBEM
[HT12, Hoh14b, Hoh18, WTH15]. Mobile [Sal12]. mobility [LZL11].
Möbius [BNO17]. MOC [TGH+16]. modalities [Che11]. MODAR
[Car10a, Car10b]. Mode
[TZK16, DKT14, Hsu11b, LRK13, SVGS18, SDL+16, TKZ18]. Model
[BM19, Dan10a, Dan10b, Degr15, KPA13, NHH16, TD11, VKL11, AMM11,
ABdA15, AMRdA17, AGVP10, AKK+18, ALC18, AGB+15, BDT15,
BHNS17, BT17a, BCP+16, BSC+13, BM16, BPMM14, BVP10, Boc14, BB12,
BS12, CCD+16, Cas12, CPCdM18, CLC14, CM15, CL10, CCWL11,
CCXC15, CKCS13, CB16b, CL13, CEP18, DCC+10, DS10, DDK+17, DT11b,
DT18, DDK+15, EGT+18, EPB+16, ERS10c, ERS10a, ERS10b, FLZ+18,
FFT+14, FXZ+14, FLP10, FDWC12, Fon12, GTS+13, GZW17, Grl10,
GFJ+14, GCHL15, GLW14, GRT10, Ham11, HFOPF15, HDF+19,
HDM+12, IUM13, JEP14, JTW+17, KYM+17, Ker17, KKP11, KKKC19,
KAvdL11, KM17, KV10a, KO13, KS12, KLO+19, LOL+18, LGW13, Leò12,
LWL11, LWL12, LF14G, LX14, LB15, LLX14b, MHHL11, MD11a, MH11,
MEG12, MNC15, MSA+11, MFH+13, NCHN15, NFI17, dRL11]. model
[dRAPL11, Ots11, Pa12, PBE14, RTAT15, REBS16, SZY+12, SZY+13,
SGM11a, SGM11b, STA18, SAA+10, SFP11, SH18, SJ17, SMJ17, SBPN15,
SK12, STY15, STY18, SA15a, SLK19, SYD17, SO19, SLR+11, Sin12h,
SH12b, SVG10, SS10a, SA+15, SCB17b, Sta10, Sta14, SW11, SV12,
SSBS15, Sza13a, TU14, TIMM13, TW11, US16, VS19, VLM11, WR16,
WDL11, WSTP15, WWVB11, WCT11, XZF12, XLCW14, XLL15, Ym16,
YK10, YFAT17, ZZ15, ZXL16, ZZZ+16, ZZD+16, ZLM12, ZYL+15, ZCG17,
ZKS+18, ZFR18, dSdO12, dSFDFF13, dSLF13, dSVLP13, dSF18, vMB14,
ABC⁺¹⁸, AB₁₀, BCPS₁₁, BCP₁₃, DET₁₂, DG₁₆, HLM₁₃, KPV₁₆.

**Model-Driven** [Dan₁₀a, Dan₁₀b]. **Modeling**

[CLW₁₁, wH₁₅, TJH₁₇, AD₁₁, BOPL₁₇, Bar₁₁b, BMNS₁₄, BMZ⁺¹₈, CSJ⁺¹₇, CL₁₁, CFFR₁₅, Dan₁₂, EZL⁺¹₆, EDPZ₁₉, EKK₁₄, FZY₁₇, Gai₁₇, GGI⁺¹₃, HV₁₅, Hak₁₆, HDF⁺¹₉, HCHW₁₁, IP₁₄, Jahl₁₉, JGC⁺¹₁₁, KEH₁₂, KPA₁₃, KM₁₀, KRB₁₅, KMSI₁₆, KGNS₁₀, Lan₁₃, LZZL₁₀, LHH⁺¹₂b, LTL⁺¹₂, MPS₁₃, MN₁₈, NGC⁺¹₂, OBPL₁₉, OP₁₂, PBF⁺¹₆, PE₁₇, Ram₁₀, Ram₁₂, RAV₁₀, SGNL₁₇, SLC₁₁, SN₁₆, SHL⁺¹₁, Sol₁₁, SCG₁₁, Sva₁₂, TPK₁₂, Uty₁₄, VBMS₁₇, VCD₁₆, WGVPL₁₇, XHLM₁₂, ZE₁₁, ZE₁₆].

**modelings** [Hon₁₈].

**Modelling** [AGB⁺¹₅, CC₁₆, HdM₁₆, IBKK₁₁, Ano₁₀n, AMR⁺¹₈, CdLOL₁₉, DBD⁺¹₇, HKF⁺¹₂, Kra₁₈b, MDPTK₁₅, MRSD₁₅, MSML₁₀, OBH₁₀, ORS⁺¹₄, Org₁₅, RF₁₅, RLMGM⁺¹₁, TN₁₁, Van₁₅].

**Models** [Rei₁₁, Rei₁₂, AS₁₁a, AC₁₇, AABC⁺¹₃, AG₁₂a, AH₁₃, AhPSV₁₅, ABH⁺¹₈, AC₁₅, AC₁₆, AC₁₈, BW₁₆, BBC⁺¹₃a, BR₁₃, BHT₁₉, BKM₁₁, CECGS₁₆, CZ₁₈b, Che₁₇, DCM⁺¹₂, DNPS₁₃, ELDS₁₄, FW₁₁, Fil₁₃, FD₁₃, Fuh₁₅, HLL₁₃, HvWT₁₇, HCH₁₆, HVMR₁₀, HKVR₁₀, ID₁₈, KÖG₁₇, KO₁₄b, KO₁₆, KST⁺¹₄b, KTA₁₂, LLMW₁₇, MLGVE₁₄, MST⁺¹₈, Mur₁₄, NEW⁺¹₈, NJS₁₄, NAQ₁₆, PS₁₂, QA₁₃b, RK₁₁, RDN⁺¹₇, SLZ₁₆, SH₁₆, SOPS₁₂, Sus₁₇b, TSTT₁₃, TVZ⁺¹₅, WG₁₂, Wan₁₆, Wei₁₁b, XLX⁺¹₅, YZ₁₉, dlRAPL₁₁].

**Modern** [HdM₁₆, BS₁₄a, CDSG₁₁, Ein₁₆b, HBL⁺¹₃, RK₁₁]. **modes** [ALSW₁₄, CS₁₇, HSK⁺¹₂]. **modifications** [RL₁₀]. **Modified** [LYL⁺¹₇, NIK⁺¹₂a, ZLL₁₈, BKN⁺¹₇, DFM⁺¹₅, Duf₁₆, FZY₁₃, GSZ₁₃, Jiw₁₅b, KMS₁₄, LM₁₉, LCQF₁₈, MS₁₅, Ras₀₉, Ras₁₇, SMJ₁₇, SBvD₁₃, XHLUF⁺¹₈].

**Modular** [CFW₁₇, Giu₁₉, Sin₁₁, Sin₁₂a, DLGP₁₀, FWS⁺¹₇, KP₁₆, KSH₁₄, Kro₁₁, TCK⁺¹₅, Zag₁₄]. **modulated** [TTG₁₁]. **modulation** [Kap₁₆, OCL⁺¹₃]. **module** [DF₁₁b, DGST₁₇, GST₁₂, LRK₁₃, SK₁₂].

**modules** [AAB⁺¹₀a]. **moduli** [Bog₁₆]. **MOLDY** [ADD⁺₁₁]. **Molecular** [AS₁₆, DLGP₁₀, Fil₁₁, FFIH₁₁, GM₁₁, HLZ⁺¹₃, LS₁₇a, MTS₁₁, MKB⁺¹₁, Ngu₁₇, SBPN₁₅, SYE⁺¹₈, TD₁₇, ZS₁₃, Zhe₁₅, ADD⁺₁₁, Bar₁₁a, Bar₁₂a, BHH₁₁b, BBB⁺¹₉, BPM₁₂, BKS₁₅, Bin₁₃, BG₁₃a, BG₁₄a, BWPT₁₁, BKP₁₂, BY₁₃, BCG⁺¹₅, BBV⁺¹₆, BMDP₁₉, CTT₁₇, CMM₁₄, CXH⁺¹₅, Col₁₄, DEW₁₆, DES⁺¹₁, DRR₁₅, ESM₁₇, FSH₁₃, FCVH₁₇, FRG₁₂, FP₁₄, Gar₁₉, Gio₁₄b, GLR₁₇, GNA⁺¹₅, GRR⁺₁₄, GJFH₁₄, HST⁺¹₁, HYM₁₁, HXW⁺¹₃, HAN⁺¹₁₆, HBH⁺¹₇, HWL⁺¹₇, HVMR₁₀, HKVR₁₀, HM₁₇, HDM⁺¹₂, JW₁₁, JPH⁺¹₄, JTT₁₁, JKI₁₆, KRM⁺¹₉, KST₁₄a, KPA₁₃, KKC₁₉, KDM₁₁, Kon₁₁, KKS₁₈, KS₁₅, KHN₁₉, LGW₁₃, LS₁₂b, LHZ₁₁, LK₁₅, LLZ⁺¹₇, LBR⁺¹₈, LRR⁺¹₇, MDW₁₆, MGRB₁₁, MM₁₇, Min₁₁, MSR₁₁, NBW₁₆, NFA⁺¹₆, NB₁₇, NPAG₁₁, NSK⁺¹₅, OKM₁₂, OYK⁺¹₄, PLCC₁₂, Rap₁₁, Rei₁₁, Rei₁₂, RKGC⁺¹₁₇, SMOB₁₉, SG₁₈, Sco₁₃].

**molecular** [SOM⁺¹₃, SC₁₆₆, SOM₁₆b, SCM₁₄, SCM₁₃, SAG₁₃, SA₁₄, TS₁₁, VBG⁺₁₀, VK₁₄, WJCZ₁₈, WZH₁₈, WSI₁₃, YK₁₂, ZBG⁺¹₆, ZPH⁺¹₅, ZZH₁₈, dBCH₁₄]. **molecular-continuum** [NFA⁺¹₆, NB₁₇]. **molecular-dynamics** [HYM₁₁, MSH₁₁]. **molecular-hydrogen** [BKS₁₅].
molecule
[ART17, CNMC10a, CNMC10b, EY11, EBDM17, Faw10, LJSW11, WG16a].
molecule-fixed [CNMC10a, CNMC10b]. molecules [AKV18, BRH16,
CRNK12, DVB11, FS17, FCCFR18, GNT17, Kobl3, LRR+15, MGB18,
PZY16, Sit18, TC11b, WFM14, Yan11, YLTS16, ZYZ15, ZZ15, ZMCT12].
molgw [BRH16]. Møller [KK14a, KBB+17]. MolSOC [CL14]. MOM
[LHC+13]. moment [KKG+15, LLX14a, MMA15]. moment-independent
[LLX14a]. moments [DBP19, MSR+17, MK19, RE12, SVGS18]. Momentum
[HHC+10, BAK+15, BAK+16, BAK+17, DSM+11, EUT+15, HKJ+12,
MGB18, MMT+11, Trö11, Wei99, YK18]. Momentum-time [HHC+10].
monolayer [OCL+13]. monopolar [ZDWY10]. monosized [AYDY11].
monotonic [SC15].monotonically [HRC11]. Monte
[AIG16, CK19, HKZN17, JPSS10, KLO+19, MBRV+13, NSXZ14, OPO+11,
OPSR13, TDL+14, Urb18, WLZN17, ZTG14, ZDD+13, AFIS12, ASGLK10,
AK15, ABB+14, ASPDL+16, Aoi10o, AK13a, AK13b, AMJ18, BKV16,
Bar11a, Bar12a, BDP16, BVP10, BG11, BMW14, BG13b, BLG14, Bon15,
Bon16, BMDP19, BENK+17, CGX+19, CL11, CL15b, CKS10, CNS+14, CI11,
DSHS17, DGPW11, DEMM19, DPK+15, Dem11, DDKM15, DKT14,
EBDM17, ES11, FGGM11, FLE19, FW11, FDWC12, GA15, Gin10, GSB+14,
GWF+11, GB17, HBE10, HMR14, HP11, HWM+15, Hua17, IUM13, JLA+14,
JA17, KOT12, KEH12, Kan14, KRW13, KC14, KKK+17, KNS+17, KSW15,
KPVvdH13, LS14, LS15a, LS15b, LLE+18, LWL11, Lut15, MP11, MRZ10,
MEM+11, MW14, MHR+13, MMY+19, NPA11, NHD16, NSH18,
NCL18, NM14, OPR14, PZL+19, PEM19]. Monte
[PM14, RF16, RMS+12, RV10, RV11, RB18, SI11, SGNL17, SFP11, SL16,
SHT18, SMJ17, SM19, SD14, SKFP16, SLZ16, SSF+14, SKM15, SKS13,
TJG12, TVZ+15, Tic10, Tic14, TKP12, TU14, Trö11, UKKB19, UA17,
VK14, WRFS15, WDL11, WST15, WBS+18, WvSL13, WT12, WWVB11,
YWOD19, ZBG+16, ZLM12, ZTG13, dSF18, dHGCS11]. Monte-Carlo
[DPK+15, LS15a, NBC18, PEM19, SM19, UKKB19]. MonteCUBES
[BFM10]. MonteGrappa [TVZ+15]. monteswitch [UA17]. MoBiS
[ZBG+16]. MoBiS-PMC [ZBG+16]. morphing [ZF15]. Morphological
Moshinsky [XMLC16]. most [BS14a]. Mosyagin [Ma19]. motile
[HPKF15]. Motion [KB15a, BMG+15, HH11a, MF17]. Motion4D
[MG10b, Müll11a, Müll14b]. Motion4D-library [MG10b, Müll11b, Müll14b].
motors [SKM15]. moves [AMJ18, RV10]. Moving
[YJK11, AKKK16, DCU+19, JvOK17, KS16a, LP15, NHS15]. moving-grid
[DCU+19]. MP2 [KK14a]. MPBEC [VPM16]. MPI
[ARYT17, ART17, BW12a, BCM+16, BCT+17, DRUE12, EZBA16, Hin11,
LYSS+16, OLG+16, OKM12, SSB+16, SCJH19, TKP15, WAW14, YHL11].
MPI-based [OLG+16]. MPI-driven [Hin11]. MPI/GPU [EZBA16].
MPI/GPU-code [EZBA16]. MPL [Bog16]. MPLS [NHS15]. MPPhys
multi-soliton [Pål12]. multi-species [DGS\textsuperscript{+}19, NNWS15]. multi-spin [BVP10]. Multi-step [Ume19]. multi-strategies [FSJ\textsuperscript{+}16]. multi-structural [ZMPT13]. Multi-symplectic [CZS10, HDZ14, ZST11, QSC14]. multi-user [GBC\textsuperscript{+}18]. multi-zone [Yi11]. multiband [Bot12, HHC16]. multiblock [HdM16]. multibubble [WSi13]. Multicanonical [KI11, BB13a, FLE19, GZWJ18, SN11, ZMJ13]. multichannel [GMRHRCME13, HBP14, NF17]. Multiframe [SGDS16]. Multigrid [ABF19, FZR19, BKOZ16, FN17, TH18]. Multilevel [MCWJ15, OL12, ZZHG18]. Multilevel-skin [ZZHG18]. Multimode [Bra15]. Multiparticle [HPN18, WSH\textsuperscript{+}14]. Multiphase [ZLFM11, HSF\textsuperscript{+}15, LOK\textsuperscript{+}18, MPM14, NHSY15, TSK\textsuperscript{+}17]. multiphoton [TC\textsuperscript{11b}]. Multiphysics [ZLFM11]. Multiphase [GHK19]. Multiple-Relaxation-Time [Yin17]. multiplicity [Car16]. multiplier [AQJ10, TC\textsuperscript{11a}]. multiply [BG\textsuperscript{13b}, BG\textsuperscript{14a}, BLG14, Bon15, Bon16, WLG\textsuperscript{+}13]. multiply-charged [BG\textsuperscript{13b}, BLG14]. Multipole [CC\textsuperscript{10b}, CC12, GB11, GCH\textsuperscript{+}18, Ham11, LCQF18, LCHM10, LCHM13, OYK\textsuperscript{+}14, TSM16, YBK\textsuperscript{+}11, YBNY13, ZHS10]. multipoles [EPP12]. multiprecision [Sai13]. multistage [SEG15]. multiscale [AKH\textsuperscript{+}18, CH19, CZ18b, HBL\textsuperscript{+}13, KFS17, KK13, RLBC\textsuperscript{+}14, SMO16b, ZOZ13, ZZG\textsuperscript{+}16, CHZ18]. multispin [FFT\textsuperscript{+}14]. multisymplectic [CWS14]. multithreaded [TV10]. Multivariate [CSR13, KPVvdH13, LR18a, LR18b, vH10]. MultivariateResidues [LR18a, LR18b]. multivariational [SP16]. muon [NBC18]. muons [BCSM10]. MUPAGE [BCSM10]. Muse [Liu14]. mVMC [MMY\textsuperscript{+}19]. mVMC-Open-source [MMY\textsuperscript{+}19]. mxpfit [lke18]. myFitter [Wie13].

N [CKFB12, CDTV10, GBD10]. N\textsuperscript{2}HDE\textsuperscript{2} [EMW19]. N\textsuperscript{2}HDM [EMW19]. Nabarro [PE17]. NAMD [JPH\textsuperscript{+}14, BW15, JJ15, MPB10]. NAME [MFH\textsuperscript{+}13]. names [WCT11]. nano [HST\textsuperscript{+}11, HEF\textsuperscript{+}11]. nanodevices [HEF\textsuperscript{+}11]. nano-friction [HST\textsuperscript{+}11]. NanoCap [RM14]. nanochannels [SS11c]. nanoclusters [FSJ\textsuperscript{+}16]. nanodevices [CLL16].
MSPD12, MPM14, RTA10, Ser10, WAW14, WZS+18, ZDWY10, ZSW+17b].
NPB [Yi11]. NPS [EBDM17]. NRMC [SGNL17]. NSBC [Bab14].
Nt_STM [MAC12]. NTPoly [DN18]. Ntuples [BDC+14]. Nuclear
[DBP19, VCM5+13, ASA18, AANAJ12, BNV18, BBC+13b, CDTV10, Des16,
DPB16, GG16, GFJ+14, GBJ+15, PDL+18, SZY+12, SHZ13, SAY+18, Shi16,
SUS+17a, Tom16, ZSW+17b]. nuclearity [DRR16, RRCSCJ10].
nucleation [JJB11, RDP14]. nuclei [Bab14, DT11b, DML+16, GC10, GC13,
LMAB16, NPVR14, PUO14, WSI13]. nucleus [GC18, WR16].
null [HLW16]. null-space [HLW16]. nullity [YE14a]. number
[ASPM13, BS11, BS13a, BS14a, BJCW13, BCJW13, CBGY17, CBYG18,
Dem11, FP14, GP13, GBS16b, Kan18, LS15a, LNP+17, Mis13, Sav15, SS13a,
Sib17, SCM+18, TC11a]. numbering [BBC+13a]. numbers
[BS13a, BCJW13, Nog17a, Nog17b, UO15b, YB13, ZOZ13, ZNT15].
Numerical [GBRB11, KCA+15, LRW+15]. Numerical
[ASEA14, ACCB13, ALSW14, AD11, ACM12, AH13, ADdM+12b, BBUY13,
BCH13, BHJ+15, BMNS14, BS12, BvH15, CMJ+11, DG10b, DGS+19, DR12,
FGLB12, Fis12, Fuk17, GG16, GLX+14, HKSW10, HK12, HML11, HW11,
HB13, HL13, Ixa16, JL12, JLM18, JPM12, JK13, JHL+15, KFS17, KM10,
Krii2, LMRC15, LD10b,LS14, ILsZ14, MT13, MIW+13, MFS+10a, MC12,
MM10, PTK15, PBF+16, Qw-WL+15, RC15, RAV11, RJ12, RGKR17, SW12b,
TGuvS19, VBMS17, Wie13, XJS16, XYM+13, YdDH+12, ZFH14, ZDWY10,
ZW15, dHV12, AS11b, AB10, AGH+16, ACMM10, ACML11, AAT17, BK16a,
BSK+18, BCM+16, BhJ+18, CL10, CLL16, CvW12a, CvW12b, CFFR15,
DMP18, DCC+10, DCM+12, Dat13, DS13a, DBD+17, DN13, DM17, Den10,
EZL+16, EVB14, FSC13, Fuh15, G HvDL11, GV15, GA10, GN14, Grit11].
numerical [GSKM15, GM14, GMHZ19, HAV+14, HVMR10, HCSW10, Ixa10,
JK10, JTN+11, JWL13, Jiw12, Jiw15a, Ker17, KZ11, KL17, KKL+18, KAS12,
KBS19, KST+14b, KP14, LV14, LK12, LXY+17, LHH+12a, MD11a, Mar15,
MN16, MA11, ML16, NGCI+12, PAS11, PMMW15, PVK+18, PQTGS17,
PO14, PHi10, PE15, PJ10, PB16, RM10a, RM10b, RLS16, Sal12, SKB10,
SL18, SL17, SH18, SW14c, SS11a, SD10b, SS13b, SK14, SST11, Sni14,
SAS11, SPS18, SCG11, TTK13, TTM17, TFBW14, TO10b, VLD+12, WX11,
Wu10, WL11b, XLL15, YZ16, YWY09, YX+15, YXT+15, Zi16a, dBi4,
dYK+18, vMB14]. numerically [BMBC+17, DGST17]. numerics [TK14a].
NWChem [LSK+14, VB+10]. nx [BFD+11]. NSXG4 [KB15b]. Nyström
[FG13, KMS14, KAS12, WW10, YZR14]. Nyström-tree [YZWR14].

O [ADH+17, CJH11, LS11, Maž19, CKFB12, DRUE12, GGI+13]. Oasis
[MVS15]. Object
[CB15a, CB17, CB18, Asl14, BFD+11, CDMCN11, CJ12, CFFR15, DM12,
HHP+16, OKM12, SL16, WP10a, Zag14, CF16, FCC15, MBRV+13].
Object-oriented [CB15a, CB17, CB18, Asl14, BFD+11, CDMCN11,
CFFR15, DM12, OKM12, SL16, WP10a, Zag14. **objective** [AZM14].

**objects**
[AKKK16, CGJ14, GGF+13, GSC+16, JvOK17, KCS+15, OL12, Ser10].

**oblique** [CÖSÜ11, VDB14]. **Obrechko** [SS13b].

**observables**
[AM10, AM11, BBPS14, MKV11, Mur14]. **observations** [BVC13].

**observatory** [BPMM14]. **observed** [UIY11].

**obstacle** [OK14]. **obstacles** [KL11].

**obtain** [CLB11, EBDM17]. **obtained** [LS19].

**obtaining** [LP15, Liu13, MNPY14, MYP+14].

**ocean** [DBLF16, DBLF16]. **OCTBEC** [Hoh14a]. **Octree** [FGC+11, TE18]. **Octree-based** [FGC+11]. **ODE** [HKSW10]. **ODEs** [KV10a, NO12].

**oblique** [BP15, Liu13, MNPY14, MYP+14].

**obstacle** [OK14].

**obstacles** [KL11].

**obtain** [CLB11, EBDM17]. **obtained** [LS19].

**obtaining** [LP15, Liu13, MNPY14, MYP+14].

**ocean** [DBLF16, DBLF16]. **OCTBEC** [Hoh14a]. **Octree** [FGC+11, TE18]. **Octree-based** [FGC+11]. **ODE** [HKSW10]. **ODEs** [KV10a, NO12].

**oblique** [BP15, Liu13, MNPY14, MYP+14].

**obstacle** [OK14].

**obstacles** [KL11].

**obtain** [CLB11, EBDM17]. **obtained** [LS19].

**obtaining** [LP15, Liu13, MNPY14, MYP+14].

**ocean** [DBLF16, DBLF16]. **OCTBEC** [Hoh14a]. **Octree** [FGC+11, TE18]. **Octree-based** [FGC+11]. **ODE** [HKSW10]. **ODEs** [KV10a, NO12].
RBB15, TKP15]. **OpenFOAM**
[CL13, DBMR18, LBR+18, LNSD15, MTE17, SSX14, WBS+18, ZCG17].

**OpenFOAM(R)** [JHH+19]. **Opening** [JWC18]. **OpenMM** [BCFR15].

**OPENMP** [OKM12, CBYG18, GSMK17, KT10, LYSS+16, SSB+16, YHL11, YSVM+16, YSMA+17]. **OpenMP/MPI** [LYSS+16, SSB+16].

**OpenPhase** [TSK+17]. **openPSTD** [HKvH16].

**OpenSMOKE** [CFFR15].

**opensource** [MGR16]. **operated** [LM19].

**operating** [SC14]. **operational** [dlHV12].

**operations** [CB18].

**operators** [Bra15, LYL+17, SD10a].

**Opinion** [YH15, CHDF10, IBKK11].

**OptaDOS** [MNPY14].

**OpTHyLiC** [BCTP18].

**optic** [FNPMB10].

**Optical** [AWK+16, Ost10, AM14b, APRG11, AKV18, BF16, BD10, BG11, BGL+14, BMG+15, CM15, CCL15, CS17, CCW10, CSL+13, DSS+12, FE11, GGG16, HCRD14, HWCH11, HHT14, LCCC11, LLMW17, MNPY14, NJS17, OCL+13, PM14, SSM+17, VEB+18, VCD16, WX11, WQ18, ZHCR18, ZYL+19].

**Optics** [NSH+19, Dem13, KAH18, SWS+12].

**Optimal** [FBHB17, KKCC19, CNMC10b, DJ14, FSF11, FJ19, Hoh14a, Ike18, MFS+10a, PSBT12, RC18, SH18, XLL15].

**optimality** [KL14].

**optimisation** [HWCdM19].

**Optimised** [IZRT15, RWKS15, We12, BCTP18].

**Optimising** [Rei10].

**Optimization** [BS14b, DF14, DCG13, FGR14, MCY+16, SG15, ACdS13, AZM14, BS15a, BR11, BPS+16, CM10b, CLH+17, CJJ+17, CXG+19, DBJ11, FSJ+16, DRI+16, GWF+16, GD14, Has11, HWL+17, HJL+14, HVMR10, HKVR10, JKG+18, KPA13, KKP11, KHKR14, Kra11, KUV15, KL14, LM19, LHL16, LCR10, MR14, MBGV15, PCVZ11, QwWL+15, RMS+12, RLL12, SH18, SWL+15, SZM+14, SKH+10, TTT16, VvAV+11a, VPP+12, VHP+15, Wic18, WLZN17, XLCW14, YZZ+17, YLYL17, ZBBM11, ZvPr16, Zio14, vRSW14, PE17].

**Optimizations** [iSYS12, WRFS15].

**optimize** [TVZ+15].

**Optimized** [Cha16, CF17, DRR16, HLLH16, LJB+16, MAIVAH14, Smi16, BD10, CNMC10a, FDWC12, KD17, KAS12, LWC14, LW16, LBP15, SEW12, SEW14, TV+16, vSGB+18].

**Optimizing** [BS14b, BCG+15, De11, GBN17, Kw18, RL14].

**Optimum** [PCVZ11].

**OptQC** [LWC14, LW16].

**OPUCEM** [ÇOSÜ11].

**ORACLE** [WS11b].

**orbifolder** [NRSVW12].

**orbifolds** [NRSVW12].

**Orbit** [BDBV12, CL14, CFF19, HSK+12, Nis11, PCGM14, RE12, WX14, WLGY18, MPS13].

**Orbit-following** [BDBV12].

**Orbit-based** [BDBV12].

**orbital** [BHT19].

**orbital-free** [BHT19].

**orbital-based** [BHT19].

**orbitals** [BCC+18, Ert15, KTB17, KCA+15, KBSP19].

**orbits** [BRB12, BDT15, KRK16].

**orchestration** [CCdC+11].

**order** [AAD13, AAD14, ABdA15, AGH+16, AH13, ADdM12a, ADdM14, ACdM15, ACdM15].
ADdM15, ACDdM19, BBL+13, BKV16, BK16a, BCT17, BVC13, BIT12, CFMR10, Cap13, CZ18b, CD15, Cha16, CD12, CR12, DBMR18, DJ11, DZ13, DdMN16, EGT+18, FG13, GLPQ11, GGGH14, GJ14, GA10, GPS+13, HSF+19, HZ11, KMS14, KO14a, KBB+17, Koh15, Kol14, LX12, LV15, LWZ14, LST15, LLXK16, ILSZ14, LW14b, LWJ18, MC16, MF17, Maz19, MD10b, MK19, MLK+17, MLK+19, MO14, NS15, NO12, PZZL19, PTK15, PVK+17, PM13, Qia10, RL10, RHW+12, Sch14b, SR12, SVV19, SSH+13, SS13b, SA15b, SC16b, SB11, Sok13, SS10b, THDS16, TY10, Tia11, VDF15, VEB+18, VV16, VV18, WWS10, WDR16, WC13, WP10b, WWR+16, WYSW10, WT15, XHLUF+18, XYK12, Zag14, ZD15, ZFH14, ZNT15, vH10, DBLF16].

ordering [ZHSL13]. Ordinary [NO12, ADdM12a, ACDdM15, ADdM15, ACDdM19, FBHB17, MZE13, RBB15, WT15].


[Fen12b, Kan14, SS13c, ZYL+19]. passages [JU17]. passing
[TSTT13, XNK+16]. past [TKL+12]. PASTA [KBLJ18]. Path
[NSXZ14, AGL11, Bri15, CMM14, LA13, MTS+16, MNV13, Miu11, RGKR17,
WF1M14, ZBG+16]. path-integral [ZBG+16]. pathology [LWES18].
pathology-free [LWES18]. paths [GA13]. pathways [MLGVE14]. pattern
[CGSB18, FBG10, OG14, OO15a]. patterns [LSYZ12, MSPD12, WS11a].
Pauli [Bad11]. PAW [RCGT16, SHW18, THJ+10]. PBSA
[PSMS14, PSMS15]. PCTDSE [FZY17]. Pd [CHW+15, SWL+15]. PDB
[DPK+15]. PDB4DNA [DPK+15]. PDE [BS15a, Fan19, RD10].
PDE-constrained [BS15a]. PDEBellII [MWCY14]. PDEs
[CWJ19, GLHR19, KSW12, MCL+17, RHHI12]. PDF [BCR14]. PDG
[BBC+13a]. PDoublePop [TTT16]. PDRF [sX14]. pe [FBP+14].
Penetrating [WGG16]. PENGEOM [ASPDL+16]. Pentadiagonal [TT14].
pentoxide [LS11]. peptides [BBV+16]. Percolation
[SW11, YHCS11, YH15]. perfect [JWM+18, DMH16]. Perfectly
[LV15, SVV19, SKML11]. perform [PSMS14, PSMS15]. Performance
[CMRYVR+14, CCY18, FBN+13, GHBL18, KKP11, KVV11, LSYZ12,
PZL+19, Sha13a, Sin12b, TRM+12, Yi11, AL17, Ara14a, Ara14b, BBB+17a,
BHNS17, BL18a, BCH17, BR13, BWPT11, BKPT12, BY13, CDS13a, CL15b,
CRA10, Eim16a, GS15, Gai17, Gar19, GBK+12, HLZ+13, JTW+17, JVR12,
KPA+19, LSR+17, MWI+19, MMO+17, MVS15, ML16, DPHB17, NMS14,
NFS15, PG1017, Rap11, RV10, SGM18, SHZ13, SSF+14, Tan19, TGH+16,
VMGP+19, WGVPL17, XLCW14, dJBIM16]. performant [KSS18].
perfusion [BBB17b, IBB18]. peridynamic [CB15b, HS14a]. periodic
[BRB12, BDT15, CWY+17, CZF18, DV11, EBCBG17, GBP13, HBP14,
HBS+11, KFS17, KS12, KMS16, KSY17, LRW+15, L12, M116, PMS+15,
Qia17, SXW+18, SS10b, VDB14, YW17, YLK10]. periodical [KAS12].
peripheral [KNS+17]. Periphery [ZCC19]. Perl [MGFR12]. permanent
[RMS+12, RE12]. persistence [KCL11, SBB+17]. personal [Cip11].
personalized [QHZ+14]. perspective [MTO15]. pertaining [OK14].
Perturbation [BK13b, BRH+16, CS10, CZ19, GBR+17, KBB+17, KPT15,
LV10, MGRB11, Ns11, SCRS17, SU18, TVGB15, ZX10]. perturbations
[LMRC15, TIC14]. perturbative [WL11b]. perturbed
[Bla15, FMW10, GN14, Wu10, YWFY09, YZZ11]. petabyte [Ano11o].
Petaflop [BBF+13]. Petascale
[OYK+14, YBNY13, CBGY17, CBYG18, SKSK13, VCMS+13]. petascaling
Pfaflans [RW11]. PFMCal [BDGM+17]. PGAS [BY17, TSTT13]. Phase
[BM19, DVB11, JC16, KV10b, LLSK17, Ols11, Raw15, WJHW14, XHLM12,
YLO13, AKR15, BT17b, BMU14, BS12, CZD15, CHW+15, CMM17, EVS14,
FHA17, FFIH11, GTS14, GZW17, GLW14, GX15, Hon10, JHH+19, Ki10,
KSW15, KS15, Lin15b, MRSD15, MKS10, MSHLS15, MSHL17, NS15, OKC11,
CDSG11, HTJ^{+16}, RDC^{+18}, RBG^{+19}, SGM18, SS13a, VLL^{+17}, dBCH14].
porting [HD11]. posed [LLP15]. Positive [Has11, XZF12, SmdONF14].
Positivity [SP18b, dTOV18]. Positivity-preserving [SP18b, dTOV18].
positrone [GGGH14, Gre18, Kol15, SMOB19]. POSMat [MCY^{+16}].
possible [ASTT16]. post [LAA^{+10}]. post-processing [LAA^{+10}].
PBMAD12, SWL11, ZZ17a]. **PRO** [MGL16]. **Probabilistic** [Er14].

**probabilities** [DSHS17, PDC14, WW15]. **Probability** [PM13, SI11, Asc10, CMR17, Ker17, KCL11]. **probe** [AAJA14, TCK+15, XLX+15]. **probes** [BMG+15, KKS18]. **ProbeZT** [KKS18]. **problem** [BBB17b, BBC+13b, CLH+17, CDMCN11, CD12, Cho11, DPB16, Dua10, EKO16, GLX+14, IBB18, Ixa10, Jal10, KK16a, KPA13, KLL1, LZP12, LWW10, MW12, MFM15, MK10, MD10b, PS11, RM10b, RC13, RC16, SCS12, WHB16, Wan10b, WP10b]. **problems** [AABC+13, AG12a, BCDP18, CCLL18, CAN11, CCHL11, CS10, DMP18, Des16, DCM+19, DB13, DS15, FGR14, GHvdL11, GMC18, GN14, GCHL15, HKSW10, Ixa16, Jan10, JWM+18, JOR+12, KV10a, KBSP12, KAS12, KL14, LMR15, LV10, LHI+10, LWL12, LHC+13, LQF18, LW14b, LAG+17, LR13, LR16, MCWI15, ÖY13, PS14, PS11, SKFP16, SS13b, SK14, SMCB+15, SS10b, TF14, TAC15, TVT+16, VSO+13, WV14, ZHSL13, ZWL17, ZX10, ZLL13, ZNT15, vRWS14, vWB10]. **procedure** [AKS17, BW16, BSWC14, CCLL18, KMD12, KM17, KSW12, RC18, TIMM13]. **procedures** [Dua10, FG13]. **Procesi** [HDZ14]. **Process** [BKS15, CLF18, DKT14, LTL+12, LCR10, dHGS11]. **processes** [BDVG+11, COK19, CPHL14, CF17, CRC+13, CI11, GTPWL12, MKB+11, OK12, OK18, RCD+10, Ros15, TC11b]. **Processing** [Boe18, Dem11, Mau16, MSML10, YLO13, BK11a, BHS18, BJ13, CDS13a, CMSN18, CSSR15, Col14, DBDP12, DS11a, DF13, FSH13, FUSH14, FCVH17, FVH18, Fil14, Fri14b, FWS+17, FZY13, HAN+16, LAA+10, LAS+17, MED11, MEM+11, NPAG11, PVH+17, Pld+13, RFSF18, SH12b, SSM+17, TD11, Tic10, WDI11, WWFT11, Zlo13]. **processor** [APRG11, NBN+14, Rap11, TB14]. **processor-based** [TB14]. **processors** [LSG+12, RJ16]. **produced** [AG14]. **Product** [JWC18, DBK+14, Eks11, GBD10, HR11, TOS10]. **production** [BBUY13, BKMP16, BG14b, CWW10, CWW15, Cip13, DDKM15, GLPQ11, Gin10, HLM13, KKK+15, Les16, OK12, OK18, WW13, WW13]. **PROFESS** [CXH+15, HHS+10, KST14a]. **profile** [Gio14a, VSG17]. **profiles** [AANA12, MSNI11, Wai12]. **profiling** [CCY18]. **Program** [BS11, BS13a, BB13a, CGV13, DHR14, GBS16b, LD14, NS10, VPM16, AC13, AM10, AM11, Arbi12, As110, AZ17a, AZ17b, AKV18, BGM+14, BF16, BBPS14, BH14b, BFD+11, Bog16, C11m1, CTV10, CH11a, CATK11, CXH+15, Cip11, Cip13, CCGC13, CRNK12, CM14b, CO11, Dan11, Dat13, DEMM19, DDKM15, Dev12, DKG+14, EjG+19, FMRS16, Fer15, FCVRF18, Fis11, FEH11, Fri12, Gao13a, GLS+13, GCV14a, GCV14b, GNT17, HSF+19, HLM13, HEF12, HHS+10, JP10, Jia18, KKS18, KNS+17, Kobb13, Kol14, KS12, Kra11, LHC+12, LZ11, MCV18, MII18, MCA17, MPS13, MLW+10, ME18, MNV13, MGB18, MBGK11, MSNI11, NGG+13, NGM+10, ÖN14, OK12, dRJ14, PCT17, PSL+17, Pit12, Pos18, RDP14, RFPM+17, SY+12, Sai10, Sar17b, SSG+10, SSG+18, SBB13, SDM+12, SDS+17, STY15, STY18]. **program**


Quantum [BDK11, BG11, CW13, DSW15b, DS13b, FGGM11, GRTZ10, KYM+17, LCH11, LW13, ON11, PNL13, TTS11, UKKB19, ZZD15, ACTP15, AK13b, Aza13, BBW11, BM14, BBC13b, BMNS14, BAF18, BVSG19, BS12, CZ17, CZ18a, CL10, CK12, CB16a, Dat13, DJW+19, Den10, DHR14, DDM14, EY11, FRW17, FUSH14, FVH18, FE11, FLW17, Fri14b, GWL+17, GZL14, GM19, GM16, GH15, GWF+11, HWG13, Hin11, HRC11, Hoh14a, HWW+15, Hun17, Ihn12, ID18, IIO16, IW15, JWC18, JNN12, JNN13, JMG+17, JGD12, KSL+11, KPK+17, KPOR18, Kr16, LKM+16, LV13, LW11, LW14, LW16, LUt15, LjB+16, Men11, MNW+17, Mis12, Mis13, MKV11, MBFD12, NEW+18, Nog17a, Nog17b, NVW+13, OBH10, ORCR17, dlrJL14, PFA+15, PBS+17, PKRS16, RF10, RK11, RPL+14, RC11, Sai13, SV14, San15]. Quantum [SGAA18, SL17, SH18, SZ15, SKP16, SPMM11, SOM+13, SGW17, SO19,
range [ADD+11, BTM+17, Boe14, BWPT11, BSWC14, Cor14, Fil13, Fil14, FN17, HWL+17, HM17, KK16b, KMD12, PG10, iTI11]. ranging [SGSG19].
rank [Ara14a, Ara14b, BK12, DSHS17, KK14b, LO14]. rank-structured [KK14b]. Rapid [FWS+17, MJB+10, Ray10, SKH+10, HvAS+13, Ruf13].
RapidSim [CCN17]. Rare [KBT+14, CGV13, Ki11]. rarefied [JvOK17, PG17]. Rashba [XJS16]. rate [AAR+14a, AAR+14b, BK12, DSHS17, Ki14b, LO14]. rate-structured [KK14b].
BCS10, BKK13, BK15, BK16b, Che17, EPS15, GSB+14, MUU18, MZE13, MNC15, PZL+19, Per14, SH18, Stu10, BKK13, BK15, BK16b, Smi15.

Redundant [QHZ+14]. Reduze [Stu10]. reference
[DKG+14, DFM+15, Duf16, JP10, SS11b, VS19]. reference-free
[DFM+15, Duf16]. refined [EZL+16]. refinement [AWK+16, FXZ+14, GX15, JFC12, LH18, LWRQ16, MHV17, UBRT10, WQ18, YRR13, ZD15]. reflection [GCVA14a, Ram10, WS11a, Yan09]. reflections [NLSJ17].

Reformulation [LZP12]. refractory [SCN18]. regarding [MS15]. Regge [ASEA14]. regime
[CXL19, REtVH12, TKL+12, YWOD19, dSFdFF13, vMB14]. Region

Regge [ASEA14]. regime
[CXL19, REtVH12, TKL+12, YWOD19, dSFdFF13, vMB14]. Region

Regge [ASEA14]. regime
[CXL19, REtVH12, TKL+12, YWOD19, dSFdFF13, vMB14]. Region

Regge [ASEA14]. regime
[CXL19, REtVH12, TKL+12, YWOD19, dSFdFF13, vMB14]. Region
[BM13, CFMR10, DBMR18, DIP11, DM17, FG13, Ixa12, KMS14, KZC¹+10, Kas12, MIW¹+12, MKS10, NS15, WXL13, WW10, YZWR14]. running
[CDS13a, KPV16, SS12]. Runtime [US18]. RWG [ZDWY10]. Rydberg
[SPAW17]. Rys
[AG12b, Sch14b].

S [BL18a, Ma19, BFD¹+11]. S/PHI/nX [BFD¹+11]. SaaS [VPMVH¹+17].
SADE [FF11]. SAFT [ESM17]. SAFT- [ESM17]. Sailfish [JK14].
SALMON [NSH¹+19]. Salpeter [GGG16, GVS¹+15, SAW18]. sample
[MP11]. sampled [GGG¹+19, ME18]. sampling [ZDWY10]. Sampling
[BBV¹+16, Hal17, KBT¹+14, RPB¹+15, BFM10, Boe18, CND11, FLE19, GM14,
IIO16, IFO18, KCN18, KD17, KI11, KS16b, KSW15, KS15, LWL12, PPS10,
RLBC¹+14, Sar19, SBS15, TBZ12, WLH¹+12, Wil15, XLL15, YK10, YL12,
ZF15].
SANC [AAB¹+10a]. sandpile [AS11a]. Sar
[TU14]. SARAH [DNPS13, Sta13, Sta14].
satisfactory [DGST17]. SATLAS [GdGB¹+18]. saw
[BB12, SAWdoubler [SB13]]. Saxong [DT18, MAM14]. Sb
[AM14b]. SbNCa [BAK¹+14]. SC-NBL [KHN19]. Scala
[Pos19]. Scalability [ZZG¹+16, APC¹+14, SC¹+13, VV18]. Scalable
[ASA18, AIG16, NSH¹+19, BVC13, BY17, BHND16, BENK¹+17, DHJ13,
DG10c, FWS¹+17, GGI¹+13, GP13, JPH¹+14, KC18, MTM13, VBG¹+10]. scalar
[AHK¹+12, BMS¹+16, CEZ16, LS19, LZZL10, PQTGS17, SAHP15, vH11].
scale [BMC¹+11a, BC10, DdJC¹+19, Bis15, BH¹+15, BH¹+18, BAF18, BY17,
CB15a, CB17, CB18, DWS¹+15a, Dew16, DADS11, DO14b, DML¹+16, GS15,
GHvdL11, GZL14, GhdF10, GBS¹+16a, GAO13b, HLS12, HLS¹+17, HKK11,
JEFP14, JXT16, JW17, JOK13, KHZ¹+18, LCQF18, LR13, LR16,
MBS¹+10, MCNRC16, ORS¹+14, OP12, PLD¹+13, RLM13, Sch14a, Sh13a,
SXW¹+18, SLZ16, SPS18, Tau10, THDS16, TIMM13, TIM¹+16, URT10,
VGB¹+10, WSI13, WDL11, WSH¹+12, WLZN17, YFAT17]. scales [HCM19].
Scaling [ZMJ13, AS11a, BH14b, BH16, CCWL11, FUSH14, FVH18,
GNA¹+15, GYW¹+10, HHS¹+10, JW17, KBB¹+17, LD10b, MMO¹+17,
OOK¹+12, RWKS15, DSVLP13, vMB14]. scanning
SCATCI [ART17]. scatter [LP15, MTO15]. scatter-gather [MTO15].
scattered [End11]. Scattering [BD12, AV13, AKR15, AFIS12, Bab14, BH16,
BH17, CKLM10, CAN11, CGR14, CRNK12, EW14b, EW16, GLAC13,
GMC18, HC16, HHT14, IB11, Jab17, KC14, KB15b, KL11, KvdO11, LHJZ10,
LN16, LS12b, LW18, LG¹+17, MLR10, OK14, PNL13, PR10, PKRS16,
SMOB19, SNG¹+11, Ser10, SKML11, SAS11, SDL¹+16, TACA15, TVGB15,
WJCZ18, ZHSL13, ZYL¹+19, ELL¹+17a, XNK¹+16]. SCBiCG [GCHL15].
scene [CFCB12]. scene-dependent [CFCB12]. SCF [WPD¹+15].
Scharfetter [PFFK19]. Scheduler [ALS16]. Scheifele [YZ11]. scheme
[AAD13, AAD14, ACML11, ACTP15, BM13, BBC¹+13a, BE14, BMBC¹+17,
BB12, CW14, CZ15, CYN19, CWY¹+17, CEF16, DJ11, DM17, DOP17,
DML¹+16, EW14a, EW14b, EEGW12, FOB¹+15, Fu19, GN14, GRLS18, HP14,
scheme-independent [Les16]. schemes
[ACMM10, ACM12, BK16a, Cap13, CBAM12, CM14a, DBMR18, DJ14, FDZ17, GA10, GLW14, HWS16, HJ14, IKS19, JKIS16, KPVvdH13, lLsSZ14, LYL+17, MIW+12, PF1K19, PTMDPK14, QA13b, SP18b, SYE+18, Ume19, XHLUF+18, XYK12, YZ16, YZ19, ZKS+18, dIRM18, vdS10]. Schild [WN10].
Schmidt [CBGY17, CBYG18]. Schnek [Sch18]. Schramm [SW11]. Schrödinger [ABB13, ABH+19, BAR12b, CWS14, Cap13, CPV13, CZS10, CSJ+17, DT10, DT11a, DM17, Dua10, DM12, FE11, GS15, GG16, IKS19, Ixa10, JYPA18, KZC+10, LV14, LWZ14, LST15, Lin13, LB10b, LY16, MC16, Moh14, ICD13, MNOO11, ON12, PAS11, PM16, QSC14, SSH+13, SB11, TD14, TTI14, TY10, Wan10a, Wil19, XZ12, ZST11].
Schwarzschild [JLM18, Jia18].
Schwinger [CKCS13, HB12, HM12b, SAW18]. Schrödinger [abd16, ABH+19, BAR12b, CWS14, Cap13, CPV13, CZS10, CSJ+17, DT10, DT11a, DM17, Dua10, DM12, FE11, GS15, GG16, IKS19, Ixa10, JYPA18, KZC+10, LV14, LWZ14, LST15, Lin13, LB10b, LY16, MC16, Moh14, ICD13, MNOO11, ON12, PAS11, PM16, QSC14, SSH+13, SB11, TD14, TTI14, TY10, Wan10a, Wil19, XZ12, ZST11].
Schwarzschild [JLM18, Jia18].
Schwinger [CKCS13, HB12, HM12b, SAW18]. Science [LSJ13, SNG+11, TN11, CKhN11].
Scientific [CCdC+11, AMR+18, Che11, CSRV13, Dan10a, Dan10b, Dan11, Dan12, JVR12, OTC14, RSSH+10].
scintillators [KME+11]. scrape [JHL+15].
sweep-off [JHL+15]. screened [GWL+17, GH11, JH15, PH11, ZHPS10].
screening [CSC11]. scripts [CF16, Glo14b]. SCTE [MGFRG12].
SE [NAQ16, QYM11, QA13a, SP18b, WZS+11]. search [BBB+11, BP5S18, BG13a, DR12, GCC+18, JTP15, KPVvdH13, MTS+16, PP13, PMS+15, TC11a, WP11, WRFS15]. searches [GTL+17, VPP+12, WRvdL15].
SearchFill [DBJ11]. Searching [KBJL18, Ano11a, LOK+16]. SecDec [BH13, BCI13, BHI+15, CH11a].
SecDec-3.0 [BHJ+15]. Second [BB13a, HD17, ADdM15, ACDdM19, BKV16, GPS+13, KT17, Kir10, KB+17, LX12, LJSW11, LW14b, NS15, NO12, PKT15, Pla16, RL10, VEB+18, WC13, WY10, WT15, Zit11].
second-order [BBK16, GPS+13, KBB+17, LW14b, PKT15, RL10, WC13, WY10].
section [ALL+11, BS13b, BHS15, CYD11, CM14b, DHS14, OILK17, SGA1A, Shi16, vdS13]. sections [ASEA14, BPC12, Cip11, Cip13, DLM18, Gaol13a, GLS+13, Kol14, Lit13, PDL+18, VC10].
sector [BBH+11a, CH11a, KU10]. sectors [BM19, BBH+10, KKS18, KZ11].
Security [ÖZ13]. sediment [SYD17]. see [BBC+13a]. see-saw [BBC+13a].
seed [RMS+12]. seeding [ASPW13]. seesaw [CGV13]. segment [FGL14].
segment-wise [LFG14]. segmentation [MGO13]. Segmented [KS16a].
Seismic [LZZL10, CL15a, GMRHRCME13, MCAF14]. SeismicWaveTool
[GMRHRCME13]. Selecting [CB15b]. selection
[ABH+19, BPSS18, CLH+17, HJJH17]. selective [JK13, TIMM13]. Self
[BMC+11a, CCGC13, ASGLK10, AK15, BCH11, CDTV10, CGSB18, Den10,
DR12, Erm18, GCA14b, HPKF15, KOK17, MT13, NPVR14, PB13, Pit12,
QHC+10, SEW12, SEW14, SBB13, SHNM11, XNK+16]. self-adjointed
[GCVA14b], self-avoiding [SBB13]. self-consistency [SHNM11].
Self-consistent
[CCGC13, CDTV10, DR12, KOK17, NPVR14, SEW12, SEW14, XNK+16].
self-consistent-field [Ern18, Pit12]. Self-energy [BMC+11a, PB13].
[CGSB18]. self-polarization [Den10]. self-questioning [QHC+10].
self-adaptable [CFCB12]. selfconsistent [ELL+17a]. Semi
[DS15, GHBL18, GHMB+19, KZC+10, BB12, CZD15, DS10, Ein16a, FJK+17,
GAB+16, IBP+15, JYPa18, Lan13, LHH+12b, MCV18, MIW+12, MRVF13,
QSC14, Ser10, SmDNF14, SHL+11, UNK12, WG16b, Wie15, ZLL13].
semi-analytic [Ser10]. semi-analytical [DS10, FJK+17, MRVF13].
Semi-analytics [DS15]. semi-automatic [Wie15]. semi-axis [SmDNF14].
semi-classical [MCV18]. semi-discretized [JYPa18]. Semi-explicit
[KZC+10, QSC14]. Semi-Implicit [GHBL18, GHMB+19, BB12, CZD15,
IBP+15, LHH+12b, MIW+12, SHL+11, WG16b]. semi-infinite [ZLL13].
semi-Lagrangian [Ein16a, GAB+16, Lan13, MIW+12, UNK12].
semiconductor [ASGLK10, AK15, ACCB13, Bot12, CM15, CL10, CLL16,
DJ12, GTG+11, HHC16, MiH12, NAQ16]. semiconductors
[BMZ+18, GC12, KOK17, LZL11, PFFK19]. semidefinite
[VvAV+11b, VaAV+11a]. semiempirical [IIO16]. semismooth [CB15d].
semismooth-Krylov [CB15d]. sensitivities [GA13]. sensitivity
[CSC11, Hs14a, KTA12, PPS10, SAA+10, SK10, TBZ12, WLH+12, WLS13].
separation [MSRL10, SJW10]. separations [DSK19]. sequence
[GCF+17, HLD13, ÖY13]. SequenceL [BBB+17a]. sequences
[DBB12, DB13]. sequential [AL17, NM14]. serial [CUL+17]. series
[ADdM16a, ADdM17, BDJS18, CZ17, Cc10a, CO11, GMPFC+14, HvWT17,
LHc11, NO12, YczS18]. SERS [CLY11]. SERS-active [CLY11]. servers
[WMK11]. Service [MLR10, HDF+19, VDJ+11]. Set
[NHSY15, CK18, FM12, FHA17, Ki10, KN13, MBFB13, PVK+18, Pit12,
RCGT16, XHLM12, XLX+15, YS17, MFG+13]. sets
[Cor14, FBG10, GJLB12, JH15, ZSC+13, VdLF14]. setting [CNs+14]. setup
[FJ19], several [GCL15]. sfermion [HEF12]. SFOLD [HEF12]. SGO
[CJJ+17]. SGS [ZSW+17b]. Shafranov [HS14b, SVS19]. shaking
[RRHF12]. shallow [QM10, STA18]. Sham
[KKL+18, SCS12, SCB17b, SPSP18, zYCG+18]. Shape
[DGMZ15, NS11b, OK14]. shaped [HSD17, MSR+17, Nov17]. shapes
[AIG16, GTPWL12, GGHH14, XLX+15, YLYL17]. Shardlow [LBM+14].
Shardlow-like [LBM+14]. SHARE [PLRT14]. Shared
[DKG14, BKS15, CL15b, NFS15, TE18, WMRR17, WRMR19].
Shared-memory [DKG14, NFS15, TE18]. sharing [TRM12]. sharp
[CDL12]. SHAVEL [ME18]. shear [BF10, CMVRB14]. shear-shear
[CMVRB14]. sheath [KMD12, KM17, KSY17]. sheath-plasma
[KMD12, KM17]. shedding [TKL12]. shell
[ACTP15, BM16, Cip11, DT18, Faw10, MCA17, Trö11]. shell-model [BM16].
ShengBTE [LCKM14]. Shepard [FZY13]. shields [OVSI15]. Shift
[KHN19, Ber14, EJG19, FZ16, NGG13, Ram10, RLM13, STY15, STY18].
shift-invert [RLM13]. shift-operator [Ram10]. shift-without-invert
[FZ16]. Shift/collapse [KHN19]. shifted [ABF19]. shifts [NLSJ17]. shock
[Fu19, KR14, PBD15, QLE16]. shock-capturing [Fu19]. shock-ﬁtting
[PBD15]. Short [BBF10, ADD11, BTM17, BWPT11, Fri10, FN17,
HWL17, Ram10, TKR13]. short-range
[ADD11, BTM17, FN17, HWL17]. Short-recurrence [BBF10].
short-time [Fri10]. shorter [BL18a, dJBIM16]. shot [HLS12]. showers
[BG14b, GRZ10, TS10, War16]. shufﬂed [AZM14]. Si
[CHW15, Dan16, MTS16]. SiC [Dan17]. sides [STK10, TKS10]. sign
[BH11, Kap16]. signal [JHJG14, LCRL10]. signals [CCM12, CWY17, HCM19, PMS15, SSP16]. signatures [RM16].
signiﬁcance [SC14]. silane [SVG10]. silicene [ZRS12]. silicene-like
[ZR12]. silico [HG13]. silicon
[GWL17, LOK16, OPO11, OPSR13, OP14, PVH17, Wit14]. Simak
[Maz19]. SIMD [PH13, VLL17, WN19]. Simﬂowny
[AABC13, AMR18, VMGP19]. Simﬂowny-based [VMGP19]. similar
[FS17]. similarity [LQX19]. SIMLA [GH15]. SimPhoNy [AKH18].
Simple [DSW15b, NO15, PM16, AL17, AKV18, BBB19, CCL15, DZ15,
GAHP15, KKG15, KOK17, RU13, SGM11a, SGM11b, WWC16, WCT11,
XW15, YZY10, YB13, DSVP13]. simplex [Kap12].
simpliﬁcation [SBQ14]. simpliﬁcations [BD12]. Simpliﬁed
[vMB14, AKK18, SA14, TVZ15, YZWR14]. simulate
[AMM11, BVSG19, CUL17, JWC18, MP14, RTT18, SQA15, TXZ15,
TS10, WGG16, ZBG16]. Simulated [BL14, BSM13, BDKS10, CM10a,
CD12, HG13, IZ15, LM12, VdLF14, VDF15, Yam16]. Simulating
[GH15, Gre18, Hoi14b, RF18, Wan16, We11b, BHNS17, BENK17, CJ12,
DMC10, HGARM15, JPK12, KOR18, LHH12a, LL15, LL12, OK18,
SV14, SJ18, WX11, XAPK14, XD16, YWW13, ZKG18]. Simulation
[AZS11, AKR15, Bar12a, BaV11, Beu11, CM15, CAGL13, EFG10,
FB14, HEWP13, Hon10, JG11, KKS18, MV17, MTE17, OBM19,
PPV11, PC11, RF10, RSBB14, SOON11, SKH10, TKB18, UYY11,
XL15, AKH18, AFIS12, ASPDL16, ALSW14, AIG16, AABC13,
AMR18, AJA14, BF16, Bar11a, BK16a, BE14, Boe14, BCM16, BO12,
BHND16, CHNS18, CC16, CGSB18, CXG19, CHC11, CSSB15, CHH11,
CvW12a, CvW12b, CDF16, CF17, CCN17, DG10b, DSW15a, DJH13,
DBP18, DES11, DDM14, FYK18, FLZ18, FFT14, FGC11, FFI11,
FM15, FN17, GC12, GM11, GRR+14, GRZ10, GSB+14, GHMB+19, GB14, Gri11, GRTZ10, HBE10, HBL+13, HKJ+12, HT12, HvAS+13, HXW+13, HAN+16, Hsu11b, HB13, HHT14, HCSW10, JA17, JXTS16, JLM18, Jiw12, JPM12, JAS17, KDM17, KGF18, KNS+17, KO12, KO13, Kro16, simulation [KMJS16, KCS+15, KP14, KSYY13, KQYH17, KSY17, LCC13, LDR+17, LJE11, LJSW11, LCH11, LX14, LSK+13, LYZ13, LS17a, MD10a, MT13, MGRB11, ML17, MTSI11, MKU+12, MMC10, MSNI11, MFG+13, MiiH14c, MSH11, NFI17, NB17, NZQL14, NM14, NFS15, OKM12, OYK+14, PBT15, PZL+19, Pei18, PVK+17, PCE15, PA13, QL10, RFI16, RB18, RIT+18, RD10, RLBC+14, RKG+17, Sal12, SBH+14, SCC+12, SSF+17, Sch18, SM19, Sha18, Si16, SS11b, Sit18, SVG10, SMK15, SMCB+15, SBL16, SBE+16, TJ11, Tab16, Tan19, Tau10, TL17, Tic10, TVG15, TIM13, TGH+16, TCCV18, TMD11, TB14, TIM+16, TPC16, VDB14, VPMVH+17, VR15, VEM12, VK16, WP11, WS11a, WGVPL17, WGG+19, WSI13, WBY11, WBS+18, WT12, WL11b, WLZN17, YLQ+17, YBNY13, YLKN17, YG12, ZHF14, ZXL16, ZZD+16, ZZHG18, ZHC16, ZPfR16]. Simulation [ZLFM11, dlHV12]. Simulations [APRG11, Bab14, LDW13, TKL+12, AM14a, ASGLK10, AK15, AD15, AGB+15, AMJ18, ABRS12, BJ14, BBB+17a, BT17a, BB13a, BHS18, BS15b, BSC+13, BFPP12, BBF+13, BBS14, BPML12, BDBV12, BVP10, BB17, BDS13a, CB15a, CB17, CB18, CTT17, CMM14, CHAI11, CXH+15, CLL16, CW16, CCL18, CL11, CPFH14, CF19, CBGY17, CH11b, DZ15, DSHS17, DGJH19, De 11, DQMM19, DS13a, DP+15, DF13, Dem11, DF14, EBCB+14, EVB14, EBCBG17, ESM17, Eav14, FCVH17, FW11, FFRH10, FK15, FPY+17, FHA17, GHK19, GHdT10, G10, GL17, GNA+15, GAB+16, GSKM14, GSKM15, GM14, GJHF14, GB11, GZWH18, GBJ+15, GCH+18, GB17, GMHZ19, GM18, HJ17, HO13, HS14a, Hin11, HPKF15, Hoh18, HYM11, HLZ+13, HM17, HHH+15, HKK11, HHP+16, JBK15]. Simulations [JBG+16, JBG+17, JPH+14, JvOK17, JX15, JYL+15, JVR12, JJSK16, KRM+19, KÖG17, KK16b, KC14, KP16, KSS18, KS16b, KHK+11, Kon11, KGG+16, KRB15, Kra18b, KLO+19, KHN19, LYP14, LPC+15, LGW13, LLSK17, LS14, LS15a, LS15b, Les16, LWL11, LXY+17, LH11, LYL+17, LOK+18, LKW11, LSK+14, LBP15, MMSF+15, MD16, MÀWK18, MIW+12, MIW+13, MAC12, MMY+17, MKI17, MM17, MP11, MFS+10a, MS14, MRZ10, Mz13, MNV13, MVI+16, MHR+13, MMA15, MNPF17, MTO15, MK3+11, ML16, MSM+11, NJ18, NMB+15, NNWS15, NDS18, NFA+16, Ng17, iNSK+15, NVW+13, ÖK11, ORI+10, Oti13, PCGM14, PG17, PLD+13, PE15, PLCC12, PDJ10, Qia17, RV14, RKL14, RtV16, RV11, RHFF12, RJKC16, SH12a, SCB+17a, SCB+19, SFP11, SIS10, S10, SXW+18, SOM+13, SLZ16, SKK17, SJ11, SS11c, Sok13, Sor19, SYE+18, SCM+16]. Simulations [SCM13, Sus17b, TK14a, TSK+17, TSTT13, THDS16, THDH14, TS19, Tröl1, TYH+15, UKKB19, UBR10, UO15b, UO15a, VB10+10, VV18, VK14, VMF16, WFM14, WJ18, WWHW14, WWC+16, WSNP17, WTH15,
WYH19, WDL11, WSH+14, Wie18, WWVB11, WSH+12, WWFT11, WAW14, WWM14, XYM+13, YW17, ZW15, ZMvE+13, dSF18, dHGCS11. **Simulator** [CP15b, DJW+19, IW15, MBRV+13, NSH+19, PR14, ZAFAM16, KDP+14]. **simultaneous** [Kra18b, SGDS16]. **sinc** [MM10]. **sinc-collocation** [MM10]. **Sine** [SW14c, AH13, GMHZ19, JPM12, MD10a, Pål12, PTS12, dHV12]. **Sine-Gordon** [SW14c, AH13, GMHZ19]. **Sine** [SW14c, AH13, GMHZ19]. **Single** [FHA17, GM16, MAM14, Aza13, CATK11, CSL+13, DKT14, EY11, EBDM17, JA17, JXTS16, KKK+15, LHSL14, LBP15, RV10, RV11, SD14, UW12, WG16a, WBY11, ZYZ10, ZLFM11]. **single** [JXTS16, LBP15]. **single-crystal** [WBY11, YZY10]. **single-electron** [JA17]. **single-molecule** [EBDM17]. **Single-step** [FHA17, GM16]. **single-tag** [DKT14]. **single-walled** [CSL+13, LHSL14]. **singular** [CZ18a, GWF+16, HKSW10, MC16, NO12, SK14, ZK10]. **singularities** [BAK+15, BAK+16, BAK+17]. **singularity** [PPY14]. **singularly** [GN14]. **Sinusoidal** [RHHF12]. **SIP** [FXZ+14]. **SISCone** [Wei12]. **site** [DMC+15, SFP11, YHCS11]. **site-diluted** [SFP11]. **situ** [KY14, MMC10]. **sixth** [LST15, NS15]. **sixth-order** [LST15]. **Size** [GWL+17, VKLM11, AS11a, BM13, BHNS17, Evs14, MDPTK15, MST+18, OBH10, OOGP19, SSP16, ZHCR18]. **size-dependent** [ZHCR18]. **sizes** [Cas12]. **skeletons** [BRB12]. **skew** [GBRB11, HM18]. **skew-symmetric** [GBRB11, HM18]. **skin** [ZZHG18]. **SKRYN** [CB15d]. **Sky3D** [ASA18, MRSU14, SRS+18]. **Skyrme** [RHBH15a, CCGC13, PSL+17, RHBH15b, SDM+12, SDS+17, SSK+13]. **Skyrme-HF** [RHBH15a, RHBH15b]. **Skyrme-type** [CCGC13]. **skyrme_rpa** [CCGC13]. **skyrmion** [BUJ15]. **slabs** [LN16]. **SLAM** [MZ14]. **Slater** [USOA13]. **slave** [QwWL+15]. **slave-boson** [QwWL+15]. **SLDMOL** [CZN14]. **sleep** [SLC11]. **SLHA** [MUR14]. **SLHAplus** [BCPS11]. **slicing** [SCS12]. **slightly** [BAF18]. **SLIMP** [ZZ15]. **Slow** [SDJ+12, WL11b]. **Slow-to-start** [SDJ+12]. **Slurm** [OBPL19]. **small** [Ber14, BBV+16, FLP10, JLW13, PP13, QHC+10, TIMM13, dSLF13]. **small-world** [FLP10, QHC+10, dSLF13]. **smallest** [DS15]. **Smilei** [DBP+18]. **SMMP** [YK10]. **SModelS** [AKK+18]. **smooth** [CCLL18, Coul3a, Coul3b, GGG+19, Qia10, WG16b, WvSL13]. **Smoothed** [FHTO17, GRLS18, KS16a, PE15, DCVB+13, DCGG13, EKK14, JXTS16, KPPC13, NSFS15, RH17, RTA10, SN16, WRR18, CDR+15]. **smoothing** [HIC16]. **SENG** [Zit11]. **snowdrift** [QHC+10]. **SO-FDTD** [LJQ+19]. **SoAx** [HL18]. **soccer** [dSVLP13]. **social** [CHDF10, IBKK11]. **socket** [TRM+12]. **soft** [GSC+16, HBL+13, KL11, NFD+19, SM19, SM19, WS11b]. **SOFTSUSY** [AA+17]. **SOFTSUSY3.0** [AB10]. **SOFTSUSY3.2** [AK12]. **SOFTSUSY3.5** [Abd15]. **SOFTSUSY3.7** [AMRdA17]. **SOFTSUSY4.0** [AC17]. **Software** [Jav17, MCTY+16, NFA+16, SSM16, AKZ+13, BMF+19, BCG+15, BRH+16, CPCDM18, Dana12, FBC+12, GXF+15, GJA+16, HBH+17, HM10, HM17, KST+14b, LPC+15, LHG18,
LSK$^{+14}$, MÄWK$^{18}$, MNL$^{19}$, MMY$^{+19}$, NBW$^{16}$, ORI$^{+10}$, Ost$^{10}$, PVH$^{+17}$, PMS$^{+15}$, RDP$^{14}$, SD$^{15}$, SCC$^{+12}$, Sin$^{11}$, Sin$^{12a}$, SLR$^{16}$, SS$^{18}$, Sou$^{14}$, SJY$^{18}$, TL$^{17}$, VPP$^{+12}$, WGG$^{16}$, WGG$^{+19}$, WZ$^{+18}$, zYCG$^{+18}$, ZMvE$^{+13}$, soil [OML$^{11}$, PBF$^{+16}$], soils [GTSL$^{+13}$], SOL [FLSZ$^{13}$], SOL-core [FLSZ$^{13}$], solar [DJ$^{12}$, FXZ$^{+14}$, GSKM$^{15}$, HGCARM$^{15}$, Kap$^{16}$], SOLARPROP [Kap$^{16}$], solid [BCP$^{+16}$, Bot$^{13}$, CCD$^{+16}$, HXW$^{+13}$, JPCG$^{15}$, KS$^{16a}$, Miu$^{11}$, NGCI$^{+12}$, dlRAPL$^{11}$, PLD$^{15}$, QDZ$^{+13}$, UA$^{17}$], solid-solid [QDZ$^{+13}$, UA$^{17}$], solid-state [dlRAPL$^{11}$]. solids [AKZ$^{+13}$, Hin$^{11}$, Jab$^{19}$, MSHLS$^{15}$, MSHL$^{17}$, dlRJL$^{14}$], solitary [AS$^{11b}$, DS$^{11b}$, DN$^{13}$], soliton [DT$^{11a}$, Pal$^{12}$, TD$^{14}$, XLL$^{15}$], soliton-like [XLL$^{15}$], solitons [DG$^{10b}$, GMHZ$^{19}$, HWCH$^{11}$, JPM$^{12}$], SOLPS [SCB$^{+17a}$, ZCC$^{19}$], soluble [vdSM$^{16}$], solute [DMC$^{+15}$, JJ$^{15}$, XHLM$^{12}$], Solution [APV$^{10}$, CDTV$^{10}$, DS$^{10}$, LHC$^{+13}$, PH$^{11}$, RHHB$^{15a}$, RHHB$^{15b}$, SDM$^{+12}$, SDS$^{+17}$, AGH$^{+16}$, AH$^{13}$, BSM$^{13}$, BH$^{16}$, BKS$^{15}$, Bis$^{15}$, CDMCN$^{11}$, CSJ$^{+17}$, DMP$^{18}$, DT$^{11a}$, DS$^{11b}$, DN$^{13}$, DSW$^{+15a}$, FGLB$^{12}$, FFH$^{11}$, FI$^{15}$, HKSW$^{10}$, HVP$^{+19}$, HK$^{12}$, JKL$^{10}$, Jiw$^{15a}$, KAS$^{12}$, LD$^{10a}$, LD$^{10b}$, LV$^{14}$, LP$^{12}$, LLP$^{15}$, Lin$^{13}$, LW$^{10}$, LZ$^{12}$, MJB$^{+10}$, MA$^{11}$, MM$^{10}$, MNC$^{15}$, NFI$^{17}$, ÖN$^{12}$, OK$^{14}$, PA$^{12}$, PAS$^{11}$, PDR$^{10}$, PR$^{13}$, PSL$^{+17}$, RPA$^{14}$, RM$^{10a}$, RM$^{10b}$, RLM$^{13}$, RGKR$^{17}$, SW$^{14c}$, SD$^{10b}$, SS$^{13b}$, SSH$^{16}$, SK$^{14}$, SSK$^{+13}$, VBG$^{+10}$, YZ$^{16}$, ZDWM$^{17}$], Solutions [Lev$^{19}$, AD$^{14}$, AD$^{15}$, AD$^{11a}$, AD$^{11b}$, Beu$^{11}$, CZ$^{18a}$, CB$^{13b}$, DGST$^{17}$, Er$^{14}$, JLV$^{13}$, KMM$^{13}$, LLL$^{12}$, LLL$^{13}$, sL$^{10}$, MC$^{12}$, MSZW$^{11}$, MK$^{10}$, MNO$^{11}$, NO$^{12}$, PAS$^{11}$, PS$^{14}$, SR$^{12}$, TD$^{14}$], solvated [WF$^{14}$], solvation [ZPH$^{+15}$], solve [AD$^{14}$, AD$^{15}$, AD$^{11a}$, AD$^{11b}$, DG$^{10a}$, JSL$^{16}$, ÖN$^{14}$, RJ$^{11L}$, SS$^{13c}$], solved [ACMM$^{10}$], solvent [CB$^{14}$], solvent-filled [CB$^{14}$], solvents [ZBG$^{+16}$], Solver [DSW$^{15b}$, BMC$^{+11a}$, BMC$^{+11b}$, BKOZ$^{16}$, BAR$^{12b}$, Bot$^{13}$, BC$^{11}$, CVK$^{+17}$, CP$^{15a}$, CPV$^{13}$, CCL$^{18}$, CZF$^{18}$, CRL$^{18}$, CRA$^{10}$, CFF$^{19}$, CB$^{14}$, CDR$^{+15}$, DFL$^{16}$, DGG$^{13}$, DM$^{12}$, Ein$^{16b}$, Exl$^{17}$, FJK$^{+17}$, FSC$^{13}$, FE$^{11}$, FZY$^{17}$, GS$^{15}$, Gai$^{17}$, GBP$^{13}$, GJ$^{14}$, GJ$^{13}$, GG$^{16}$, HWG$^{13}$, HZW$^{+19}$, HWM$^{+15}$, Hua$^{17}$, HCHW$^{11}$, KDM$^{17}$, KYN$^{+17}$, KH$^{12}$, LYP$^{14}$, LW$^{14a}$, LC$^{15}$, LCKM$^{14}$, LYY$^{+17}$, LF$^{12}$, LWJ$^{18}$, LWP$^{+17}$, LCHM$^{10}$, LCHM$^{13}$, MC$^{16}$, MTE$^{17}$, MGL$^{16}$, MR$^{14}$, MCM$^{+12}$, ML$^{14}$, MF$^{15}$, MVS$^{15}$, MCL$^{+17}$, OILK$^{17}$, ORS$^{+14}$, PZY$^{16}$, PMS$^{+17}$, PBD$^{+15}$, Qia$^{16}$, RVDS$^{16}$, RDVS$^{18}$, RC$^{13}$, RC$^{16}$, SVGS$^{18}$, SV$^{19}$, SKFP$^{16}$, SSX$^{14}$, SGW$^{17}$, SLEF$^{17}$, TL$^{17}$, Ter$^{17}$, UKKB$^{19}$, VV$^{12}$, VV$^{18}$, WBS$^{+18}$, WC$^{13}$, Wit$^{14}$, sX$^{14}$, YXT$^{+15}$, YWOD$^{19}$, ZAG$^{+14}$, ZPH$^{+15}$, ZPV$^{+16}$, ZCG$^{17}$, ZPS$^{+18}$, HB$^{13}$], solvers [AL$^{17}$, BS$^{+18}$, BB$^{13b}$, CB$^{18}$, CGM$^{17}$, CBB$^{+10}$, CSV$^{+18}$, DBMR$^{18}$, DZ$^{13}$, FR$^{15}$, GWG$^{+11}$, HC$^{17}$, Hoh$^{18}$, JH$^{+19}$, LV$^{15}$, Qia$^{16}$, VLPPM$^{14}$, zYCG$^{+18}$], Solving [BAK$^{+15}$, BAK$^{+16}$, BAK$^{+17}$, CD$^{12}$, CBB$^{+10}$, Dem$^{13}$, DPB$^{16}$, DSP$^{15}$, ENEO$^{15}$, Fan$^{19}$, Fil$^{13}$, FGG$^{11}$, HAK$^{+14}$, HA$^{13}$, HS$^{14b}$, IH$^{11}$, JC$^{16}$, Jan$^{10}$, LV$^{10}$, RHH$^{12}$, SmdONF$^{14}$, VSO$^{+13}$, BK$^{11b}$, BMBC$^{+17}$, CS$^{10}$, CKK$^{+13}$, DT$^{10}$, DM$^{17}$, FGR$^{14}$, GBSY$^{18}$, G$^{15}$, HLLH$^{16}$, HM$^{12b}$, JP$^{11}$, Jal$^{10}$, Jiw$^{15b}$, LLMW$^{17}$, LBB$^{+16}$, LYSS$^{+16}$, LAG$^{+17}$, MLS$^{10}$, MM$^{12}$,
Some [CEPI10, FG13, HWCdM19, MR13, MS15, ZHSL13, Er14, Ixa16, KD16].
source [AZ17a, AZ17b, AFZ17, AFZ18, ATCZ19, BCP16, CMC15, CHC11, CFW17, CDR15, DSK19, Dan11, DGJH19, DBP18, DLF16, FLA16, HSF15, HKvH16, HWM15, Hua17, JWC18, JNN12, KDM17, KKS14, LPC15, LZ11a, LZ11b, LZ12, MK10, MZE13, MSNI11, MMY19, MVS15, MGFRG12, NMS14, NGCl12, ORS14, SC16a, SPAW17, SAHP15, SDL16, TL17, TACA15, VBG10, VB19, WGG16, WGG19, WFV14, WPAV14, WZS18, XAPK14, Zag14, ZCG17]. Sources [EW14b, EW16, EEGW12, KM10, ML14]. Space [BBB17b, FDZ17, JKG18, BG11, BAK15, BAK16, BAK17, BY17, CDBM16, CVK17, Chr18, CSV18, EUT15, Evs14, FZ16, FGLB12, GTS14, GBSY18, HLW16, JBM17, Jia18, KKL18, KS16b, KSW15, KS15, LOK16, MDHD18, MC16, MFB10, MJB10, MGB18, MS12, MSH11, NAQ16, OBH10, OKC11, OOK12, dIRJL14, PSB11, PSBT12, QYM11, QA13a, Qia17, SP16, SCRS17, SA15a, SBH12, ZD15].
[CMJ+11, SNG+11]. **spectroscopy**

[GSB+14, Hoh14b, HTT13, HTT14, LCL+11, MGA+13, RMW13]. **Spectrum**

[FCC15, Rui13, AB10, AhPSSV15, Bru13, CI09a, Gar19, GWF+16, GCF+17, JK13, KZ11, MZ14, OCL+13, Rom15, SCS12, SAE+16, ZUT13]. **Speed**

[LGW13, MSR+17, CNS+18, JTP15, MTE17, WLM14, YvOSM15]. **Speed-up [MSR+17]. Speeding [GMC18, MED11, KC14]. Speeding-up [GMC18].**

[SGS14, Hoh14b, HTT13, HTT14, LCL+11, MGA+13, RMW13]. **Spectrum**

[FCC15, Ruf13, AB10, AhPSSV15, Bru13, CI09a, Gar19, GWF+16, GCF+17, JK13, KZ11, MZ14, OCL+13, Rom15, SCS12, SAE+16, ZUT13]. **Speed**

[LGW13, MSR+17, CNS+18, JTP15, MTE17, WLM14, YvOSM15]. **Speed-up [MSR+17]. Speeding [GMC18, MED11, KC14]. Speeding-up [GMC18].**

[SGS14, Hoh14b, HTT13, HTT14, LCL+11, MGA+13, RMW13]. **Spectrum**

[FCC15, Ruf13, AB10, AhPSSV15, Bru13, CI09a, Gar19, GWF+16, GCF+17, JK13, KZ11, MZ14, OCL+13, Rom15, SCS12, SAE+16, ZUT13]. **Speed**

[LGW13, MSR+17, CNS+18, JTP15, MTE17, WLM14, YvOSM15]. **Speed-up [MSR+17]. Speeding [GMC18, MED11, KC14]. Speeding-up [GMC18].**

[SGS14, Hoh14b, HTT13, HTT14, LCL+11, MGA+13, RMW13]. **Spectrum**

[FCC15, Ruf13, AB10, AhPSSV15, Bru13, CI09a, Gar19, GWF+16, GCF+17, JK13, KZ11, MZ14, OCL+13, Rom15, SCS12, SAE+16, ZUT13]. **Speed**

[LGW13, MSR+17, CNS+18, JTP15, MTE17, WLM14, YvOSM15]. **Speed-up [MSR+17]. Speeding [GMC18, MED11, KC14]. Speeding-up [GMC18].**
[HP14, BCDI12, DJ11, GM18, Mar15, SCLW16, TH17]. **Standard**

[AB10, AAB⁺10a, BM19, DET12, Deg15, ABB⁺14, AbDa15, AC17, AMRDa17, Ano10, Conv13a, Cou13b, GLX⁺14, ABC⁺18, BCP11, BCP13, HLM13, KPVI16]. **standing** [ACTP15, BMF⁺19]. **star** [SEW12, SEW14].

**Stark** [CFSK14, PMMW15]. **Stark-effect** [CFSK14]. **STARlight** [KNS⁺17].

**stars** [VPM12]. **start** [SDJ⁺12]. **starting** [RLS16].

**State** [RSBB14, ASEA14, BP12, BKS15, Bis15, BK11b, BTC⁺17, CR13, DBK⁺14, DLW⁺18, Eba13, ELL⁺17a, FTT18, Faw10, FDWC12, GM14, HM12a, JPCG15, JWL13, JTT11, JMG⁺17, KO13, KSY17, MST⁺18, MEG12, NDSH18, OK12, OML11, dRPL11, Pat12, RLS16, TPC16, WXY14, XZF12, dSF18].

**state-of-the-art** [Pat12]. **state-to-state** [ASEA14, BTC⁺17, TPC16].

**States** [JWC18, ABDR17, ACTP15, AM17, BR13, BVC13, CWW15, Dua12, FLE19, GH11, JMG⁺17, MST⁺18, NDSH18, SK15, YTYA17, ZNT15, dSF18].

**static** [Fuk17, GB17, dRL11].

**stationary** [AD14, ABDR17, Fis12, GG16, MGL16, VDAH16, ZAHA10].

**Statistical** [Bin13, Mag18, SLC11, SM11, Ano11o, CSRV13, ELL⁺17a, Fre17, JCL⁺18, LH11, MW12, PMMF15, Sin11, Sin12a, VLM11, ZF15].

**statistics** [Zlo14, dSVLP13].

**steady** [Bis15, HJGL18, JMG⁺17, KSY17, MST⁺18, NDSH18, SK15, YTYA17, ZNT15, dSF18].

**steady-state** [JMG⁺17, MST⁺18, NDSH18, dSF18].

**steam** [CLW11].

**steered** [ZF15].

**steering** [MMC10].

**stellarator** [HSD17].

**stellarator-like** [HSD17].

**stencil** [VV16].

**stencils** [DSPJ10].

**step** [ABH⁺19, BM13, BIT12, DT10, FGR14, FTAH17, GM16, JCL⁺18, LS15b, LWY11, MAC12, MC10, NS15, OKS11, PAS11, PS14, Ram14, SVV19, SB11, SS10b, Ume18, Ume19, WZ13, YZZ11].

**step-selection** [ABH⁺19].

**step-size** [BM13].

**stepping** [AH13, DJ14, IBP⁺15, QWZW18, SHT18].

**Stern** [CBB14].

**Stewartson** [GML15].

**Stieltjes** [GLX⁺14].

**stiff** [LL12].

**stiffness** [BW11].

**STM** [MAC12].

**Stochastic** [EPB⁺16, JP11, LL12, NEW⁺18, ÖKC11, PLCC12, STT11, SMJ17, WST15, ZE11, ZE16, ZBMM11, AD15, BDVG11, DBJ11, DHJ13, DSP15, Er14, FRW17, GJL12, GMO19, HJJ14, JK10, K17, KBSP12, LP15, NBM⁺15, NH17, PCVZ11, SJ11, VBC⁺12, YK12].

**stock** [KCL11].

**Stokes** [BKOZ16, EW14a, Fdz17, FBHB17, FM15, LWJ18, MVS15, S116, SK15, SP18b, VSO⁺13, ZPS⁺18].

**Stokesian** [BHND16].

**Stomo** [PR12].

**stopping** [AG12a].

**storage** [Ano11o, BMC⁺11a, CLH⁺17].

**strahlung** [DDKM15, BHZ13].

**straight** [BL18a, dJBM16].

**Strain** [LHSL14, KCA⁺15, Laza15, WP10a].

**Strategies** [KS15, ABB⁺19, DCCG13, FSJ⁺16, HJ17, SKH⁺10, ZHSL13].

**strategy** [BPMM14, BHVM15, CMVRVR16, CXG⁺19, FHTO17, LKM⁺16, LWL12, NM14, WLN17].

**Stratified** [SSBS15].

**Stratonovich** [KD17].

**streak** [WS11a].

**Stream** [YTYA17].

**streaming** [CO11, ST19, WFV14].

**Streamline** [DCM⁺12].

**strengths** [SS13a].

**strength** [SW14a].

**strengths** [SEW12, SEW14].

**stress** [CHDCJA17, KCA⁺15, Voy13].

**stress-fluctuation** [Voy13].

**stresses** [Van15, YK18].

**stretching** [BJ11].

**stripe** [WWVB11].
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**T** [HD17, PC11, NDSH18, MB16], **T-matrix** [HD17], **t-SURFF** [MB16], **T3PS** [Mau16]. **table** [JTH14, LYJY10, Wei11a, vSGB+18]. **tackle** [CKS10]. **tag** [DKT14, HLS12]. **tag-mediated** [HLS12]. **tadpoles** [Pik18]. **tangents** [PR10, PR12]. **Target** [DAW+19, GC13, HHT14, Rtv16]. **targets** [BAK+17, HC16, LHZ+15, MSR+17, SMOB19]. **Tartarus** [SGSG19]. **task** [TGH+16]. **task-based** [TGH+16]. **tasks** [HWT10]. **tau** [SW14c, Wan10a, HTT13, HTT14]. **TAUOLA** [CPWZ18, DNP+12]. **Taylor** [WG12]. **TaylUR** [vH10]. **TD** [HM17]. **TD-DFT** [HM17]. **TDDFT** [PVK+18, PUO14]. **TDDS** [GLHR19]. **TDF** [SGDS16]. **TDHF** [MRSU14, SRS+18]. **TDSE** [FZY17, ON14]. **TE** [LS17b, LSSW14]. **tearing** [HSK+12]. **Technical** [DNP+12, DPW16, LS15a]. **technique** [BALV16, BCDP18, C510, DG10a, DG10b, DM17, Eba13, EKDG15, GHH114, GGG16, GTS14, Hon10, JAS17, KN13, Koh15, KR16, LLX14b, NPA11, NDSH18, NVAFO18, Ram10, SK14, TH17, VDB14, WLS13, WDR16, MAIVAH14]. **techniques** [BCS10, BD12, BJM15, BYSG19, BW12, GSB+14, JZJ18, KHKR14, LAC+17, MIW+13, MC12, OHD10, PLF+17, RGH10, RWKS15]. **technological** [CMdB11]. **technology** [DM12, MSI+10, RB18]. **telegraph** [PKT15, XYK12]. **telescope** [ECD+10]. **tell** [KSL+11]. **TEM** [KQYH17]. **Temperature** [HST+11, HEN+11, OBM19, BM16, CM10a, GB14, HvWT17, Hin11, KST14a, KCT15, KA17, KGNS10, Liu13, LK15, Liu15a, LJD+19, Mil6, RF16, SLK19, SLC11, SC15, SC16b, SPSP18, VdLF14]. **Temperature-controlled** [HST+11]. **temperature-dependent** [SLC11]. **temperatures** [Wai12]. **tempering** [Boe14, FFT+14, JJ15, VdLF14, VDF15]. **Template** [LHL11, BJ14]. **TemplateTagger** [BJ14]. **Temporal** [MDF11, SCB+17a, YHCS11, IBP+15, KEH12]. **TENO** [Fu19]. **tensile** [SCM+18]. **Tension** [RM10a, DIR+19]. **Tensor** [SPS18, BK12, Bre10, DDK14, DLW+18, GCH+18, HR11, KAK12, KK14b, KK14a, KCA+15, Lyu15, MK19, NKS15, Nic18, PGO17]. **Tensors** [Dep17, Ara14a, Ara14b]. **term** [Pla16]. **terms**
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translocation [KSH11, dHGCS11]. transmission [GCVA14a, HTT13, HTT14, MD10a, PYW+14, SVGS18, WHB16].
transmutation [CLF18]. transparency [WL11b]. Transparent [NPM16, SP18a]. Transport [CP15b, VC10, ASPDL+16, BDPM15, BTL+17, CVK+17, CCXC15, CXG+19, CAGL13, DSP15, EY11, FUSH14, FVH18, FZ16, FLSZ13, FRFH10, FR15, FM15, GZL14, GLHG12, HBE10, HCC14, HF16, Ihn12, Jab19, JA17, KLR11, KYKN15a, KYKN15b, KPK+17, KKS18, LLE+18, LCKM14, LRK13, MD11a, MCV18, Mar15, MS14, NPM16, NBC18, OBH10, PPV+11, PLF+17, PMS+17, PBF+16, PFFK19, PVK+14a, PVK+14b, PMVG16, RF16, RDC+18, RB18, SL16, SISW10, SCJH19, SK12, SD14, SCW+11, SF+14, SC15, SC16b, Tic10, Tic14, WRFS15, XJS16, YSN+14, ZFR18].
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two-center [FEH11, HEF12, LSDD14, VvAV+11b].
two-color [DT18].
two-component [Eba13, Erm18, TZM17].
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Two-dimensional [VK14, AH13, CAN11, CC10b, CC12, CHZ18, Dan14, Dan16, Dan17, DG10b, DS11b, JEFP14, JPM12, KS14a, KYY15b, KO12, KO13, LLSK17, LST15, LH1+12b, LR13, LR16, MSZW11, SLR16, SDJ+12, SJW10, TT14, XZ12, dTOV18].
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Units [Boe18, APRG11, BK11a, BHS18, BCW13, CDS13a, Col14, DBDP12, DS11a, DF13, FSH13, FUSH14, FCVH17, FVH18, Fil14, FZY13, HAN+16, LAS+17, MED11, NPAG11, PLD+13, SH12b, TD11, WDL11, WWFT11, Dem11].
Unsteady [FJK+17, SL14, TY10, Tia11, TCP13, TPC16, Uty14]. unstructured [ASGLK10, AK15, GLHG12, BHS18, BCW13, CDS13a, Col14, DBDP12, DS11a, DF13, FSH13, FUSH14, FCVH17, FVH18, Fil14, FZY13, HAN+16, LAS+17, MED11, NPAG11, PLD+13, SH12b, TD11, WDL11, WWFT11, Dem11].

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wall-bounded [ZPS+18]. walled [CSL+13, LHS114]. Wang [San15, BR13, Boe18, CND11, KO12, KO13, KO14b, Kom15a, Kom15b, Kom15c, KO16, PEM1S19, SMJ17, Sin12b, WSTP15, YK10, YL12].
Wannier [AWK+16, BCC+18, ERP+12, KAW+10, MYL+14, NGM+10, PMMW15, PVK+14a, PVK+14b, PMVG16, SPM11]. wannier90 [MYP+14].
WannierTools [WZS+18]. warm [MCP+11]. water [HDM+12, JTN+11, JXTS16, MA11, ORS+14, QM10, SGM11a, SGM11b, STA18, SBPN15, SA14].
watershed [ORS+14]. waterway [San11]. Wave [RCGT16, SS14, AV13, AM14b, ABH+19, Bad11, BF16, BMF+19, CKT17, CLJ12, CZL+11, DS11b, DN13, DZ13, DKSG16, DHR14, DA16, EUT+15, FKY18, FM12, GB14, GBS1Y18, GCC+18, GCVA14a, HK15, HZ11, HHC+10, JCW+13, JGAL+13, KH11, KM10, Kir10, LT15, LZZL10, sL10, LYL+17, MDHD18, MED11, MFB+10, MA11, MSH11, OWS+14, PG10, PYW+14, PQTGS17, PMMG16, SPMM11].


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