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Title word cross-reference

(1 + 1) [SP18a]. (2 + 1) [HP14]. (MC)3 [KSW15]. 0 0 0 1 [Dan19]. 0 0 0 1 [Dan19].
[CC14, Gio14a, HTT13, HTT14, MGL13, PM16, RKVL14, SBH14, WNYP17].
1 + 1 [Fan19, SÖÖN11]. 1/2 [HvWT17]. 1 / t [AM17]. 2
[APC14, BBB17b, BV10, DLM18, ÉW14a, FJK17, FK12, GCVA14b,
Gwi12, Ixa10, JCL18, KO14b, KO16, RAV11, SW14a, SW14b, SA15b,
SKK11, SW11, TMA15, TY10, TKL12, TPC16, VLM11, WMRR17,
WRMR19, YLN17, YTYA17, ZSW17a]. 3
[AV13, AM19, AGMS15, BAR12b, CP15a, CPC18dM18, CdLOL19, DGG13,
FLZ18, FRFH10, GS15, Gai17, GMF17, Giu19, GG16, GX15, HKJ12,
HDM12, JEC12, JCL18, JK16, KAK12, KL11, KO14b, KO16, KMJS16,
LHJ10, LHC13, LX14, LKW11, LBP15, MGO13, MCP11, NHD16,
NCP18, PR10, PGM14, QSC14, Qia17, RF15, RS12, RJLL16, RHBH15a,
RHBH15b, TGH16, TIM16, VMGP19, WNYP17, WRBL19, YKK19,
ZXL16, ZDD16, ZSW17a, ZFR18]. 3 + 1 [KHB14]. 4 [GGF13, dSLF13]. 5
[BHN+16, CCM12, HCM19, LL15, MM11]. -Reverse [SGNL17]. -scattering
-states [LB10a, LB11, LB12, LB13]. -topologies [ABB+16]. -type [WL11b].
-values [Wie13].

/Python [SV14].

1 [BRH+16, TU14]. 1-loop [DNPS13]. 1.0
[FYK18, KPK+17, RVDS16, SHW18, SNG+11]. 1.1
[LS15a, MSHL17, SRS+18]. 1.2 [CGV13]. 1.3 [DGPW11]. 1.4 [Wie15]. 1/2
[Nat10, Ram10, Ras17, Wu10]. 181 [ERS10c]. 182 [SGL11a, Sco13]. 183
[YQM14]. 184 [LR16, SIMGCP14, ZTG14]. 185 [AAT+20]. 186 [KYKN15a].
187 [RHBH15a]. 198 [Ano20].

2 [AHH+19, AMR+18, CKFB12, DLU18, DDK+17, DES+11, Fcn16, FP14,
HD17, HM12c, JNN13, LS17b, dRL11, dRPL11, dRJL14, PGD17, PR12,
RNdB19, RSB14, TBB+14, ZE16, Cro16]. 2.0
[AFIS12, ACD+14b, ABH+18, BCH13, BHS15, DDKM15, GLPQ11, GBR+14,
GTK+19b, HEPW13, HHS+10, KRM+19, Liu15a, LRR+15, LCR10, LG14,
PSMS14, Pat17, PBL+18, RVDS18, Szy+12, Szy+13, Sha16]. 2.0-Hybrid
[GBR+14]. 2.0.0 [BBH+11a]. 2.0.2 [VRV18]. 2.02 [DIR+19]. 2.1
[BH13, CNMC10a, PSMS15, QGLP13, Szy+13, YZCS18]. 2.2
[YZCS18, ZYL+15]. 2.8 [OK12]. 2.9 [OK18]. 2014 [MAM14]. 2019 [Sco19].
213 [AZ17a]. 220 [Maž19, MLK+19]. 228 [SJY20]. 230 [Wei11a]. 2d
[ERS10c, ERS10a, ERS10b]. 2HDME [Ore19]. 2nd [FMRP16]. 2ODEs
[ADdM14].

3 [CZ17, GLR17, LS17a, NGG+13, Pos18, Smi14, vH10]. 3-state [MEG12].
3.0 [BJH+15, CXH+15, CK19, GCVA14a, LHWL16]. 3.1 [PS12]. 3.2
[LHG+19, Sem16, Sta13]. 3.4 [BCP13]. 39 [AANAJ12, MSNI11]. 3C
[Dan17]. 3V [CC14].

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, GHN19].
8.2 [SAC15].

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

= [LQZ+13].

[KMO19]. Ab-initio [NSH+19, BKS15, QZ19, RH11]. abelian
[MGS13, SV13]. ABINIT [ERP+12, GJA+16]. AbinitioD [GTK+19a].
ABJ [Pre18]. abrasion [EBCB+14, EBCBG17]. abrasive [EBCB+14].
Abrikosov [Ma´z19]. abscissas [Odr11]. Absorbing
[NVW+13, DV11, Wil19]. Absorbing-like [NVW+13]. absorption
[HZC19, VDA+19, YC¸ ¨O15]. Abstract [SBQ14]. abstraction [BBB+19].
abundances [Arb12], accelerate [XHLUF+18]. Accelerated
[CGSB18, FSH13, JP11, SDS15, Sza13b, Sza13a, BS14a, BWB+17, BCFR15,
BV10, BTL+17, Cap13, CP15a, CGRB14, CH11b, CRB+17, DS13a, Exl17,
FOB+15, GP13, GJ13, Ham11, HTJ+16, HXW+13, HbotRC15, KEH12,
KMI0, LGW13, LWRQ16, MAWK18, MFM15, MHR+13, Ngu17, PR14,
PBS+17, PQTGS17, Sai10, iSYS12, SKM15, WSH+14, XLX13, ARYT17,
ELDS14, GHR+16, TL17, WXW14]. Accelerating
[BK11a, Col14, EGT+18, FZY13, GM18, HV15, JK10, KLO+19, LHL16,
RPL+14, SCJH19, SAY+18, SAN18, TK14a, WXW13, Kra18b, RB18].
Acceleration [ABDR17, BW12b, PE17, SM19, CBYG18, DRR16, ELL+17a,
GCC+18, HE13, HPN18, JPCG15, KPA+19, LAG+17, MHR+13, OP12,
RLMGM+11, YLO13, ZWC+19]. accelerator [CdFDS16, HDF+19, TM19].
accelerators [KHBS19, LV19, MFS+10a, PR14, SM11, WWR+16]. access
[GGI+13]. accessible [BHW+12, LPBH11]. accompanying [SS13c].
Accord [ABB+14, BBC+13a, MHA+12, Sta19]. accretion [Lan13].
accumulated [Wal11]. Accuracy
[LOK+18, AQJ10, CLH19, HHIC16, NHS14, Pit10, WEH+19]. Accurate
[BTM+17, DSLP11, GS17b, GS17a, IP14, JYPA18, JZZ+19, OT11, SW14a,
Van15, BW16, BDJS18, BL19, CZZ+19, CdLOL19, CSP+19, Cou13a, Cou13b,
DG10c, GJ18a, GJHF14, HBP+15, JK19, JSLM16, KAK12, LV14, LC12,
LC15, MN16, MGF+13, PM16, PFFK19, PG10, PSP16, SC16a, TC11b, TL19,
TW15, WLQ+17, nZiXL15, ZBN+19]. accurately [BMBC+17]. AcerMC
[KRW13]. Achievable [GSKM15]. acoustic
[HKVH16, IP14, LYL+17, MSHLS15, MSH17, WP10b]. acquisition
[Fe15, MGFRG12, RMW13]. action [ABB+19, CK18, Eys14, Wall11].
activate [TIMM13]. activation [BUJ15, PCR17]. active
[Cly11, MTE17, OOGP19, SZM+14, DAW+19]. Activity [PCR17, BT17b].
ADAIS [ZFZ19]. ADAMANT [ML14]. Adaptable [DS1la, BCM+16].
adaptation [DF11a, JG16]. adapted [WPA14, WW10]. Adapting
[CUL+17]. Adaptive
adaptive-resolution [ABRS12]. adaptively [JL19]. adaptor [BV13].


Algebraic [JZJ18, CM10b, FLW17, GLZ17, JH+19, Kap12a, Kap12b, NS15, SS10b, WR16]. algebras [Eks11, FK15, HR11, Naz12]. Algorithm [BR11, VRV15, VRV18, Wan10b, ART17, Alv12, AZM14, AM17, AFZ17, AFZ18, ATCZ19, BK13a, BWB+17, BJCW13, BR13, BVC13, BCM+16, BO12, BNO17, BRu13, BY17, BMDP19, CM10a, CHNS18, CNS+18, CC14, CC15, CXX+19, CXX+19, CDS+13b, CZGC19, CGRB14, CBG17, CBAM12, CLF18, DKG16, DE13, DG10c, DG16, EZL+16, Eme11, ES11, FLA+16, FSJ+16, FRG12, FZ16, FKH15, GCF+17, GJ18a, GJLB12, GST12, GV15, GZW17, GTL11, GD14, GES13, GLX+14, GX15, GJ18b, Gwi12, HGCARM15, HWT10, HK15, HCH16, HP11, HZW+16, JRT12, JRT13, JWJL12, JC13, JWM+18, JvOK17, JJ15, JPK+12, JKG+18, KP12a,
Algorithmic [HB12, Mey18, GHR16]. Algorithms [Fri14a, KD17, KBLJ18, Pan15, TK14a, BS14a, BK11b, BAF18, CWJ19, CLH17, CCW10, CR12, CF17, CLB11, DS11a, DS14, Dim14, DS13c, ER19, FDWC12, Fri10, FHA17, GBR14, GWF16, GJL15, GSC16, Has11, HLLH16, HRC11, Hou18, HVMR10, HCSW10, JPH14, KMS19, KK17, KME11, LBM14, LI15, Mag18, MD11b, MA11, PBS17, STK10, SGM18, SJ17, SHa18, SMJ17, VPP12, VUK12, WG11, XQ19, ZHC16, dSF18].

GMHZ19, HCRD14, HTJ+16, HBP14, JHL+15, KPPC13, LOK+16, LWJV18, Mar19, NDSH18, OILK17, PEMSI9, PS11, PB16, RWKS15, SPTPR19, SV14, SCJH19, Sva12, TFBW14, TC12, WZS+11, WX14, vRWS14, HD17, MFM15].

application-driven [BJBC+14]. application-programming [SV14].

Applications [CM10a, HH11a, sL10, RBB15, VDF15, Asc10, BDPM15, BKA+14, CMSV14, CCY18, Dim14, DBK+14, FUSH14, FOB+15, GMHI11, GCRL15, HM18, JHH+19, JTW+17, JKG+18, KV10a, KMM16, LM12, MCAFI14, MF+13, NPM16, PBL+18, Ram10, RDC+18, SaI13, SHW18, SKSK13, TK14a, Veb12, WJCZ18, ZS13, MD11b].

applied [AHK+12, ASS13, BUJ15, BAR12b, DKSG16, FBN+13, GMH11, GCHL15, HM18, JHH+19, JTW+17, JKG+18, KV10a, KMJS16, LM12, MCAdF14, MF+13, NPM16, PBL+18, Ram10, RDC+18, Sai13, SHW18, SKSK13, TK14a, Veb12, WJCZ18, ZS13, MD11b].

Applying [HKZN17, KSH11, BS14a].

approach [ASS18, AV13, ABF19, AGVP10, Ano20, AKKK16, ADdM14, Aza13, BD12, BOGL17, BSK+18, BTC+17, Bot12, COK19, CSC11, CNMC10b, Cho11, CKC11, Dan12, DF11a, DUC+19, DBP19, EKO16, ERP+12, FM12, FLW17, Fri19, GLAC13, GMLC+18, GR19, Gen10, GS14, GLX+14, GCV14a, HO13, HFSK12, HCC14, Ixa16, Jiw12, JHL+15, JSLMI16, KK16a, KY14, Kan14, KLKR11, KP16, KKL+18, KV10a, Kra1b, KSYY13, Lan13, LHJ+15, MGRB11, MRL10, Mzb19, MB+10, MC10, MKL+17, MKL+19, MCP10, MCRC16, N10, ON14, ONS+15, OCR17, OK14, PC11, PLD15, QJF16, RS12, RM10a, RHC15, RJL16, RCH16, RCH19, SGAA18, SL18, Sch14a, SK11, SCM+16, SMC+17, SBS15, TVGB15, TGH+16, TUY15, VBMP15, VB19, WGI16a, Wei99, WFV14, WAW14, XYZX19, YLK10, YK18, YG12, ZL17, ZLL13, Zii14].

approaches [AMR15, BDP16, BVSG19, CM10b, DS10, VEM12]. Approaching [mZfXL15]. Approximants [IH11]. Approximate [CB13b, Hei12, JL10, Cm17, JC13, KMM13, LLL12, LLL13, MSR+17].

approximated [VDF15]. approximating [FM12]. Approximation [SMJ17, AQJ10, BKOSZ16, BK12, Cone1a, Cou13b, Evs14, Kau13, KK14b, LY16, MJKB18, PDRG10, Ram10, RVDS16, RDV15, WSTP15, WC15, Wit14, DVB11, YLO13, SKB10].

approximations [Ike18, LO14, TK14b, ZY19b]. AQUAgpu [CP15a].

aqueous [Beu11, Mar19]. arbitrarily [KMM16, OL12, VSG18]. Arbitrary [Asc10, Tic14, Ara14a, Ara1b, BBH+10, BCIH13, CCD+16, CLHL19, CC10a, ECH16, FRW17, GM16, HSD17, KAH18, MSRL10, MSR17, NO14, NMR15, SH12a, Sta12, SW14a, SVV19, SS11a, V16, VH10].

arbitrary-order [SV19, vH10]. arbitrary-rank [Ara14a, Ara14b].

arbitrary-shaped [HSD17, MSR17+]. arc [JTN+11, SCNJ18, SPAW17].

Architecture [PMS+15, SCC+12, BW15, CRA10, Dan12, EGT+18, GBK+12, MR14, NBW16, SM19, YLQ+17]. architecture-independent [EGT+18]. architectures [DS14, HDM16, HWCD19, HAV+14, HWT10, NBN+14, PH13, RDN+17, TRM+12, TGH+16, VLPPM14, WEH+19, WFV14]. Arduino [KSH14]. area [BH+12, EVB14, QLN14, YLK10]. argon [JTN+11]. argon-water
Augmented-Wave [RCGT16, JTH14]. auto_derivative [SF10].
autocorrelations [CDS+13b]. AutoDipole [HMU10]. automata
[FBG10, PC11]. Automated
[AC13, ADT+19, BSWC14, HBP+15, HMU10, JC13, JC14, KHKR14, KH10,
Per14, SPM11, YFAT17, HR11, HKVR10, UW12, ZSW+17a, ZLZ19].
Automatic [CF16, DAW+19, Deg15, GAGW16, LV13, LHWL16, MV11,
MO14, Ram19, RC11, Sta11, ZZ17a, ZFZ19, dALM+12, CD15a, CD15c,
Cha16, DZ15, GIO18, Koi14, Koi15, LLQX19, Liu15b, OK10, Ros16, Sen16,
Sh1a3b, SF10, VKS16, Wei15, XWZh13, YB13, ZPH+15, Zlo13, ZUT13, vH10].
automation [GBS+16a, GHvSF14]. automatized [Str15].
Automatizing [TdAdSS11]. automaton [FGC+11, JEFP14]. autonomous
[Bla15, BCT17]. automated
[AC13, ADT+19, BSWC14, DAW+19, Deg15, GAGW16, GV16a, LV13,
LHWL16, MV11, MO14, Ram19, RC11, Sta11, ZZ17a, ZFZ19, dALM+12,
CD15a, CD15c, Cha16, DZ15, GIO18, Koi14, Koi15, LLQX19, Liu15b,
OK10, Ros16, Sen16, Sh1a3b, SF10, VKS16, Wei15, XWZh13, YB13,
ZPH+15, Zlo13, ZUT13, vH10].
B [CCK23, CHW+15, HM17, LQZ+13, BH16, BSC+13, Fis11, Jiw15b,
LD10b, LX12, RH15, RCH16, ZF16]. B-DNA [BSC+13]. B-spline
[BH16, Fis11, Jiw15b, LD10b, LX12, ZF16]. B-splines
[RHC15, RCH16]. BACHSCORE
[SGSG19]. B¨acklund [MWCY14]. Backward
[KSYY13]. balanced
[BS15b, EDZ19, ER19, FGR12, FN17, GMF+17, JFHA19, SKSK13].
band
[CKSM+19, CRBG14, GP13, HC16, HLTW19, LOK+16, LHS14, MD10a,
MC18, QDZ+13, RJ12, SW13a, SCG11, Zlo13]. band_gap
[MD10a, SW13a]. band-structure
[CKSM+19]. banding [SSF+14]. bands [ZD15].
bandwidth
[CSV+18]. Bank [DPK+15]. Baoukina
[BL18a]. Barnes [WSH+12]. barrier
[CHC+11, DT11b, Raw16]. barriers
[Den10]. baryon
[DE13, LCL+11, Nem16]. baryons
[CSSW10, WW13]. BASDet
[WG16a]. Basic
[BB14, BD12, BCW13, BDD10, BHI17, BALV16, BLS17, BK12, BRL12,
BMM14, BHT19, BDBV12, BADC12, BBBC19, BMW14, BOC14,
BO12, BPS+16, BCG+15, BC11, BS12, BBO19, BKK13, BKM14, BK16b,
CM10b, CCLL18, Cap13, CMVRB+14, CSPAD10].
[HS19]. **Bethe** [GGG16, GVS+15, SAW18]. between [ABB+14, AC13, Ano10o, BB13b, CDBM16, FD13, FHTO17, DRI+16, GZL14, LSK+14, PDC14, TJH17, USOA13, VC10, Yan11]. **Beyond** [BM19, HLM17, ABC+18, BCP13, BHJ+15, Deg15, DNPS13, DML+16, GTK+19a, HRC14, LSK+14, PDC14, TJH17, USOA13, VC10, Yan11]. **BGK** [CM14a]. **biased** [Sin11, Sin12a]. **biasing** [Gio14b]. **BiCGGR** [TKS10]. **BiCGSTAB** [NIK+12a]. **BiconeDrag** [SPTPR19]. **bidirectional** [FSF11]. **Big** [GR19, Hoh18]. **biharmonic** [SK15]. **bilayer** [FPY+17]. **bilinear** [MWCY14, Ram10]. **BilKristal** [OG14, OO15b]. **Bill2d** [SLR16]. **billiard** [TTS11]. **billion** [YBK+11]. **Bimolecular** [SAG13]. **Bin** [CMRVVR16, GGG+19]. **binary** [CM10b, GCC+18, JuIAM16, LM12, WLU11]. **binary-coalescence** [GCC+18]. **BiNCa** [BKA+14]. **binding** [BBH11b, HSF+19, HM17, Jac19, PDC14, RJKC16, SHNM11, YLYL17]. **Binoth** [ABB+14]. **bio** [BG13a]. **bio-molecular** [BG13a]. **biochemical** [HL19a]. **BioEM** [CRB+17]. **bioheat** [BBB17b, IBB18]. **biological** [BHVMH15, CRNK12, NBM+15, Yan11]. **biology** [DS10]. **biomass** [XAPK14]. **Biomolecular** [VPM16, YBK+11, CBB14, GCH+18, LCHM10, SCC+12, TVZ+15]. **biomolecules** [Mar19]. **biophysical** [JJ15]. **biopolymers** [PA13]. **BIOTC** [XAPK14]. **bird** [TBB+14]. **birthday** [Pat12]. **bit** [MP11, TC11a]. **black** [DIR+19, Gia19]. **black-hole** [DIR+19]. **BlackMax** [DIR+19]. **BlackNUFFT** [Gia19]. **blast** [SKH+10]. **Bloch** [CCW10, Dem13, SDL+16]. **Block** [CSV+18, DB13, FRFH10, JBG+16, JBG+17, LH18, SPS10, DKOS14, HM18, LW14a, NIK+12a, Nem16, STK10, SAY+18, SMUT19, TKS10, US16, VBS+17, WT15]. **Block-based** [LH18]. **Block-Krylov** [CSV+18]. **Block-pulse** [SPS10]. **Block-structured** [FRFH10, JBG+16, JBG+17]. **block-tridiagonal** [LW14a]. **blocking** [TSI16]. **blood** [BT1+17, CRA10, MMC10, MBS+10]. **Blue** [CRA10, BW15]. **Blume** [FLP10]. **BN2D** [SBPN15]. **BNL** [GFJ+14]. **BO** [sX19]. **Board** [Ano18c, Ano18i, 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, Ano14a, Ano14b, Ano14c, Ano14d, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano15m, Ano15n, Ano15o, Ano15p, Ano15q, Ano15r, Ano15s, Ano15t, Ano15u, Ano15v, Ano15w, Ano15x, Ano15y, Ano15z, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano16k, Ano16l, Ano16m, Ano16n, Ano16o, Ano16p, Ano16q, Ano16r, Ano16s, Ano16t, Ano16u, Ano16v, Ano16w, Ano16x, Ano16y, Ano16z, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i, Ano17j, Ano17k]. **Board** [Ano17b, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i, Ano17j, Ano17k]. **bob** [SPTPR19]. **bodies** [MN13]. **Body** [GBJ+13, GBJ+15, GBJ+19, ADT+19, BBC+13b, BY13, BRH+16, CBS13a, CKS10, EKO16, FCVH17, FEH11, GBJ+10, GBJ+12,

C [ADH+17, Ano11o, Ara14a, Ara14b, Aas14, BV13, COK19, CECGS16, DPW16, Ein16b, Fow18, GH18, GHN19, GC10, GC13, GC16, GC18, GCK19, Hl18, KvdO11, KPVI6, KLV15, KKO19, KYSV+15, KLM+19, LCJ10, LSDD14, LYSS+16, MD11b, MCAFD14, Sa13, SV14, SS12, Sch18, SWS+12, Smi15, SJHS19, St10, TS11, Ver16, VVB+12, Vuk12, YSVM+16, HFSK12]. C# [GBJ+10, GBJ+12, GBJ+13]. C-code [GC10, GC13, GC16, GC18, GCK19]. C-library [MD11b, MCAFD14]. C2x [Rut18]. Ca [CJH11]. cable [OVSI15]. cache [SSF+14]. caching [WMRR17, WRR19]. Cadabra [Bre10]. CADISHI [RK19]. CADNA [JCL10, LCJ10]. Cahn [KL17, LK12, LLXK16, XYXZ19, YZ19, ZFH14]. CalcHEP [BCP13, Sta10]. CalcHep/CompHep [Sta10]. calculate [BBU11, CATK11, FLE19, Fen12b, KA17, KST+14b, MPS13, Sar17b, SHZ13, UFKB19, ZKW+15]. calculated [HS16, LS12b, RJ12, YFA17]. Calculating [ABB+16, ECSH16, Fon12, LKM+16, AM10, AM11, Arb12, AMR19, BBL+13, BNV18, BBPS14, Brá15, CLJ12, EZBA16, FS17, FEH11, GPS+13, Hef12, HL19b, Jab12, Jab13, LZZ11, LCHM10, LCHM13, MCV18, MH11, NGL+10, PH13, PCR17, Pos18, SEW12, SEW14, STY15, STY18, SC16a, SPAW17, 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, Buc19, CMVRB+14, CMRRV+14, CHDCJA17, CYD11, CFSDK14, Cip11, Cip13, CM14b, DBDP12, DSS+12, DRR15, DPNS13, Eba13, ELL+17a, FWZ+12, GKM17, GAHP15, GM16, HLM13, HK15, HAN+16, JL12, KAK12, LPRPR17, LFKD18, LSF14, LKL11, LSCZ11, Liu15b, LHGF18, MGK13, MSNI11, MPSV15, MSL10, MSHL15, MSHA17, MC17, NKS15, Nik12b, ORCR17, PBMAD12, Pat15, Pat17, QZ19, QZM19, 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, ZZY10, APS+16, ART17, AC15, AC18, BK13b, BC10, BDPM15, DjdC+19, BH17, BBH11b, BS13b, Bor14, BHS15, CLHL19, Cas12, CKSM+19, CPV13, CCGC13, Cor14, Cri18, Dan11, Dat13, DN18, DSW+15a, DHS14, DA16, DO14b, DML+16, EJG+19, Ern18, FSH13,
calculations [VSG17, VCMS+13, WL11a, WR16, Wil15, XJS16, Zit11, VPM16].
calculator [ERS10c, ERS10a, ERS10b, HTY17, ZZH+16, ALL+11]. calculus [GLMG12, KD17, SBQ14].
Calibration [BMG+15, BDGM+17, Ost10, ZUT13]. callbacks [BV13].
calculus [GLMG12, KD17, SBQ14].
Calibration [BMG+15, BDGM+17, Ost10, ZUT13]. callbacks [BV13].
calorimeter [dAFdSVM12, GRZ10, BPMM14].
CALPHAD [TKP15]. CALYPSO [WLZM12].
cancer-related [SCW+11]. candidates [BBPS15]. CANONICA [Mey18].
Canonical [AS16, PA13, GA15, Mey18, Pra17, PLCC12, RMC16, Sit18].
capped [RM14]. Capture [SGAA18, GT19, SR12]. capturing [Fu19a]. Car [VCMS+13].
carbide [OPR14, PZL+19]. carbon [CBB14, KSL+11].
carcinogenesis [SCW+11]. cardinal [LD10b]. cardiovascular [MBS+10].
cards [GLB13, RPL+14]. Carlo [ZTG14, AFIS12, ASGLK10, AK15, ABB+14, ASPDL+16, AIG16, Ano10o, AK13a, AK13b, AMJ18, BKV16, Bar11a, Bar12a, BDP16, BVP10, BG11, BMW14, BG13b, BLG14, Bon15, Bon16, BHJ+19, BMDP19, BENK+17, CXG+19, CL11, CZGC19, CL15b, CKS10, CNS+14, CI11, CK19, DSH17, DGPW11, DEM19, DPK+15, Dem11, DDKM15, DKT14, EBDM17, ES11, FGGM11, FLE19, FW11, FDWC12, GTPS19, GA15, Gin10, GSB+14, GWF+11, GB17, HKZN17, HKZN19, HBE10, HMR14, HP11, HWM+15, Hua17, IUM13, JPS10, JLA+14, JA17, KOT12, KMO19, KEH12, Kan14, KRW13, KC14, KKK+17, KNS+17, KV19, KLO+19, KSW15, KPvdH13, LS14, LS15a, LS15b, LLE+18, LWL11, Lut15, MP11, MBRV+13, MRZ10, MEM+11, MW14, MHR+13, MMY+19, NPAD11, NHD16, NDSHS, NSXZ14, NBC18, NM14, OPO+11, OPSR13]. Carlo [OPR14, PZL+19, PEM19, PM14, RF16, Ram19, RMS+12, RV10, RV11, RB18, SH11, SGNL17, SFP11, SL16, SHT18, SMJ17, SM19, SD14, SKFP16, SLZ16, SSF+14, SKM15, SKSK13, TSG12, TVZ+15, Tia10, Tia14, TPK12, TMS19, TU14, Trö11, TDL+14, UKKB19, UA17, Urb18, VK14, WRFS15, WDL11, WSTP15, WBS+18, WvSL13, WT12, WWVB11, WLZ17, XGH+19, YWOD19, ZBG+16, ZLM12, ZTG13, ZDD+13, dSF18, dHGCS11]. Carlo-based [EBDM17, MW14]. carlomat [Kol14]. carlomat_3.0 [Kol15].
characteristics-based [TKJ19]. Characterization
[CKLM10, HFSK12, CZN14]. characterize [Mar19]. characterizing
[SPY11]. Charge [Kap16, SCW+11, Buc19, CC14, CC15, CAGL13, MSRL10, MTO15, NFI17, iNSK+15, PFFK19, Qia17, SMG11a, SMG11b, Sok13, VLL+17, XNK+16, YXT+15]. charge-conserving
[CC14, CC15, MTO15, Sok13]. Charge-sign [Kap16]. charge/current
[VLL+17]. charged [BBH+11a, BG13b, BG14a, BLG14, Bon15, Bon16, BAK+17, CLC14, Gwi12, KB15a, KKR16, KFS+13, MF17, NJ18, PCGM14, SBPD19, SKK11, TAFD19, Ume18, Ume19, XQ19]. charges [SGDS16]. Charge-sign [Kap16]. charge-conserving
[CC14, CC15, MTO15, Sok13]. Charge-sign [Kap16]. charge/current
[VLL+17]. charged [BBH+11a, BG13b, BG14a, BLG14, Bon15, Bon16, BAK+17, CLC14, Gwi12, KB15a, KKR16, KFS+13, MF17, NJ18, PCGM14, SBPD19, SKK11, TAFD19, Ume18, Ume19, XQ19]. charges [SGDS16]. Charge-sign [Kap16]. charge-conserving
[CC14, CC15, MTO15, Sok13]. Charge-sign [Kap16]. charge/current
[VLL+17]. charged [BBH+11a, BG13b, BG14a, BLG14, Bon15, Bon16, BAK+17, CLC14, Gwi12, KB15a, KKR16, KFS+13, MF17, NJ18, PCGM14, SBPD19, SKK11, TAFD19, Ume18, Ume19, XQ19]. charges [SGDS16]. Charge-sign [Kap16]. charge-conserving
[CC14, CC15, MTO15, Sok13]. Charge-sign [Kap16]. charge/current
[VLL+17]. charged [BBH+11a, BG13b, BG14a, BLG14, Bon15, Bon16, BAK+17, CLC14, Gwi12, KB15a, KKR16, KFS+13, MF17, NJ18, PCGM14, SBPD19, SKK11, TAFD19, Ume18, Ume19, XQ19]. charges [SGDS16]. Charge-sign [Kap16]. charge-conserving
[CC14, CC15, MTO15, Sok13].

coalescence [GCC+18]. Coarse [GB11, AGVP10, AMJ18, ESM17, FPY+17, HJE+19, MNL19, NLB+19, PA13, SM19]. coarse-grained [AMJ18, ESM17, NLB+19]. Coarse-graining [GB11, MNL19]. coated [CKLM10]. coating [CDSG11]. Code [GHN19, KUV15, ZCC19, Bab14, BSM13, BNV18, Bar11a, Bar12a, BM16, BR12, BG13b, BG14a, BLG14, Bon15, Bon16, BF10, CR13, CFT17, CJ12, CCM12, CPR12, CL14, CB16a, CB16b, DCM+12, DET12, DGH19, DLGP10, DBJ11, DDP+18, DT11b, DT18, DA16, DGS+19, DFM+15, Du16, EZBA16, Ein16a, ELL+17a, FVH18, FLZ+18, Faw10, Gag12b, Gag12a, GH18, GLPQ11, GSMK17, Gio18, GC10, GC13, GC16, GC18, GCK19, GHBL18, GAB+16, GBJ+13, HdM16, HBE10, HV15, Hak16, Hak19, HCRD14, HT13, HTT14, Hol19, HF16, HMM+15, IBP+15, JuAM16, JCW+13, JFC12, JGAL+13, JHL+15, KHB14, KSS18, KPA+19, KTE+12, KBSP12, KCS+15, LAA+10, LLE+18, LHH+12b, LJZ+18, Lit13, LO14, LL15, LDF+16, LMB16, LRSS19, LR13, LR16, MDW16. code [MT13, MD19, MGRB11, MRSU14, MTM14, ML17, MW19, MTM13, MAM14, MSHS15, MSHL17, MK18, MO14, Nik12b, NMS14, OBPL19, dIR11, dRAPL11, Oti13, PPV+11, PBMAD12, PGD17, PG10, PVE+14a, PVK+14b, PBL+18, PGMU19, RF16, RetVH12, RtV16, Rei10, RB18, RWKS15, RHBH15a, RHBH15b, SSS+11, SCB+17a, SKB10, SGNL17, SL16, SHW18, SEW12, SEW14, SRS+18, SM14, SHZ13, SQS+16, SD10a, SS1a, SC16a, SC15, SC16b, SHL+11, SCB17b, SF10, SGS19, SMGK14, TAFD19, Tau10, TVGB15, TRN16, TKL+12, VPK14, VSG17, VPM12, VMPG+19, WLO+17, WN10, WR16, WEH+19, WSH+12, XAPK14, YLKN17, Zag14, ZD15, ZX16, ZZD+16, ZZSW19, ZMPT13, vWB10, MEZ13, GBJ+10, GBJ+12, OKP10, SKK+19]. Code_Saturne [Sha13a].

colliders [AHH+19, BDC+14, BHZ13, CM14b, DDKM15, Gao13a, GLS+13].
colliding [Lit13]. Collier [DDH17]. collision [ART17, BTM+17, BO12, 
CYD11, HPN18, HDZ14, MWI+19, NNWS15, RF16, SD10a, WSH+14].
collisonal [CXL19, DGS+19, HJ14]. Collisions
[BH14a, BH14b, CUL+17, CKB10, DGC+14, Gin10, GBJ+15, 
HL19c, JH11, KKK+15, KHB14, KHK+11, KNS+17, MEM+11, Nis11, OK12, 
OK18, SYZ+12, SHT18, SQS+16, SKK17, Tom16, VC10, VS19b].
Collocation [LD10a, LX12, LCCC11, MM10, PDRG10, ZWLZ17, ZST11].
Colloidal
[TCVC18, BHND16, DGPOR18, HAN+16, HCSWT0, MDPTK15, Van15],
colloids [OOGP19]. COLONEMA [Car16]. colony [vRWS14]. color
[HKK11]. Columbus [Pit12]. combination [LAG+17]. combinations
[BH14a, BH14b, CUL+17, CKS10, Col14, DCC+10, Gin10, GBJ+15, 
HL19c, JH11, KKK+15, KHB14, KHK+11, KNS+17, MEM+11, Nis11, OK12, 
OK18, SYZ+12, SHT18, SQS+16, SKK17, Tom16, VC10, VS19b].
Colloidal
[TCVC18, BHND16, DGPOR18, HAN+16, HCSWT0, MDPTK15, Van15],
colloids [OOGP19]. COLONEMA [Car16]. colony [vRWS14]. color
[HKK11]. Columbus [Pit12]. combination [LAG+17]. combinations
[BH14a, BH14b, CUL+17, CKS10, Col14, DCC+10, Gin10, GBJ+15, 
HL19c, JH11, KKK+15, KHB14, KHK+11, KNS+17, MEM+11, Nis11, OK12, 
OK18, SYZ+12, SHT18, SQS+16, SKK17, Tom16, VC10, VS19b].
complicated [AKR15]. component [Eba13, Erm18, HLS+17, TZM17, LWM14]. components [KCA+15].


components [KCA+15]. components [Eba13, Erm18, HLS+17, TZM17, WLM14]. comprehensive [CEZ16, SAHP15, VBG+10, WJCZ18]. compressed [JL19].


Computational [ABB13, AL17, BBB+17a, BBC+13b, JAS17, MCGR11, NMS14, NMS14, NF15, RH11, SWS+12, WWR+16, YFAT17, ÅSS18, BHNS17, BCP+16, CL+15a, Che11, CRC+13, Fri19, GB13+18, GBSY18, GBS+16a, HWCDM19, JOR+12, LFK18, LH+15, LLL14a, MWI+19, MM10, MCF10, Mi+14c, NMC15, NVAFO18, PMS14, PMS15, RK11, RBB15, RCD+10, Ros15, Sou14, WC15, ZTG13, ZTG14, dSVLP13, dSF18]. Computationally [WRBL19, DMC10].

Computational [ABB13, AL17, BBB+17a, BBC+13b, JAS17, MCGR11, NMS14, NF15, RH11, SWS+12, WWR+16, YFAT17, ÅSS18, BHNS17, BCP+16, CL+15a, Che11, CRC+13, Fri19, GB13+18, GBSY18, GBS+16a, HWCDM19, JOR+12, LFK18, LH+15, LLL14a, MWI+19, MM10, MCF10, Mi+14c, NMC15, NVAFO18, PMS14, PMS15, RK11, RBB15, RCD+10, Ros15, Sou14, WC15, ZTG13, ZTG14, dSVLP13, dSF18]. Computationally [WRBL19, DMC10].

Computations [Dan10a, Dan10b, BKS15, Bog16, Bre10, DS13c, GJ18a, GLW14, HKSW10, MKR+12, Naz12, NOR15, Wei15, YRR13, ZFZ19, dALM+12]. compute [BH11, Boy15, HHP+14, PB16, RLS16, RW11, SSG+10, SSG+18, TZM17, VB19, Wei11a, ZZW19]. computed [FWS+17, MH18, SBvD13].


computer-generated-hologram [WSO+12]. computers [BWPT11, BKPT12, By13, ILZ+19, IW15, LS12b, MNW+17, SOM+13].

Computing [ASTT16, ADF+15, BBC+11, Gio14a, LSG+12, RE19, TCP13, Vit19, Wai12, YE14a, ARAB+17, ARYT17, ABD17, Ara14a, Ara14b,
BHW+12, CR13, CLC14, CKhN11, CSRV13, CL15b, ÇÖSÜ11, CRB+17, CNS+14, Dan10a, Dan10b, Dan11, DMC+15, DGST17, Ein16a, FBN+13, GXF+15, GLHR19, GST12, GHdF10, GCVA14a, GCVA14b, HCH16, JTP15, JVR12, KDP+14, KO14b, KO16, KK17, LR18a, LR18b, Lee18, LS17b, NFS15, PNL13, PG10, Qia10, SDS15, Sha13a, TKP15, TACA15, TGH+16, VPMVH+17, WX14, WGVPL17, YK18]. CONAN [LKT+16].

concentrated [BE14]. concentrations [Buc19, DMC+15]. concept [Vuk12].

concise [KKG+15]. concurrency [Dan11].

condensate [VBMS17]. condensates [CCW10, GM14, Hoh14a, JWC13, JLW13, KLM+19, MT13, TZM17, WX11, WX14]. condensation [Ker17, LCCC11]. condensed [Jab17, MKB+11, ONS+15, SBH+14].

condition [PN15, STA18, SCNJ18, WLU11]. Conditions [KFF+16, KPPC13, BMHP17, CCHL11, DGG13, EY11, FJK+17, HSD17, JYPA18, Jiw15b, LWZ14, LLI+12, LWHL16, LS13, MD11a, MRL18, MRVF13, MII+16, NPM16, PLCC12, Qia17, QHC+10, RC13, RC16, RHH12, RTA10, SP15a, SN16, Uty14, Wan+16, Wil19, vS13]. conductance [SPMM11]. conductances [TXZL15]. conducting [JPK+12, Qia16, RBG+19, SKML11].


conjugate [ASTT16, AG12a, EFK+19, HbotRC15, RE19]. conjugated [KS12, SS10a].

Connecting [Sht17]. conquer [PA13]. conservation [AAD14, Cha19, DJ11, HKJ+12, HHC+10, MMT+11, MWCY14, ZY19b]. conservative [BMB+17, EW14a, KL17, LMR15, LL19, UNK12].

conserved [Mar15, Nog17a, Nog17b]. Conserving [GHBL18, GHMB+19, AK15, CC14, CC15, DCC+10, GVPJ18, MTO15, Sok13, YXT+15, vSGB+18].

Consideration [WTH15]. considerations [WLU11, dSFdFF13].

considering [GLAC13]. consist [Faw10]. consistency [Sit18, SHNM11, SIMGCP13, SIMGCP14]. Consistent [MNC15, Buc19, CDTV10, CCGC13, DR12, Erm18, KOK17, NPVR14, Pit12, SEW12, SEW14, XNK+16]. constant [CLHL19, DT10, KA17, Moh14, SH12a]. constants [GPS+13, LSCZ11, Mazz19, MLK+17, MLK+19, TW15, Voy13, WBY11, ZY10, ZC12].

constrained [BS15a, Mar15, NSXZ14]. constraint [WX14, YLK10].
constraints [AKK+18, NPAG11]. construct [Ray10]. Constructing
[CSP+19, RU13, SOJ14, VSG18]. Construction
[DIP11, ACM19, ART17, FG13, GAGW16, OWS+14, RC11].
Constructive [HH11b]. contact

crystallization [AYDY11].

crystals [BBH11b, CLC14, Gen10, HXW13, HLW16, KMJS16, LOK16, NJS17, PYW14, RDP14, Sin12b].

cSD [CW13].

cTD [LP15, YWOD19].

cTF [YWOD19].

cub [SKFP16].

cuPentBatch [GNP19].
curation [GVPJ18].
current [Fuk17, GBSY18, LYX17, MTM14, VLL17, YXT15, ZDWM17].
currents [BL19, CPW18, HLS17].
curvature [KCN18].
curves [Bog16].
curvature [ERPFLS15].
curvilinear [GSKM14, MGA13, OCM19].
customisable [BGL14].
customised [KSTR15].
customizable [Giu19].
cut [JvOK17, LCR10].
cutoff [BL18a, SH12a, dB1716].
cutting [KMJS16].
cycles [GTS13].
cyclot [ZW15].
cyclokinetics [ZW15].
cylotrons [BB13b, JGC11, KMD12, PBL18, SS11a].
cylinders [MCM12].
cylindrical [BLAS19, GHMB19, LKA16, LJZ18, XHD15].
cylindrically [RS12].

cD [BL18a, JCL18, LBP15, RPB15, RHBH15a, TGH16, WNYP17, WRBL19, AV13, AM19, AGMS15, APC14, BBC11, BBB17b, BARI12b, BVP10, CP15a, CPCdM18, CC14, CdLOL19, DGG13, EW14a, FLZ18, Fan19, FJK17, FK12, FRFH10, GS15, Gai17, Gio14a, Giu19, GG16, GAB16, GGF13, GX15, GCVA14b, Gvi12, HKJ12, HTT13, HTT14, HDM12, Ixa10, JEC12, JCL18, JKIS16, KAK12, KL11, KO14b, KO16, KMJS16, LHJZ10, LHC13, LX14, LKW11, MGL13, MGO13, MCP11, NHD16, NCB18, PR10, ...
PCGM14, Qia17, RKVL14, RF15, RS12, RAV11, RJLL16, RHBH15b, SBH+14, SW14b, SP18a, SA15b, SKK11, SW11, TMA+15, TY10, TKL+12, TIM+16, TPC16, VMGP+19, VLM11, WNYP17, WMRR17, WMRR19, YKK+19, YLKN17, ZTYA17, ZXL16, ZDD+16, ZSW+17a, ZFR18, SW14a].


Darboux [Add14, Add15a, Add15b, Add15c]. Dark [GT19, AMR19, BBP14, BBP15, BHN+16, CCM12, HTY17, HCM19]. DarkCapPy [GT19]. Darwin [CC14, CC15]. dash [SCG11]. Data [BCJ+11, Car10a, DPK+15, KST+14b, XLCW14, AAA+16, Ano10n, Ano11a, Ano11b, Ano19a, BDKS10, BALV16, BG13a, BBV10, BMF+19, CL15a, Car10b, CZ18b, CMSV14, CSP+19, CZ19, CO11, DAW+19, DRUE12, DDK+15, DADS11, ECD+10, End11, Fer15, FCC15, FTS+17, GMRHRCME13, GTL+17, GVPJ18, GR19, GdGB+18, Gor19, HBP14, Hir15, JTH14, KFF+16, Kom15b, LLQX19, MW12, MGO13, MD10b, MM11, MGFRG12, MGR16, dRL11, PCVZ11, PGO17, Ram19, RJW+19, RMW13, RSSH+10, SPTPR19, SEW12, SEW14, Shi16, Sin11, Sin12a, SAS11, SOJ14, SM+17, TRM+12, TGUV19, Var16, WKM11, YG12, ZSW+17a, Zlo14, dBCH14]. data-assisted [GTL+17]. data-driven [CZ18b]. data-sharing [TRM+12]. Database [RPB+15, BDT15, BBH+18, CYOS19, LL15].


deterministic/stochastic [GJL12]. detonations [MTE17]. detuning [CdF16]. Development [Dan10a, Dan10b, GdGB18, HF16, HCHW11, KYKN15a, KYKN15b, KKO19, LHH12b, OILK17, QLN14, SCLW16, SYD17, Sit14a, Sit14b, SLH11, YLKN17, YS17, ZKG18, BBB19, DBMR18, Gio14b, HvAS13, HVMR10, HKVR10, RK11, Sch18, Uty14].
developments [GJA16, LOSZ13, SAW18, SMO16a]. deviates [AM14a].
device [CDSG11]. devices [ASGLK10, AK15, AGB15, BKA14, HEF11, KPK17, LLQX19, NAQ16, SO19, WWC16].
devoted [Org15].
DeWitt [SMdONF14]. DF [LAA10]. DFMDEF18 [GC18]. DFMSPH14 [GC16].

DFT-BF11, DSW15a, DO14b, HM17, KST14a, LM19, SW13a, VCMS13. DFT-calculations [VCMS13]. DFT/LDA [SW13a]. dftatom [CPV13].

diagram [BDGG19, GPB13, Liu15b, MS11, XWhZ13, XW15, dALM12]. diagrams [ADT19, BLS17, Ell17b, YdDH12].

DIAPHANE [RDC18]. diatomic [Faw10, Kob13, PY16, TC11b, YLTS16, ZY15].
dichroic [PBMA12].
dichroism [DA16]. Dielectric [MCP10, CHC11, KSH11, MSR17, Ser10, TMD11].
diesel [ZLFM11]. diff [TACA15]. Difference [Wit19, AAD13, ACTP15, BMNS14, CW16, DT10, DM17, DJ12, DSP10, FNPMB10, GS17b, GS17a, GA10, GB14, GMHZ19, HE13, Hsu11b, HZ11, JK19, JLM18, Kob13, LD10a, LV15, LLX16, LYX17, M12, MBFD12, IC13, ON14, OWS14, Ram14, RC13, RC16, SP16, TT14, Ter17, TMA15, TYH15, TCP13, VPM14, VDB14, VV16, WZ13, Wit14, XYK12, YXT15, YTYA17, YQM12, YQM14, MCM12].
difference-collocation [LD10a]. difference-FourierTransform [YXT15].
derivation [BH19, CDS13a, DN13, EMW19, GVR19, MJ11, TRM12, XLX15].

Differencing [BD16, BKM14, BK15, BK16b, DSW15b, PTV12, APV10, ADmD2a, ADmD14, ACmD15, ADmD15, ACmD19, CJJ17, DJ13, DmD16, DGST17, DSP15, FSJ16, FBHB17, FF11, GJ14, GM17, GCVA14b, HJ14, IH11, Jan10, JK10, JC13, JC14, JPM12, Jiw15b, KD17, KBS12, Kra10, Lev19, LLL12, LLL13, sL10, MJ10, MZE13, NO12, Ras09, Ras17, RBB15, VBC12, VJC12, WYS10, WT15]. Differntiation [Gio18]. differentiation [CL15a, CD15, Cha16, Gio18, GHR16, HAV14, Ram19, SF10, VKS16, YB13, vH10]. Differntiator [LZZL10].
difficult [ACmD19].
diffraction [FNMB10, GST17, MSPD12, SLW19a, SLW19b, WG16a, WS11a].
Disconnected [BWWM19, ACD+14a, BCS10]. discontinuities [DR12]. Discontinuous [SVS19, EW14a, Ein16a, HLLH16, HWS16, LLP15, LLMW17, Maz13, QWZW18, WP10b, YWX11]. discovery [LCRL10].

discrepancy [VLD+12]. Discrete

[CR12, EW16, ZXX+19, AGMS15, ELDS14, GMRHRCME13, GMPFC+14, GJHF14, KV10b, Law19, LCH11, LYL+17, MD10a, NMS14, RTÅ15, SL17, SWL+15, Sza13b, Sza13a, Sza16, ZAHA10, EW14b, EEGW12].


discrete-dopant [LCH11].

discrete-element [RTÅ15].

discrete-time [GJHF14].

discretization [CDBM16, DM17, DJ12, MLS10]. discretized [HLLH16, JYPA18, LHC+13]. discrimination [sL10]. discussion [Nem16].

disks [TACA15]. dislocation-simulation [Pei18]. dislocations [PE17]. Disorder [CZGC19, ABCM14, TKP12]. Disorder-based [CZGC19]. disordered [CLJ12, CRNK12, CZN14, Dan10a, Dan10b, JA17, LZL17].

displacement [EDPZ19, UW12]. displacements [LS15b].

disperse [Sie16].

dispensive [CW16, GA013b, HLW16, Ram10, Ram12, Ram14, WWHW14]. displaced [BGHN19]. displacement [EDPZ19, UW12]. displacements [LS15b].

dissemination [LHC+12]. dissipation [Fu19a, PDJ10]. Dissipative [JBKM15, ASPW13, BTL+17, CCWL11, FDZ17, GAHP15, GTS14, MDPTTC17, MNC15, TK14a, TKJ19, TD17, WXW13, WXW14, YLQ+17, BJJ15, LB+14, MDPTK15]. dissolution [XHLM12]. DIST [Pei18].

distance [PDC14, RK19]. distances [Raw15]. distant [Ste17].

distant-dependent [Ste17]. Distinct [Cro16]. distorted [Bad11, GRLS18, HK15]. Distributed [GHDF10, AM14a, BKS15, CL15b, GB11, GBS+16a, IW15, MV11, OLG+16, SOJ14, WKK11, WC13, WAW14, YG12, RP+15]. distributing [HWT10].

Distribution [CGO17, AMR15, Ber14, BDBV12, CMR17, DCC+10, DSM+11, DRR15, FFS11, FP14, FCC15, Fuk17, GST15, HSF+11, wHwH11, LSF14, LSDD14, LN16, MST+18, PN15, PM13, Ram10, SLW19b, SS11a, SSP16, VML11, Yan09]. distributions [BT17b, BMF+19, ECSH16, PDC14, Pos18, VSG18, WCT11]. districting [Cho11]. Disturbance [HJL18, HJL19]. divergent [Fen12b, dDYK+18].


DNAD [BY13]. DnaFabric [MVI+16]. DNS [APC+14]. DNSLab [VK16].

docking [BGHN19]. documentation [DNP+12, DPW16, KLV15]. doing [GLMG12]. Domain [BS15a, IBP+15, ASPW13, APC+14, BS15b, BNO17, CKSM+19, CW16, DO14b, EDPZ19, FRG12, FNPM10, HBH17, HE13, HC16, HC17, HKH16, Hsu11b, JLM18, JU17, Kap12b, LLQX19, MRL18, MBFD12, ICD13,
MCL$^{+17}$, Oti$^{13}$, QL$^{10}$, Ram$^{14}$, SGM$^{18}$, SVV$^{19}$, SO$^{19}$, SW$^{12b}$, TD$^{14}$, TT$^{14}$, VDB$^{14}$, WYH$^{19}$, ZLL$^{13}$, ZHC$^{16}$, HKF$^{+12}$, MCM$^{+12}$, Wil$^{19}$.

**domain-decomposition** [MRL$^{18}$]. **domains** [Bot$^{13}$, DS$^{13a}$, GMHZ$^{19}$, JYP$^{18}$, KSW$^{12}$, OOK$^{+12}$, SNB$^{11}$, SK$^{15}$]. **dominated** [Kau$^{13}$]. **dopant** [LCH$^{11}$, SD$^{14}$]. **doped** [KAR$^{+15}$, NS$^{11b}$, SQL$^{+10}$]. **Doppler** [MGA$^{+13}$]. **Dose** [RMS$^{+12}$]. **dosimetry** [ACdS$^{13}$]. **dot** [BMNS$^{14}$, CL$^{10}$, KPK$^{+17}$, YÇÔ$^{15}$, ZHC$^{16}$]. **dots** [Den$^{10}$, GWL$^{+17}$]. **double** [CWW$^{10}$, GC$^{13}$, GC$^{16}$, GC$^{18}$, GCK$^{19}$, MD$^{10a}$, Ram$^{14}$, TTG$^{11}$]. **double-dispersive** [Ram$^{14}$]. **Doublet** [Ore$^{19}$, ERS$^{10c}$, ERS$^{10a}$, ERS$^{10b}$]. **doubling** [CL$^{15b}$, FGLB$^{12}$]. **Doubly** [GH$^{11}$, SEW$^{12}$, SEW$^{14}$, WW$^{13}$]. **DPD** [MDPTK$^{15}$, PTMDPK$^{14}$, SH$^{12a}$]. **DPM** [RB$^{18}$]. **Dr** [OTC$^{14}$]. **DRA** [LM$^{16}$]. **drag** [RC$^{15}$]. **drainage** [GTSL$^{+13}$]. **DRED** [SV$^{12}$]. **DREG** [SV$^{12}$]. **Drift** [DOP$^{17}$, CEP$^{18}$, DJ$^{12}$, Eev$^{14}$, SISW$^{10}$, SO$^{19}$, XYM$^{+13}$]. **Drift-Asymptotic** [DOP$^{17}$]. **drift-diffusion** [DJ$^{12}$]. **drift-kinetic** [CEP$^{18}$, Evs$^{14}$, SISW$^{10}$]. **drive** [MTM$^{14}$, SKK$^{+19}$]. **Driven** [Dan$^{10a}$, Dan$^{10b}$, BJBC$^{+14}$, CZ$^{18b}$, CHC$^{11}$, De$^{11}$, GTL$^{11}$, GAB$^{+16}$, Hin$^{11}$, HJL$^{+14}$, IBKK$^{11}$, LDW$^{13}$, LHJ$^{+15}$, MiH$^{12}$, MS$^{11}$, RHHF$^{12}$, RTT$^{+18}$, VPM$^{12}$]. **driving** [BNAB$^{11}$, THDH$^{14}$]. **droplet** [MLEM$^{19}$, Tom$^{16}$]. **droplets** [APC$^{+14}$]. **drosophila** [SLC$^{11}$]. **Drude** [HLW$^{16}$]. **DSAM** [SLLP$^{17}$]. **dsDNA** [AGVP$^{10}$]. **DSMC** [JvOK$^{17}$, OCF$^{10}$, TLK$^{+12}$]. **dsmcFoam** [WBS$^{+18}$]. **Dual** [Gaz$^{19}$, CBGY$^{17}$, DG$^{10a}$, LCQF$^{18}$, VvAV$^{+11b}$, YB$^{13}$]. **dual-level** [LCQF$^{18}$]. **DualSPHysics** [CDR$^{+15}$]. **duct** [ZNT$^{15}$]. **due** [Cip$^{13}$, Eme$^{11}$, TW$^{11}$, XYM$^{+13}$]. **dugksFoam** [ZCG$^{17}$]. **Duguet** [CCK$^{23}$]. **Duo** [YLTS$^{16}$]. **duplicate** [LZ$^{12}$]. **during** [Gai$^{17}$, GTSL$^{+13}$, XLX$^{+15}$, YK$^{18}$, ZBMM$^{11}$]. **dust** [HCRD$^{14}$]. **DVCI** [Gar$^{19}$]. **Dyck** [Brá$^{15}$]. **dye** [HG$^{13}$]. **Dynamic** [ALS$^{16}$, Bar$^{12a}$, DSHS$^{17}$, FRG$^{12}$, SJ$^{17}$, SUS$^{+17a}$, SKSK$^{13}$, AGMS$^{15}$, Bar$^{11a}$, BS$^{15b}$, CD$^{12}$, DF$^{11a}$, DGMZ$^{15}$, EDPZ$^{19}$, HST$^{+11}$, JFHA$^{19}$, JOR$^{+12}$, Krö$^{19}$, KHN$^{19}$, PE$^{15}$, Sus$^{17b}$, Sva$^{12}$]. **Dynamical** [KLKR$^{11}$, LLHC$^{11}$, AG$^{14}$, ADdM$^{+12b}$, ACddM$^{14}$, BVC$^{13}$, BG$^{11}$, CZ$^{18b}$, CZ$^{19}$, Dan$^{11}$, DT$^{11b}$, Er$^{14}$, GTK$^{+19a}$, KP$^{12a}$, KS$^{19}$, KI$^{11}$, LS$^{16}$, LMAB$^{16}$, MW$^{19}$, TTS$^{11}$, WHG$^{+19}$, Wie$^{18}$]. **dynamically** [CFCB$^{12}$]. **Dynamics** [AS$^{16}$, AD$^{15}$, DRR$^{15}$, wHwH$^{11}$, JBK$^{15}$, MDPTK$^{15}$, Ngu$^{17}$, NLB$^{+19}$, SBP$^{15}$, TD$^{17}$, WWR$^{+16}$, ADD$^{+11}$, ASPW$^{13}$, ABB$^{13}$, BS$^{14b}$, Bar$^{11a}$, Bar$^{12a}$, BHS$^{18}$, BBB$^{+19}$, BPM$^{12}$, Bin$^{13}$, BTL$^{+17}$, BG$^{14a}$, BVSG$^{19}$, BWPT$^{11}$, BKPT$^{12}$, BY$^{13}$, BCG$^{+15}$, BBV$^{+16}$, BMDP$^{19}$, BENK$^{+17}$, CTT$^{17}$, CMM$^{14}$, CLLK$^{11}$, CXX$^{+15}$, CK$^{10}$, CH$^{11b}$, DCM$^{+12}$, Dat$^{13}$, DLGP$^{10}$, DEW$^{16}$, DT$^{11b}$, DH$^{14}$, DS$^{13b}$, ENEO$^{15}$, ER$^{19}$, ESM$^{17}$, FSH$^{13}$, FCVH$^{17}$, FRG$^{12}$, Fil$^{14}$, FJ$^{19}$, Fu$^{19b}$, FFIH$^{11}$, GK$^{11}$, GM$^{11}$, Gio$^{14b}$, GLR$^{17}$, GNA$^{+15}$, GAHP$^{15}$, GT$^{14}$, HWCD$^{19}$, Has$^{11}$, HST$^{+11}$, HL$^{19a}$, HRC$^{11}$, HG$^{13}$, HYM$^{11}$, HW$^{+13}$, HLZ$^{+13}$, HP$^{18}$, HHH$^{+17}$, HWL$^{+17}$, HM$^{10}$, HM$^{17}$, HDM$^{+12}$, JW$^{13}$, JPH$^{+14}$, JNN$^{12}$, JNN$^{13}$, JSL$^{16}$, JKI$^{16}$,
KST14a, KKCC19, KPA+19, KDM11, Kon11, KK17, KKO19, KS15, KCS+15, KR14, KHN19, KSY17, LGW13, Leò12, LS12b, LHZ11. *dynamics* [LK15, LLZ+17, LBR+18, LSK+14, LDF+16, LS17a, MDW16, MIW+13, MDPTTC17, MM17, MTS11, Miu11, MNC15, MKB+11, MSH11, NBM+15, NBW16, NPAG11, NP19, INSK+15, ÖKC11, OKM12, OYK+14, PR14, PLCC12, QL10, QLE16, RC15, Rap11, RFSF18, RBB15, SV14, SGM18, SBH+14, SL17, SH18, Sco13, SCR17, SOM+13, SMO16b, SKM15, SYE+18, SAG13, SJY18, SJY20, TM19, TK14a, TZM17, Tan19, TST13, TL19, TS11, WJCZ18, WC10, WX11, WXW13, WXY14, WZHE18, WSI13, WSH+14, XQ19, YY17, YHCS11, YLQ+17, YK12, Zag14, ZHZG18, ZS13, Zhe15, ZPrR16, BJM15, BHND16, DLGP10, LBM+14]. *dynamics-based* [ZS13, Zhe15]. *DynaPhoPy* [CTT17]. *Dyson* [HB12, HM12b, SAW18].

e-infrastructures [GBS+16a]. *e-Science* [LSJ13, CKhN11]. *E6Tensors* [Dep17]. *early* [SCW+11]. *Earth* [MPS13]. *Easy* [DEW16, Sou14]. *EasyFeynDiag* [WX15]. *EBT2* [ACdS13]. *EC* [MTM14]. *ECE* [MTM14]. *ECOM* [LC15]. *ECPSRR* [BPC12, Cip11]. *ECR* [MTM14]. *ecs* [BH16]. *ECsim* [GHBL18, GHMB+19]. *ECSim-CYL* [GHMB+19]. *eddy* [MRL19, TIMM13]. *Editorial* [Ano11b, Ano11c, Ano11d, Ano11e, Ano11f, Ano11g, Ano11h, Ano11i, Ano11j, Ano11k, Ano11l, Ano11m, Ano11n, Ano11o, Ano11p, Ano11q, Ano11r, Ano11s, Ano11t, Ano11u, Ano11v, Ano11w, Ano11x, Ano11y, Ano11z, Ano12a, Ano12b, Ano12c, Ano12d, Ano12e, Ano12f, Ano12g, Ano12h, Ano12i, Ano12j, Ano12k, Ano12l, Ano12m, Ano12n, Ano12o, Ano12p, Ano12q, Ano12r, Ano12s, Ano12t, Ano12u, Ano12v, Ano12w, Ano12x, Ano12y, Ano12z, Ano13a, Ano13b, Ano13c, Ano13d, Ano13e, Ano13f, Ano13g, Ano13h, Ano13i, Ano13j, Ano13k, Ano13l, Ano13m, Ano13n, Ano13o, Ano13p, Ano13q, Ano13r, Ano13s, Ano13t, Ano13u, Ano13v, Ano13w, Ano13x, Ano13y, Ano13z, Ano14a, Ano14b, Ano14c, Ano14d, Ano14e, Ano14f, Ano14g, Ano14h, Ano14i, Ano14j, Ano14k, Ano14l, Ano14m, Ano14n, Ano14o, Ano14p, Ano14q, Ano14r, Ano14s, Ano14t, Ano14u, Ano14v, Ano14w, Ano14x, Ano14y, Ano14z, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano15m, Ano15n, Ano15o, Ano15p, Ano15q, Ano15r, Ano15s, Ano15t, Ano15u, Ano15v, Ano15w, Ano15x, Ano15y, Ano15z, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano16k, Ano16l, Ano16m, Ano16n, Ano16o, Ano16p, Ano16q, Ano16r, Ano16s, Ano16t, Ano16u, Ano16v, Ano16w, Ano16x, Ano16y, Ano16z, Ano16], *Editors* [Ano10a, Ano11b, Ano12a, Ano13a, Ano15a, Ano15a]. *EDRIXS* [WFDK19]. *education* [LPBH11, Müll14c, TN11]. *Edwards* [FFT+14, SJ17]. *EERAD3* [GGGH14]. *ef* [DIP11]. *ef-based* [DIP11]. *Effect* [CHH+11, KSH11, SBL16, AG14, CFS14, Kr12, OCL+13, QHZ+14, SWL11, SDJ+12, WB11, XGH+19]. *Effective* [BCS10, VLD+12, CLC14, CM15, CGG+14, Cri18, Ern18, GR19, HHC16, IKS19, Jab12, LSG+12, Nem16, NRSVW12, ZTG13, ZTG14]. *effective-mass* [HHC16]. *effectiveness* [SS18]. *Effect* [iT11, BDK11, DGM15, GTSL+13, GB14, KZ11, KS16b, KKS18, LHSL14, Liu15a, MDPTK15, NLB+19, OOGP19, PBE14, VV16, WT12, dSVLP13].
Efficacy [DML+16]. Efficiencies [AMJ18]. Efficiency
[LV15, WG11, ZPvR16, AKK+18, FZ16, GLAC13, GSKM15, JAS17, KK17, LCR1L0, VKS16, WW12].
Efficient
[AS11b, AAT17, BCJW13, CMN12, CZ18b, CSRV13, FUSH14, FCVH17, GBP13, GST17, GGG16, GVS+15, GA13, HWG13, HXW+13, HAN+16, HPN18, HCH16, JU17, JMG+17, KA17, Krö19, LDD+19, LHJ11, LAG+17, sLqS13, MA11, MSRL10, NVAFO18, Qia16, QZ19, RA13, RF15, RZ19, SZ15, SHNM11, SOYHDD19, SCM14, SA14, THDS16, USA013, VBS+17, VdLF14, WBS10, Wan10a, WX11, WZ13, WLGY18, WDR16, YWOD19, Zou18, dBCH14].
Efficiently [MHWH19, RTT+18, SZC13].
EFT [GBD10]. eHDECAY [CGG+14]. eigen [CHDCJA17]. eigen-stress [CHDCJA17]. eigenfunctions [BAF18, GCVA14b, MGL13]. eigenmodes [HSK+12, TJIH17], eigenproblems [DBB12, RLM13]. eigensolution [FZ16].
eight [PAS11, PS14]. eight-step [PAS11, PS14]. eigSUMR [CL16].
Einstein [ARYT17, CCW10, GM14, Hoh14a, JWC13, JWL13, KLM+19, LCC11, MT13, TZM17, VBMS17, WX11, WX14]. Einstein- [ARYT17].
EIRENE [SK12]. Eisenbud [RA13]. EKHarA [CI11, CK19]. ELAm [MLW+10].
elastic
[ASEA14, AFIS12, CKSM+19, CHDCJA17, CGJ14, DMC10, GPS+13, Gri10, Jab17, Kas14, KGFS18, LSCZ11, MLW+10, Maž19, MLK+17, MLK+19, QDZ+13, TH17, TW15, Voi13, WBY11, ZYZ10, ZC12, ZZ17a, GPS+13].
elasticity [MBF+10]. Elastodynamic [MAIHA14]. ElectrSus
[KAH18, ZKW+15]. Electric [OCL+13, RE12, CFSDK14, GBSY18, JTN+11, JPK+12, LXR+18, MRL18, SCN18, ZKW+15, ZDMW17].
electrical [CKT17]. electrically [HC16, Ram12]. electro [PGO17, Wie18].
etromagnetic [AHK+12, CC14, CC15, CSJ+17, CZF18, FUK7, GLAC13, GMC18, GH15, GCHL15, JLM18, KOT12, KC14, KTE+12, LPYR17, LHJZ10, LHC+13, LL19, LF12, MIW+13, MKU+12, MCM+12, ORI+10].

[DSM⁺11, FP14, PB13, PMVG16, YSN⁺14, AKZ⁺13, ART17, ACTP15, AG12b, BH16, BH17, BMW14, BSGG10, CYD11, CL11, CSK⁺19, CRB⁺14, CRB⁺17, DCC⁺10, Du12, FKY18, FUSH14, Gai17, GGGH14, GH11, Hol14b, Ihn12, IUM13, ID18, JA17, JGAL⁺13, JH15, KEH12, KK14a, KCA⁺15, Kol15, KA17, LSF14, LRW⁺15, LZZ11, Lit13, LB10a, LRR⁺15, LRR⁺17, MHV17, MSPD12, MJKB18, NBM⁺15, NPM16, NQM⁺10, ONS⁺15, PM16, PBE14, PR10, PR12, PBL⁺18, Pos18, RF16, RCGT16, RFSF18, STT11, SMOB19, SW14b, SNG⁺11, SD14, SLW19a, SLW19b, SS11a, SAHP15, TVGB15, TO10b, WS11a, YÇÖ15, YW17, VFV19].
electron-atom [BH17, CYD11]. electron-cyclotron [PBL⁺18].
electron-electron [DCC⁺10]. electron-loss [Lit13].
electron-electron [DCC⁺10]. electron-molecule [ART17].
Electron-phonon [PMVG16, CRB⁺14, KA17, NGM⁺10].
electron-phonon [PMVG16, CRB⁺14, KA17, NGM⁺10].
electron-positron [GGGH14, Kol15].
evaporate [YLYL17, KPA⁺19].
evaporating [HHT14].
Evaporation [MBFB13, YXD⁺15].
electronic-structure [LS19, MED11].
electrons [Aza13, BH14a, BH14b, Jap17, KTB17, KQHY17, MDF11, NNWS15, OOK⁺12, RS12, Sth18, SLEF17].
electroosmotic [SS11c].
electrophoretic [MF15].
electrospinning [LPC⁺15].
Electrostatic [VP16, BBL⁺13, CH19, CCHL11, CB16b, FK12, GB11, HZW⁺16, KC18, KK14b, LRR⁺17, MCWJ15, MRL18, SGSDS16, YLQ⁺17].
electrostatics [CB14, LCHM10, LCHM13, YBK⁺11].
electron/at [LZP12, LSK⁺17, MCW17, KKS18, LCY⁺11, LS19, LZP12, LSK⁺14, MED11, MNPY14, MC17, PVK⁺14a, PVK⁺14b, PSP16, Rut18, RJKC16, SS10a, TMA⁺15, TC12, TG11, YFAT17, zYCG⁺18, YG12, ZZD15, XNK⁺16].
electronic-structure [LS19, MED11].
elements [ABB⁺16, AC13, Arb12, CPWZ18, CCHL11, CK12, CBB14, FNPMB10, HS14b, LA13, MSRL10, PO14, Sar17a, Sar17b, SD10a, UFKGB19, USOA13].
eleven [DJW⁺19]. eliminate [HHT14]. eliminating [SCM13]. Elimination [MBFB13, YXD⁺15].
electrons [ABB⁺16, AC13, Arb12, CPWZ18, CCHL11, CK12, CBB14, FNPMB10, HS14b, LA13, MSRL10, PO14, Sar17a, Sar17b, SD10a, UFKGB19, USOA13].
Equation [LB10b, AL17, As10, BB15, BALV16, BK16a, BAR12b, Bot12, BMBC17, BB13b, CWS14, Cap13, CVK+17, CYN19, CZS10, CC10b, CC12, CHZ18, DG10a, DS11b, DZ13, DGST17, DSP15, DM12, Eba13, Exi17, FTI18, Fil13, FGLB12, FGG11, GS15, GVS+15, GA10, GG16, GSY18, GTG+11, GCV14b, HLS+17, HP14, HC16, HC17, HWS16, HM12a, HAK+14, HJ14, HS14b, HH11a, HDZ14, HCSW10, IKS19, Ixa10, Ixa12, JC16, JL10, Jiw12, Jiwi15a, 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, PAS11, PR13, PM16, Pla16, QSC14, RM10a, RHBH15a].

Equations [QSB19, AAD13, ACCB13, APV10, ABB13, AD14, AD15, ABR17, AG12a, ABH+19, Add12a, ACDdM15, ACDdM19, BSM13, Bar11b, BKOZ16, BLAS19, BCT17, BK11b, BB10, BB13b, BAK+15, BAK+16, BAK+17, BHW+12, CZD15, CR13, CDTV10, CB13b, CSJ+17, CKK+13, CBB+10, CM14a, CEF16, DT10, 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, HM12b, HCHW11, HI11, JPSS10, JK10, JC13, JC14, JYPA18, JCL+18, Jiwi15b, JSM16, Kan14, KMM13, KD17, KO14a, KZC+10, Kra10, LBK12, Lev19, LWZ14, LLP15, LST15, LKPH19, lLSZ14, LLL12, LLL13, sL10, LRSS19, LSSW14, MDHD18, MB+10, MHWH19, MWCY14, MZE13, Moh14, ICD13, MNO11, NO14, NO12].

Equations [PKT15, PDRG10, PTS12, PSL+17, PE15, QYM11, QA13a, Ras09, Ras17, RBB15, SFF19, SAW18, SDM+12, SDS+17, SK15, SW14c, SP18b, SCLW16, SMdONF14, Sta11, SSK+13, SL14, TD14, Tia11, TYH+15, VSO+13, VBC+12, VJC12, Wan10a, WZ13, WYSW10, WT15, XWF18, XYK12, YWX11, YTYA17, YQM12, YQM14, ZWC+19, Zou18, dTOV18].

equiangular [ME18]. equidistant [LS15b]. equidistributed [GN14].

equidistribution [DF11a]. equilibration [NSK+15]. equilibria

[CFW17, LC15, MZE13]. Equilibrium [ALC18, Buc19, BDBV12, BPS+16, DMC+15, FBHB17, Hon10, JBKM15, KSL+11, PLF+17, PBD+15, SC15, Sin11, Sin12a, ZXZ+19, mZXZ15, dSFdFF13, LZ17]. equipment

[MGFRG12, RBG+19]. Equivalence [FD13, Che17, Mel19, Ram10]. ERKN [CYSL12, WYSW10]. ERMES [Oti13]. ERO [MGA+13]. erosion

[DNSD15, LSD18]. Erratum

[ERS10c, Nat10, SGM11a, SJY20, Wei11a, Wu10]. Error
[BPMM14, PEMS19, WS11b, ABH+19, BKV16, CLL16, Cip13, ÇÖSÜ11, Exl17, FMW10, JCL10, Kra17, Kra18a, LS15b, MLS10, MBFB13, Ram19].


estimates [BKV16, KKK+15, LS15b]. Estimating [Asc10, AM17, GFB+10, GGF+13, JCL10]. Estimation [DS15, KTA12, ABH+19, BBB17b, DMP18, EVB14, IBB18, SM14, Sha18, TW15].

Estimator [Asc10, SAA+10]. etched [VSG17]. etching [MFG+13].


Ev8 [RHBH15a, RHBH15b]. evaluate [MNV13]. evaluating [LHJ+15, RLL12, SZC+13, UA17, WDR16]. Evaluation [AHK+12, ACD+14a, AC13, ADT+19, AG12b, BBYU13, BDJS18, BCH13, BHJ+15, BHJ+18, BvH15, Brä15, CZ17, CSRV13, Deg15, FSH13, GBRB11, HJL+14, KZ14, KHN19, LAA+10, LSYZ12, MGB18, MSR10, MR13, MN16, MFG+13, PZL+19, PVK+14a, PVK+14b, Str15, TO10b, Yi11, ZC12, vH11].

Evaporation [TB14, XLX+15]. Event [DDM14, GGGH14, KBT+14, MM11, TMD11, VRV15, VRV18, BPSS18, BAB19, CKS10, CK19, DIR+19, De 11, dAFdSVM12, Gin10, GJTL11, Kas14, KRW13, RHHF12, Sha16, YWW13, vH18]. Event-based [BABC19]. Event-by-event [DDM14, VRV15]. event-driven [De 11, GJTL11, RHFF12]. Events [EF11, AFIS12, BDC+14, Bin13, HWT10, WJ12], everyone [Kap16].

EVO [BK13a]. EvolFMC [JPSS10]. Evolution [Cho11, HLS12, ABH+19, BCR14, BCT17, Bot11, Brä15, CJJ+17, FSJ+16, GM16, HKB+12, Hon10, HWCH11, JPSS10, JMG+17, MBRV+13, SW11, VPM12, XLX+15].


CB15d, CCN17, Dat13, Fow18, GMF+17, GJHF14, GCH+18, Ham11, HDF+19, HP11, JLW13, KL17, KKL+18, LC15, LCQF18, LL15, LCHM10, LCHM13, LLX14a, MRZ10, OL12, OYK+14, Qia10, Qia17, RMW13, Ser17, Ste17, Sza16, iT11, TSIM16, TL19, WX15, XAPK14, YBK+11, YBNY13, ZHPS10, ZC12, ZPaR16, vWB10, EBDM17, FCC15, JLW13. **Fast-NPS** [EBDM17].

Faster [Nie18].

**favourite** [DDK+15].

**FCNC** [CRC+13, RCD+10, Ros15].

**FD** [DM17].

**FDCHQHP** [WW14].

**FD** [DM17].

**FDTD** [Ram10, BAR12b, CKK+13, Fan19, FBN+13, FOB+15, Jia18, KKP11, KP12b, KO14a, KRB15, LL19, LJ+19, ORL+10, PYW+14, Ram10, Ram12, RHV+12, SSH+13, VEB+18, WWHW14, WGG+19, Yan09]. **FDTD-based** [BAR12b]. Fe [LQZ+13, BTM+17, LS17a, TG11]. Fe-3 [LS17a]. **FEAST** [LZP12]. feathers [TBB+14]. features [CDSG11, DZ15, EW16, dlRAPL11]. featuring [EBCB+14]. FeCo [PEMS19]. Fedosov [TOS10]. feed [KSYY13]. feedback [CDL+12, OCF10, mZfXL15]. Feenberg [MBGV15].

**FELIX** [RVDS16, RDVS18]. **FELIX-1.0** [RVDS16]. **FELIX-2.0** [RVDS16]. Feltor [WEH+19].

**FEM** [LHC+13, LWP+17, MGL16]. **FEM-based** [MGL16]. **FEM/MOM** [LHC+13]. **FEMSIM** [MHV17].

**femto** [LJSW11]. **femto-second** [LJSW11]. **femtosecond** [IB11, RETVH12].

**FEOS** [FTI18].

Fermi [MN16, BDP16, Buc19, CCL18, KCT15, Kaw19, SLK19]. **Fermi-surface** [Kaw19].

**FermiFab** [Men11].

**fermion** [AHK+12, BNO17, FGBL12, WRB11]. fermion-doubling [FGBL12].

fermionic [Men11, ÖKC11].

Fermions [FKL13, BG11, BCDI12, CZ19, CvV12a, CvV12b, CL16, GM18, LSR+17, UKKB19].

**FermiSurfer** [Kaw19].

ferromagnetic [CJH11].

ferroelectric [Gen10].

**ferrofluid** [PLD+13].

ferromagnetic [CAGL13].

FESTR [Hak16, Hak19].


**FEWZ** [GLPQ11, QGLP13].

FeynArts [FHH+14, STA10, SV12].

**FeynCalc** [SMO16a, Shl17].

**FeynDyn** [Dat13].

**FeynHelpers** [Shl17].

FeynHiggs [HP17].

Feynman [Bor14, Dat13, Ell17b, Fri14b, GM17, Kan18, MUU18, Nan17a, Nan17b, Pan15, Sem16, Sni15, Smi16, Stu10, WXG13, WX15, dALM+12].

**FeynRules** [DDF+12, ACD+14b, DF15, DF11b, REBS16].

**FFT** [BC11, JKIS16, KV19, LYX+17, MHWH19, TIM+16, YKK+19, YXT+15].

FFT-based [BC11, KV19].

**FFTs** [DO14a].

**FFTW** [KT10].

**FGT** [CLB11].

**FHI** [JAG+13].

**FHI-gap** [JAG+13].

**fiber** [CS17].

fibers [APR11].

fibre [BF16].

fibra [SB17].

FibrilJ [SB17]. fidelity [HWW+16, MNO+17, TTS11].

**Field** [NNH16, RLMGM+11, ABB+19, BW16, BG11, BMS+16, CzD15, CLHL19, CHDCJ17, CSJ+17, CZF18, CCHL11, CPH14, Cri18, CHZ18, DXY+19, DF13, DPB16, DBP19, EPB+16, EGGW12, ERM18, ESM17, Fuk17, GTK+19a, GA15, GZW17, GLW14, GX15, HO13, HEB+11, JHH+19, JTT11, KB15a, KKCC19, KH12, LPRPR17, LDR+17, LLSK17, LFG14, LXR+18, ME18, McM17, MEG12, NPVR14, NV+13, Nut14, PC11, PCGM14, Pit12,
**FIRE5** [Smi15]. First [BKV16, EY11, FWZ+12, PBMA12, SQ1+10, ADmD12a, ACDDm14, ADmD15, ACDDm15, BP12, Boy15, CSL+13, DdMN16, ELL+17a, GPS+13, GM18, GCVA14b, HL19a, JLA+14, LZL11, LS17a, NS15, SS13b, SWL11, VDF15, ZZ17a, ZFZ19].

**First-order** [VDF15]. First-principles [EY11, FWZ+12, PBMA12, CSL+13, LZL11, SWL11, ZZ17a, ZFZ19].

Fission [VRV18, Rom15, VRV15, VRV15]. FIST [VS19b]. fit [Gag12b, GH18, Gor19, SGDS16]. fitted [DS15, AKKK16]. Fitting [GD14, BW16, Ber16a, Ber16b, BPMM14, Bla15, Bru13, DFM+15, Duf16, DSPJ10, Eme11, KRB19, LFG14, LAS+17, Pat12, PDL+18, PBD+15, RPM+17]. five [SMGK19, XMLC16]. five-body [XMLC16].

fixed [Ano20, BW14, CNMC10a, CNMC10b, FGGM11, KK16a, LP15]. fixed-memory [LP15]. fixed-phase [BMW14]. fixed-point [Ano20, KK16a]. fixing [CSBO13, HbotRC15, SV13].

Flame [DGJH19, WLM14]. flames [EZL+16]. FLAPW [MBFB13, DPHB17].

Flash [Dim14]. flat [Sha18]. flat-histogram [Sha18]. FLAVOR [Ros15, EFG+10, AM10, CDS+13b, CGV13, Mur14].

flavour [AM11, AMR19, HKZN19, MHA+12, PS12, MHA+12]. Flexible [TCK+15, CSRV13, DLGP10, FCCTFR18, HvAS+13, JK14, KPA13, KBS19, LDR+17, ORI+10, PH13, SGM11a, SGM11b, SC16a, KBT+14].

FlexibleSUSY [AhPSV15, ABH+18]. flight [Deu16, YZZ+17]. flip [KO14b, Kom15a, Kom15c, KO16]. floating [CH11b]. floating-point [CH11b]. floor [PC11]. Floquet [LKM+16]. Flow [San11, BBB+17a, Ben11, CC16, CLW11, CRA10, CL13, DMC10, FHA17, FKS+19, FM15, GRLS18, HSF+15, HCT11, JU17, KK13, Kra18b, LCC13, LLSK17, LHH+12a, LTL+12, LOK+18, LSD18, MSI+10, MMC10, MPM14, MBS+10, MNPF17, NFA+16, NB17, NHSY15, OILK17, OP12, PBF+16, PC11, PG17, RF15, SIE16, SS11c, SQA+15, SDJ+12, SJW10, SSM+17, TFW14, TTK+12, TPC16, VSO+13, Van15, VK16, Yua19, ZY19b, ZNT15].


Flowgen [KLV15]. flowing [Sza16]. FlowPy [FSC13]. flows [ACMM10, BL19, BNS17, BBF+13, BOGL17, BCM+16, BCT+17, CDD+16, CPR12, CdLLO19, DBMR18, FDZ17, GZZ19, GSC+16, HKPF19, HZW+19, HJGL18, HJGL19, JVOK17, JPK+12, K10, Koh15, KPPC13, LSK+13, LH18, MTE17, MRVF13, ML16, NCB18, PBD+15, PE15, RJLL16, SYD17, SCM+18, Sza13b, Sza13a, TKJ19, TIMM13, TCP13, VL19, WZS+11, WG16b, WMI19, XDL16, YSL19, YS17, ZOZ13, ZZ+19, ZPS+18, ZBN+19, vDS10].


Fluid [OBPL19, WWR+16, ALA+19, BNS17, BHS18, CCD+16, CXL19, CGJ14, CL13, DOP17, DFI1a, DCU+19, DMC10, GZW17, GLW14, HWC19, HHM+19, HF16, HCHW11, JHH+19, KK13, KCN18, KGFS18, KTE+12, Koh15, LOL+18, LHH+12b, LH18, LSD18, LHF18, LDF+16].
[GKM10, GSMK17, MBGK11, MGK13, SMGK14]. four-point [BH13]. four-quark [ARAB +17]. Fourier [BH13]. four-quark [RJW +19, AQJ10, AH13, BNPPD19, BK11a, BLAS19, BCM +16, CZ17, CZ18a, GMF +17, HbotRC15, KZC +10, LDF +16, MJB +10, PCGM14, RJW +19, 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]. fourth-order [BK16a, XYK12, BIT12, DZ13, HZ11, LLXK16, ILsSZ14, NS15, PZZL19, SB11, SS10b, UNK12]. FOXTAIL [TJH17]. FP [FWZ +12]. FPGA [KHZ +18]. FPGA-based [KHZ +18]. FracSym [JC14]. fractal [ADdM +12b, EBCBG17, GTL11, GFB +10, GGF +13, MFLY19, RU13, GGF +13, GES13]. fractional [BMS +16, LHG +19, ZTG13, ZTG14].

fracture [RT˚AT15, VLM11, VKLM11, VLM11]. FracVAL [MFLY19]. fragmentation [BG14a, DG16, HK12, MDD18, PSB11, PSBT12, SW12b, SMGK19, YQM12, YQM14, BK13b]. fracture [RT˚AT15, VLM11, VKLM11, VLM11]. FracVAL [MFLY19]. fragment [LV19]. frames [MFS +10a, SS11b]. framework [AKH +18, Ano11o, BL19, CMC +15, CEZ16, CPW18, CFS13, CFFR15, DMC +15, ESM17, DRI +16, GVR19, GBFJ14, HMR +19, HMR14, HMI2b, ILZ +19, JEC +12, JIN12, JN13, KEH12, KSTR15, KSH14, KPOR18, LFKD18, LSD14, LS15a, LRW +15, LZP12, LHB +19, ML10, MGFRG12, NBM +15, NPVR14, PGO17, RBG +19, RM14, SV14, SX14, S18, SJ11, SPS18, Sva12, TOB +14, TE18, TVT +16, VEB +18, WFV14, ZZH +16, ZHL +19, CF16, FCC15].


CBYG18, CRB+17, CLB11, DRR16, DS13a, DCVB+13, DCGG13, DGG13, ELDS14, ELL+17a, Ex17, FFT+14, FGC+11, FDWC12, Fil13, FBN+13, FOB+15, FKS+19, Gai17, GP13, GJ13, GLHG12, GZZ19, GHR+16, GB17, GCC+18, GJ18b, Ham11, HWX+13, HPN18, HTLW19, HW12, Ihn12, JK14, JPCG15, JXTS16, JWCW17, KKP11, KP12b, KPA+19, KO12, KO13, Koi14b, Kom15a, KO16, KMA+12, LYP14, LCC13, LGW13, LSYZ12, LPB15, LWRQ16, Lut15, Lya15, MAWK18, MFM14, MFM15, MH1R+13, MHTM14, NHD16, Ngu17, OP12, PR14, PLD15, PBS+17, PKRS16, RD10, Sai10, SG11a, SIES12, Sie16, Smi16]. GPU
[SKM15, TL17, TS19, TCCV18, TDL+14, TPC16, WXW14, WFGZ19, WGG+19, Wei11b, WSH+14, Wil19, WC13, WAW14, XLY13, ZSW+17b, ZPS+19, ZWC19, ARYT17].

GPU-accelerated
[ELDS14, GHR+16, TL17, WXW14, BTL+17, Cap13, CRB+17, DS13a, GJ13, Ham11, HWX+13, MH1R+13, Ngu17, PBS+17, XLX13]. GPU-acceleration
[GCC18]. GPU-based
[Boe14, CMVRB+14, FDWC12, JPCG15, KO12, Kom15a, KMA+12, LCC13, PKRS16]. GPU-centric
[Sie16]. GPU-code
[EZBA16]. GPU-enabled
[ALA+19, LYP14]. GPUQT
[FVH18]. GPUs
[BL18a, Boe18, ACD+14a, AAT17, AEKO18, BS14a, BCDI12, CMRVVR14, CB13a, CSBO13, CWY+17, CBB+10, CSV+18, CH11b, CBB14, Dat13, Dem13, DSP15, ECD+10, FGG11, GNA+15, GNP19, GJB11, GM18, HTJ+16, HA13, LZ13, LQ18, sLqS13, MR14, Maz13, MRSD15, MKB+11, ON12, PKR17, RK19, SV13, SOON11, SAN18, TK14a, TCP13, WXW13, WAHL13, WR18, WW14, YLC12, YBK+11, YBN13, ZBN+19, dJBIM16]. GPUs-The
[HLZ13]. gpuSPHASE
[WMRR17, WRMR19]. GR
[OK12, OK18]. Grad
[HS14b, SV19]. GRADE
[M19]. gradient
[AG12a, CR12, EFK+19, HboRT15, HKVR10, JHL+15, KN13, SEG15, WX14, ZY19b, ZYL+19]. gradient-based
[HKVR10]. grading
[vSGB18]. GRADSPMHD
[VKP14]. grain
[BDL19, LFK18]. grained
[AGVP10, AMJ18, Bru13, ESM17, FPY+17, NLB+19, PA13, SM19]. graining
[GB11, HJE+19, MNL19]. Grand
[AS16, PLCC12, Sit18]. Grand-Canonical
[AS16]. grand-canonical-like
[PLCC12]. granular
[CSS+18, GTP1L22, KPPC13, RU12, San11]. graph
[ASTT16, AOK15, Bor14, SSSS15, TMS19, ZLL17]. graph-theoretic
[SBS15]. graphene
[CW16, FUSH14, GZL14, Ihn12, KLKR11, LHL14, OCL+13, RE19, RFSF18, STT11, SY11, SWL11, TMA+15, WQ18]. graphic
[Fil14, GLB13, RPL+14, RLMG+11]. graphical
[CF16, DS11a, GWM13, GLR17, LAS+17, TUY15, Zlo13]. Graphics
[Dem11, APRG11, BdVGS11, BK11a, BHS18, BJCG13, CDS13a, Col14, DBDP12, DF13, FSH13, FUSH14, FCV17, FV18, FZY13, HAN+16, MED11, MEM+11, NPAG11, PLD+13, Rap11, SH12b, TD11, Tic10, TB14, WDL11, WWFT11, Boe18, MSML10, YLO13]. graphics-processing
[MED11, Tic10]. graphite
[CCL15, WWL11]. graphs
[BBW11, Bor14, FRW17, Kan18, MKMK10, MKV11, SL11]. Grasp
[JGB+13]. GRASP2018
[FGJB19]. gratings
[CZL+11, FBN+13].
hierarchy [GGG+19]. Higgs [EMW19, ERS10c, Ore19, AC17, BGM+14, BM19, BBH+10, BBH+11a, BHZ13, CGG+14, DDKM15, DLM18, ERS10a, ERS10b, FEH11, HP17, HLM13, KKS18, MGS13, SAE+16]. Higgs-mass [HP17]. HiggsBounds [BBH+10, BBH+11a]. High [AAA+16, AQJ10, AHJ+19, Ano19m, BG19a, BCT17, BVH15, CLHL19, Ein16a, GS15, Gai17, GFB14, HS19, HVWT17, JTW+17, LVL12, LSR+17, MF17, MD10b, ML16, DPB17, NS15, NO12, PHA18, RHW+12, SSH+13, SA15b, SBPD19, SMGK14, TY10, WGVPL17, ZBN+19, AAD13, AAD14, Arai14a, Arai14b, AH13, BDT15, BL19, BDKS10, BH14a, BCH17, BCDP18, BWPT11, BKPT12, BY13, BMG+15, BDGM+17, CFMR10, Cap13, CNS+18, Cz18b, CMJ+11, CD12, CL15b, CR12, CBGY17, CBGY18, DBMR18, DGPW11, DRR16, DJ11, DM17, EZBA16, ECD+10, EGT+18, FTT18, FG13, Fu19b, FB19, GLAC13, Gar19, GA10, Hah12, HEWP13, HYM11, JH11, JVR12, KB19, KV19, Koh15, KSYY13, LV15, LM16, LWZ14, Li15a, LJ+19, LWJ18, LAG+17, LLL14b, MMO+17, MTE17, Maa19, MWH19, Mil16, MS15, MKL+17, MLK+19, MNO11, PE17]. High [PVK+17, PGO17, Qia10, RRCS10, RLS16, SHW18, Sch14b, SHZ13, SLK19, SCN18, SCM+18, SPSP18, Tia11, TGH+16, TS10, VL19, VMGP+19, VV16, WSS10, WC10, WSS1a, WWC+16, WvSL13, WLM14, Wie15, WMR+16, XHLUF+18, XQ19, YvOS15, Zag14, ZD15, ZFH14, ZO13, ZZ17a, ZFZ19, ZW15, ZNT15, DBLF16, OB19]. High-accuracy [AQJ10, CLHL19]. high-density [HYM11]. high-dimensional [CZ18b, DM17, MWH19, WC10, WvSL13]. high-energy [Hah12, WS11a]. high-entropy [PE17]. high-frequency [BDGM+17]. high-intensity [SC18]. high-level [MVS15]. high-level/high-performance [MVS15]. high-nuclearity [DRR16, RRCS10]. High-order [BCT17, MF17, MD10b, RHW+12, SSH+13, SA15b, TY10, ZBN+19, AAD13, AAD14, BL19, Cap13, DBMR18, DJ11, EGT+18, FG13, GA10, Koh15, LV15, LW14, LWJ18, Maa19, MLK+17, MLK+19, PKV+17, Qia10, Tia11, VL19, VV16, WSS10, WMR+16, XHLUF+18, XQ19, ZF14, ZF14, ZNT15, DBLF16]. High-performance [GS15, Gai17, JTW+17, LSR+17, DPHB17, ARA14a, ARA14b, FB19, MS15, SHZ13, VMGP+19]. high-precision [BDT15, KB19, LM16, SLK19]. high-pressure [SHW18]. High-resolution [PHA18, BMG+15]. high-speed [CNS+18, VL19]. High-temperature [HVWT17, Liu15a]. High-throughput [ZZ17a, ZF19]. high-velocity [JH11]. Higher [ABdA15, CD15, KO14a, WP10b, ACDD15, Cha16, CL12, DKS14, MK19, MO14, SR12, SC16b, SB11, VJC12]. Higher-order [CD15, KO14a, Cha16, MK19, SC16b, SB11]. Highly [CH11b, HTLW19, LBP15, MTM13, MGR16, PFFK19, dSF18, BL19, BY17, GRLS18, HBP+15, MSI+10, MLS10, SE12, SEW14, WQ18, WDR16, YBY13]. highly-efficient [WDR16]. Hiking [Bra15]. Hilbert [ERPF15, SA15a]. Hilliard [LLX16, XY19, YZ19]. Hirshfeld [EPP12]. histocompatibility [HFSK12]. Histogram
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, CGM17, DJ11, Ert15, Jiw15b, PTK15, RD10].
hypercubes [TOB+14]. HYPERDIRE [BKM14, BKK13, BK15, BK16b].
hyperfine [ZE11, ZE16]. HYPERgeometric [BK15, BKK13, BKM14, BK16b].
hypercubes [TOB+14]. HYPERDIRE [BKM14, BKK13, BK15, BK16b].
hyperfine [ZE11, ZE16]. HYPERgeometric [BK15, BKK13, BKM14, BK16b].
hypersonic [BTC+17, PBD+15, TIMM13]. hyperspherical [AV13].
HypExp [HM12a]. hypotheses [Zlo14].
i-PI [CMM14, KRM+19], I.V.P.s [RL10]. I/O
[BABC19, DRUE12, GGI+13], IAST [SSH16], IBAR [Cas12], IBM
[CRA10], ICC* [KSH11], ICCG [PYW+14]. ice
[HYM11, IUM13, RTÅT15, TS10]. ICSM [BBL+13]. Ideal
[SSH16, ZFZ19], ALA+19, LOL+18, PE15, TDL+14]. IDEN2 [AKV18].
Identification [BGHN19, AKV18, Bin13]. identify [PLD15, VBMP15].
Identifying [Law19, LZ12, Kra10]. identities [LL19]. IDSOLVER [GJ14].
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iHixs [DLM18]. II
[RHHB15a, Ano11a, AD15, ABH+19, BJBC+14, BH14b, BMW14, BAK+16,
Dan10b, HBS+11, Nog17b, dRAFL11, RHHB15b, SH18, SAS11, SSK+13].
III [PSL+17]. illustrating [ZW15]. illustration [CLB11]. Image
[DGPR18, iSMM11, GES13, JTP15, LAS+17, TW15, XD13, XHD15].
ImageJ [SBB+17]. images
[AKKK16, CRB+17, GFB+10, PVH+17, WG16a]. Imaginary
[LR13, LR16, ABDR17, CYOS19, YOM+19], imaginary-time
[CYOS19, YOM+19]. imaging [CFCB12, Fer15, GSB+14, SSM+17].
imbalanced [WRB11]. imbibition [GTS+13]. imbibition-drainage
[GTS+13]. Imeall [LFKD18]. IMEX [DMP18]. IMEX-trigonometrically
[DMP18]. immersed [CCHL11, CGJ14, JvOK17, NCB18, Ser10, YS17].
imbalance [CCLL18]. impedance [KM17]. Impingement [LNSD15].
imping [HHT+14]. implants [RMS+12]. implement [MRL18].
Implementation
[AS16, Alv12, BKOZ16, BDPM15, Boe18, BF10, DPK+15, GSZ13, GZZ19,
GGG+19, GES13, GFJ+14, GBJ+19, HP17, IIO16,IFO18, KH19, LLG17,
MWI+19, MPB10, MFG+13, MBGV15, NBN+14, RV10, REBS16, SXS14,
TIM+16, VDB14, WP10a, ABR19, Ara14a, Ara14b, AKS17, AdDM12a,
APC+14, Bad11, BJCW13, BCJW13, BH16, BVSG19, BW15, BG14b,
BENK+17, CKT17, CFCB12, CL15b, CGJ14, CGG+14, DEMM19, DA16,
DCVB+13, DM12, FGC+11, Fow18, Fri14b, FHH+14, FKS+19, GS17b,
GS17a, GVS+15, GHBL18, GB17, HWG13, HFOPF15, HL19a, HLZ+13,
HDM+12, JWJL12, JK14, JWOW17, JJ15, JKIS16, JP10, KFS17, Kap12a,
KKG+15, KBSP19, LKM+16, LBM+14, LHZ11, LK15, MBF+10, MSS+16,
implementation
[SCC +12, SSF +17, SBPN15, SLK19, Sni15, TPK15, TL19, TS19, TTT16, US16, VS19a, VB19, WMRR17, WMR19, WC15, WPAV14, ZMJ13, vRWS14].

implemented
[BWP11, BKPT12, BY13, QJF16, BF16, BCPS11, MJKB18, SOPS12].

implementing
[BWPT11, BKPT12, BY13, QJF16, BF16, BCPS11, MJKB18, SOPS12].

implements
[MZE13].

implications
[PdMML19]. Implicit
[FLSZ13, FM15, GHBL18, GMB +19, Lan13, TYH +15, VL19, ALA +19, BB12, BF10, CZD15, CDBM16, CC14, CC15, CW16, DBMR18, FZR19, GZZ19, HCHW11, IBP +15, JCL +18, KKG +15, LOL +18, LST15, LHH +12b, MIW +12, MWI +19, NDF +19, NLSJ17, RC15, SS13b, SC15, SHL +11, TT14, WG16b, XWF18, XYK12, XZ12, YLSLY19, YLKN17, ZSW +17b].

implicitly-explicit
[CW16].

implicitly
[WWS10].

implosion
[SKK +19].

import
[PG19].

important
[rJMYT11].

Imposition
[MDPTTC17]. improve
[FZ16, SCMI3, WW12].

Improved
[AK13b, BKCT17, CJL +11, GV15, Jab13, KCT15, KO16, LRK13, NNWS15, RGH10, SSF +14, WMK11, WPD +15, ADdM16b, BW15, CKLM10, CDM14, GCF +17, GST12, HKH +11, KDM11, KPPC13, LJG +19, MGO13, MS14, MBFB13, MFLY19, Nat09, Nat10, RLS16, RJL16, SWL +15, SD10b, TD17, WZS +11, WW13, War16, XD16, vDSM16].

Improvement
[ADdM16a].

Improvements
[PLF +17, SSS +11, DSS +19, Tan19]. Improving
[AKK +18, ADdM15, HHC16, KPVDH13, SGM11a, SGM11b, CMRVR16, KK17, Pit10].

Impurity
[BHT19, FLSZ13, GWF +11, HWG13, HWM +15, Hua17, SKFP16, GW17, YWOD19].

IMT
[MI10].

in-core
[AZM14].

in-situ
[KY14].

InAs
[BMNS14].

incidence
[BMF +19, PSTV15, VDB14].

Inclusion
[RU12, ARMD17, TKJ19, UIY11].

Inclusions
[Bot13].

Incomplete
[AKK +18, ADdM15, HHC16, KPVDH13, SGM11a, SGM11b, CMRVR16, KK17, Pit10].

Incompressible
[BLAS19, BCM +16, CC16, DBMR18, EW14a, GZW17, KGFS18, Ki10, Koh15, Kra18b, LOK +18, LH18, LWJ18, NHSV15, RH17, TKJ19, YTYA17, ZBN +19, CRLS18, GRLS18].

incorporated
[AM14b].

Incorporating
[KZ11, NLB +19, LYZ13, TKP15, WN10].

Incorporation
[CLR11].

Independent
[EGT +18, Ein16a, HO13, Les16, LLX14a, SM +17, XQ19, ZKS13, HSD17].

Index
[ICPD16, SAA +10].

India
[BPMM14].

India-based
[BPMM14].

indices
[KTA12, SK10].

Indirect
[BBB +11, Han11].

individual
[HFOPF15].

individual-based
[HFOPF15].

induced
[Gao13a, HYM11, LS17a, San11, SJY18, SJY20, Van15, WL11b, ZLM12].

induction
[VMGP +19, YTYA17].

inelastic
[ASEA14, TVGB15, WFDK19].

inertial
[DBP19].

Inertial
[JFHA19, HJL +14, LHJ +15, MJKB18, SKK +19, SS11b, Rtv16]. inexact
[RLM13]. Inference [dCD19, CRB +17, KD16, KRB19]. Inference-Aware
[SGDS16]. infinite [SBH +12, ZLL13]. infinitely [BAF18]. infinity [SS10b].
inflation [HCC14]. Influence [BL14, OML11, ZHC18]. Information
[CLKK11, CDL +12, EBDM17, Fri14b, HFSK12, LTL +12, OG14, OO15a,
Sai13, mZfXL15]). infrared [Gar19, SC16a]. infrastructures [GBS +16a,
VPMVH +17]. InGaN [YSN +14]. InGaN/AlGaN [YSN +14]. Ing´olfsson
[BL18a]. inhomogeneities [PP13]. inhomogeneous [MCM +12].
Initial [BBRS19, OK12, RSBB14, FBG10, GN14, Jan10, KAS12, LLL12,
LW14b, SS13b, SS10b, VSG18, ZLT10, vH18]. initial-boundary-value
[GN14]. Initial-State [BBRS19, RSBB14, OK12]. initialization [BDBV12].
initialize [BMS +16, LHG +19]. initio
[APS +16, BW16, BKS15, CMM14, CJJ +17, DA16, DML +16, LOK +16,
Maž19, MLK +17, MLK +19, NSH +19, QZ19, RH11, SXW +18, WJCZ18,
WQ18, Will15, Wit14, WPAV14, ZFBR11, OBH10, TG11]. ink [BLV +19].
inventive [PNL13]. Input [CMSV14, RJW +19, Rut18, SOJ14]. Input-output
[CMSV14]. inputs [CSRV13, HLL13, ZKS13]. Insight [Ros16]. insightful
[SDL +16]. inspired [DS13c, Fri10, JMK15, Nut14]. instabilities
[ML17, PHT +19, sX19]. instability [CHA11, Dua10, GV15, HZW +16,
LYX +17, LW11, SCN +18, WG12, XYM +15, YXD +15]. instance
[NB17]. instructions [WN19]. Instructive [Nem16]. Instrumentino
[KSH14]. instruments [KSH14]. insulator [CJH11]. insulators
[BMZ +18, PSP16]. integer [HM12c]. integrability [ACDdM14]. Integral
[Smi15, ASEA14, Boy15, CMM14, Dat13, DG10a, GJ13, GHvSF14, KO14a,
MUU18, MNV13, ML14, Mi210, Qia10, RGKR17, Smi16, Stu10, WFM14,
ZBG +16, ZDWM17, ZWLZ17]. integral-equation [ML14]. integrals
[AG12b, AM17, ACDdM14, Bog16, BBH +18, BH13, BCH13, BJH +15,
BHJ +18, CEZ16, CGH +11, GBN17, GLZ17, GM17, JH15, JZZ +19, Kap12b,
KCT15, KKH +14, Mey18, Pan15, Pat15, Pat17, PB13, Pra17, RMW13, RZ19,
TO10b, WISA11, dDYK +18, MN16]. integrand [Per14]. Integrated
[JGC +11, NBW16, AKH +18, AON10, GGI +13, GC12, MNL19, RB18].
inTEGRating [Bot12, dHV10]. Integration
[MAIvAH14, AK13a, ABH +19, BKV16, BE14, CH19, CCK23, End11,
GDB10, GEB18b, Kan14, Kap12a, KD17, MWI +19, MF17, NPAD11, Odr11,
Pan15, RBBB15, SHT18, SS13c, SBL16, WAHL13, Wu10, YYWF09, ZF15].
inTEGRATION-BY-PARTS [Kan14]. integrations [Lan13]. Integrator
[VBC +12, BBB +19, BJH +19, CEP18, KRK16, PIH11, Tan19, Ume18].
integrators [AEKO18, BCT17, Cap13, KV10b, MHWH19, Mi15, MO14,
SBPD19, WYSW10, ZYWR14]. Integro [DSW15b, GJ14, MJB +10].
Integro-Differential [DSW15b, GJ14, MJB +10]. Intel
[BBS14, Lya15, NBW16, RJKC16, YSMA +17]. intelligent [LWL12]. intense
[GH15, JTT11, MiH12, ON14, TC11b]. intense-laser-driven [MiH12].
intensities
{Dan10a, Dan10b, Dan14, Dan16, Dan17, Dan19, Hei12, ARYT17}. intensity
{Dan11, MSPD12, SCNJ18}. intensity-energy {MSPD12}. inter
{HB13, KK17, PZL+19}. inter-cycle {PZL+19}. inter-particle {KK17}. inter-polyelectrolyte {HB13}. Interacting {ATW+19, Cas12, APC+14, CvW12a, CvW12b, Fil14, HL19b, LJSW11, LSR+17, LKT+16, MBFD12, PFA+15, RS12, SSF+17, TD17, TKZ18, UKKB19}. Interaction
{BF16, BM13, BL14, BSC+13, CSJ+17, CL11, CUL+17, DCU+19, Gai17, GC12, Gar19, GBD10, GC10, GC13, GC16, GC18, GCK19, HMR+19, HRC11, IKS19, ICPD16, KPST15, LB13, MPS13, NS11b, RetVH12, RE12, Sar17a, Sar17b, SS14, SAY+18, TJH17, Yan11, ZZ15}. Interactions
{BF16, BM13, BL14, BSC+13, CSJ+17, CUL+17, CL11, CUL+17, DCU+19, Gai17, GC12, Gar19, GBD10, GC10, GC13, GC16, GC18, GCK19, HMR+19, HRC11, IKS19, ICPD16, KPST15, LB13, MPS13, NS11b, RetVH12, RE12, Sar17a, Sar17b, SS14, SAY+18, TJH17, Yan11, ZZ15}. Interactive
{KRC11, IKS19, ICPD16, KPST15, LB13, MPS13, NS11b, RetVH12, RE12, Sar17a, Sar17b, SS14, SAY+18, TJH17, Yan11, ZZ15}. Interaction
{BF16, BM13, BL14, BSC+13, CSJ+17, CUL+17, DCU+19, Gai17, GC12, Gar19, GBD10, GC10, GC13, GC16, GC18, GCK19, HMR+19, HRC11, IKS19, ICPD16, KPST15, LB13, MPS13, NS11b, RetVH12, RE12, Sar17a, Sar17b, SS14, SAY+18, TJH17, Yan11, ZZ15}. Interacting
{ATW+19, Cas12, APC+14, CvW12a, CvW12b, Fil14, HL19b, LJSW11, LSR+17, LKT+16, MBFD12, PFA+15, RS12, SSF+17, TD17, TKZ18, UKKB19}. Interacting
[Cip13, GC13, Sar17a, Sar17b]. \textit{ion} [BT17b, BB13b, BKN+17, CCL18, Gai17, GAB+16, JulAM16, JGC+11, KHB14, KMD12, PCR17, PR14, SKK+19, SK12, SQS+16, SVG10, TXZL15, VS19b]. \textit{ion-ion} [SVG10]. \textit{ion-surface} [Gai17]. \textit{IONIS} [Hei12]. \textit{ionization} [JTT11, BPC12, BH17, Frit12]. \textit{ionospheric} [KST+14]. \textit{ions} [BP12, HH11a, JTT11, KNs+17, Lit13, LB11, LB12, MCA17, MFS10b, NNWS15, SK12, SQS+16, SVG10, TXZL15, VS19b]. \textit{ionization} [JTT11, BPC12, BH17, Frit12]. \textit{irradiation} [MBRV+13, PCR17]. \textit{irregular} [BS15b, RHH12, SSG+10, SSG+18, VHP+15, vds13]. \textit{ISDEP} [VBC+12]. \textit{ISICS} [Cip11, Cip13]. \textit{ISICS2011} [Cip11]. \textit{IPEC} [HB13]. \textit{i} [Cip13, GC13, Sar17a, Sar17b]. \textit{IQC} [JTT11, BPC12, BH17, Frit12]. \textit{IR-improved} [War16]. \textit{irbasis} [CYOS19]. \textit{irradiation} [MBRV+13, PCR17]. \textit{irregular} [BS15b, RHH12, SSG+10, SSG+18, VHP+15, vds13]. \textit{IR-improved} [War16]. \textit{irbasis} [CYOS19]. \textit{irradiation} [MBRV+13, PCR17]. \textit{irregular} [BS15b, RHH12, SSG+10, SSG+18, VHP+15, vds13].

LWW10, Wan10b. least-square [DSPJ10]. least-squares [AG12a, Kra11].
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[MSR10, MS15, SSG+10, SSG+18, SPS10]. Lemon [DRUE12]. length
[KMS19, SBB+17, UIY11]. Lennard [FPY+17, MHR+13, WN19].
Lennard-Jones [FPY+17, WN19]. Lennard-Jonesium [MHR+13].
LEOrbit [MPS13]. LEP [BBH+10, BBH+11a]. lepton
[CGV13, CPWZ18, DSS+19, Mur14]. leptons [KFS+13]. less
[Ber16a, Ber16b, Pos18]. Level [Ano19m, Ki10, NHSY15, ACD+14b, BR14,
BKS15, Fen12b, FE11, FEH11, FHA17, FN17, HEF12, HZW+19, KN13,
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[AKV18, GCAV14a, Kra11, TRM+12, ZW15]. LEVIS [PCGM14]. Levy
[YZZ+17]. LHC
[Ano19m, BDDM18, CUL+17, DDK+15, KSTR15, QGLP13]. libCreme
[RL12]. LIBERI [TO10b]. libraries [BV13, GAC+17, dALM+12]. Library
[TO10b, Ast14, BS11, BS13a, BS14a, BDJS18, BCPS11, BCR14, BBF+19,
BMS+16, BFD+11, COK19, CECCS16, ÇÖSÜ11, Cri18, CGH+11, CKJR11,
DBD+17, DDH17, DRUE12, DLW+18, Ein16b, GG1+13, GP13, GVPJ18,
Gri11, GHvSF14, GSB16b, HAV+14, HM12a, HvAs+13, Ike18, ID18, JCL10,
KvdO11, KPV16, LS16, MW12, MOB12, MD11b, MCAdF14, MV11, MRL19,
MG10b, Mü11b, Mü14b, MGR16, NGCI+12, PQTGS17, Pos19, RDC+18,
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ZE11, ZE16]. LibreGrowth [LRSS19]. Libxc [MOB12]. lidar [SSP16]. Lie
lifted [XWF18]. ligands [PDC14]. Light
[NSH+19, SKML11, BF16, CKLM10, EW14b, EW16, HHT14, KOT12, LN16,
TMD11, WLL1b, ZSW+12, Zol14]. Light-Matter [NSH+19]. light-wave
[BF16]. lightest [DML+16]. lights [SJW10]. like
[BP12, Fri17, HSD17, HH11a, LB+14, LB11, LB12, MFS10b, NVW+13,
PLCL12, SQA+15, WJCZ18, XLL15, ZRS12]. LikeDM [HTY17].
Likelihood [HTY17]. LIMAO [SJY20, SJY18]. LIME [DRUE12]. limit
[CM14a, CEF16, DDK+17, HLM17, MMO+17]. limitations [CSV+18].
Limited [BR11, CH11b, KdMvo14]. limiter [AAD14, KGK+16]. Limits
[BCTP18, LCR10, BBF+18]. line [MKMK10, Ru13, SCM+16, Zlo13]. Linear
[AG12a, BMU11, MW12, OOK+12, YÇÖ15, AS11b, ABF19,
BMC+11a, BMC+12b, BCT17, BGHN19, CFSK14, FUSH14, FVH18, FR15,
GBP13, Gor19, GCHL15, HDF+19, HRC11, HHS+10, Jan10, JYPA18,
JWCW17, Kan14, Kap12a, Kap12b, KBB+17, KBP19, MB+10, MBGV15,
PHT+19, PR14, RWKS15, SK12, SLEF17, SS10b, SPP19, SJY18, SJY20,
TC11a, VBS+17, VDA+19, XYZ19, YZ19]. linear- [SJY18, SJY20].
linear-scaling [FUSH14, FVH18, KBB+17, RWKS15]. linearization
[CLF18, MBFB13]. Linearized [KOK17, AM14b, CSPAD10, DKSG16,
GBSY18, IH11, KAW+10, ILSZG14, PBMA12]. linearly [ÅSTT16]. lines
[AKV18, McM17, SVGS18]. link [SK10]. linked
[LYJY10, TKR13, WG11, MRZ10]. linked-cell [LYJY10]. linked-cluster [TKR13]. LINPRO [MW12]. Linux [GBC+18]. Liouville
[LV10, MGRB11, TVGB15]. Liouvillian [ADdM12a, ACDdM14]. lipid
[FPY+17]. liquid
[FBP+14, JHH+19, LGH+19, MSH11, Sin12b, SA14, TW11, WJCZ18]. liquid-like [WJCZ18]. LiquidLib [WJCZ18]. liquids [WJCZ18]. List
[Ano10a, Ano11b, Ano12a, Ano13a, Ano15a, Ano16a, MRZ10, HAN+16, KHN19, LYJY10, ZZHG18]. Lists [KKK+17, ABRS12, WRR18]. LiteRed
[SS13c]. Liviu [Pat12]. LNL [MRZ10]. load [BS15b, EZBA16, EDPZ19, ER19, FRG12, FN17, GMF+17, JFHA19, OCF10, SKSK13]. load-balanced
[EZBA16, OCF10]. load-balancing [BS15b, FN17]. loaded [Pra11]. Local
[CWJ19, CHDF10, LWZ14, PR12, WHG+19, AMJ18, ABH+19, DG10b, DKG+14, GWL+17, GTK+19a, KTB17, KL14, LYX+17, LJT+16, MS14, NKS15, QWZW18, TKJ19, VPP+12, WIT14, XWF18, YXT+15]. localised [MYP+14, SPMM11]. Localization [dSFdFF13, HW11, OCM+19]. localization-delocalization [HW11]. localized
[CAF18, KAW+10, NGM+10, PVK+14a, PVK+14b, PMVG16, RCGT16]. locally [CZD15, LLP15, RC18, ELL+17a]. location [CS17, PP13]. Loewner
[SW11]. logarithmic [PPY14]. LONE [CB16a]. Long
[DV11, Boe14, BAF18, BENK+17, CHZ18, DS11b, ERPDFLS15, Fil13, Fil14, HL19a, HM17, Sza16, iT11, WWVB11]. long-range
[Boe14, Fil14, HM17, iT11]. Long-time [DV11, BENK+17, CHZ18]. long-wave [DS11b]. longitudinal [KB15a, Qia17]. look [JLA+14]. lookup
[CXG+19]. Loop [ADH+17, DLU18, ABB+16, ABB+14, AMRdA17, Ano10o, BBU11, BGM+14, BWWM19, BBH+18, BDGG19, BH13, BCI13, BJH+15, CEZ16, CGH+11, DDH17, DNPS13, Fen12b, FEH11, GLZ17, HEB12, KKSY18, LS17b, MCWJ15, Mey18, Pat15, Pat17, Per14, Pik8, Sta11, TMS19, YdDH+12, dDYK+18, vH11]. loop-corrected [BGM+14]. Loopedia [BBH+18]. Loophole [DMH16]. Loophole-free [DMH16]. loops
[AHK+12, ACD+14a, BCS10, Pre18].LOPT [Kra11]. Lorentz
[CdFDS16, LV19, LL19, MFS+10a, Ume18, Ume19]. Lorentz-boosted
[BK12, KGNS10, LCY+11, AGH+16, BDBV12, BT17b, Fu19a, GCC+18, HYM11, Kol15, LO14, MSPD12, MCP+11, NRSVV12, PTMDPK14, RF16, RHC15, TSM16, TKJ19, TIM+16, VSG18, Wei12, Zlo14, vRWS14, BH14b, MPS13, MNPF17]. low-amplitude [BT17b]. low-density [HYM11]. low-dimensional
[vRWS14]. low-dissipation [Fu19a]. low-dissipative [TKJ19]. Low-energy
[LCY+11, MSPD12, NRSVV12, BH14b]. low-frequency


Magnetization [CZGC19]. magnetically [Ram12, SCM+16]. magnetisation [ALC18]. magnetised [AM19].

Magnetization [CZGC19]. magnetized [BOPL17, BEKP19, CFF19, LJD+19, MCM+12, MMM+15, Ram10, sX14, Yan09].


Magnetocristalline [QZ19]. magnetogasdynamic [Yua19]. magnetohydrodynamic [MKWI1, SNBI1, TYHI+15, WWFT11, WAW14, WWM14, YTYA17, ZD15].

Magnetohydrodynamics [CGM17, Ein16b, QM10, QA13a, WFZG19, dIRM18].

Magnetohydrodynamics-based [WFZG19]. magnetoresistance [Dua12].

Magnetospheric [LYP14]. magnetostatic [CCHL11].


Magnus [AEKO18, BCT17, IKIS19]. MAGPACK [RRCSCJ10]. major [HFSK12].

Making [Hoh18, LPBH11]. MaMiCo [NFA+16, NB17]. MaMR [JTW+17].

ManiParse [CGO17]. manifest [REBS16]. manifolds [CB18, DS13c].


Many [BRH+16, GBJ+13, GBJ+15, GBJ+19, RB18, ADT+19, BBC+13b, FCVH17, FLW17, GBJ+10, GBJ+12, GFJ14, HZ+13, JWC18, JWM+18, JOK13, JGD12, KPS15, KHN19, Men11, MMY+19, Mül14c, PMMW15, PBS+17, RJK16, WZHE18, ZC12, ZBN+19, NBW16]. Many-Body [GBJ+13, GBJ+15, GBJ+19, BRH+16, ADT+19, BBC+13b, FCVH17, GBJ+10, GBJ+12, GFJ14, HZ+13, JWC18, JWM+18, JOK13, JGD12, KPS15, KHN19, PMMW15, WZHE18, ZC12]. many-core [RJKC16].
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LW13, DPHB17, NCHN15, NLSJ17, PB16, TC12, dlHV12. **Matrix** [BK11b, DBK+14, JWCI8, ZLL18, ABB+16, ACM19, ART17, APV10, AC13, BG19b, Bot12, CNMC10a, CLJ12, CPWZ18, CK12, DN18, Des16, GZL14, GJ18a, HCRD14, HD17, IH11, JZJ18, KK16b, KH12, Lee18, Lev19, LJB+16, MIH12, MKG13, Mil16, MSRL10, NBN+14, NPM16, PO14, QJF16, Ram12, RGH10, Sai13, Sar17a, Sar17b, SDS15, Sha13b, Sha16, SD10a, SAS11, SDL+16, TK14b, UFKB19, USOA13, VvAV+11b, VvAV+11a, WPAV14, WWR+16, BD12, BR13]. **matrix-element** [Sha16].

**matrix-exponential** [Ram12]. **matrix-free** [KH12]. **Matter** [NSH+19, AMR19, BBB+11, BBPS14, BBPS15, BHN+16, CCM12, FTI18, GT19, HBL+13, HTY17, HCM19, IKS19, Jab17, LRC+11, MKB+11, ONS+15, SBH+14, WJCZ18]. **maximal** [Maz13]. **maximally** [KAW+10, MYP+14, NGM+10, PVK+14a, PVK+14b, PMVG16, SV13, SPMM11]. **maximally-localised** [MYP+14, SPMM11]. **maximally-localized** [PVK+14a, PVK+14b]. **maximum** [LLG17]. **Maxis** [LJZ+18]. **Maxwell** [BSK+18, BB13b, CSJ+17, CEF16, Dem13, FE11, HLLH16, KVV19, KO14a, LV15, LLP15, LYX+17, SCLW16, VV16, VV18, YXT+15]. **Ma´zdziarz** [MLK+19]. **MBE** [AH13]. **MBPT** [KPST15]. **MC** [FK12, JOR+12, SM19, DGPW11, LRC+11, WS11b]. **MC-TESTER** [DGPW11]. **MCC** [SBL16]. **McCormack** [Sza13a]. **MCdevelop** [SJ11]. **MCgrid** [BHS15, DHS14]. **MCMC** [BG13b, BLG14, Bon15, Bon16, VPMVH+17]. **MCNP** [Car10a, Car10b]. **MCNP5** [SMCB+15]. **MCNPX** [LL15]. **MCPL** [KKK+17]. **MCS** [LLE+18, YLL+19]. **mesanc** [BS13b]. **mesanc-v1.01** [BS13b]. **MD** [FMRF16, HBH+17, TCCV18]. **mdFoam** [LBR+18]. **MDMC** [BG14a]. **MEAM** [DFM+15, Duf16]. **MEAMfit** [DFM+15, Duf16]. **Mean** [LS15b, LGV19, LJP15, LV15, LCP15, LYX+17, SCLW16, VV16, VV18, YXT+15]. **mean-field** [BG11, DPB16, EPB+16, GTK+19a, NPVR14, QIF16, UW12, WHG+19, dB14]. **mean-square** [UW12]. **means** [ACMM10, DAW+19, dASJC+19]. **measure** [ABC14, LLX14a]. **measured** [Kon11, Sco13]. **measurement** [AK13b, BM15, CDS11, LLQX19, PR13, RBG+19]. **measurements** [EBDM17, ERDFL15, FBHB17, RF10, RBG+19, SW12b, WLM14]. **measures** [HLL13, RLL12]. **measuring** [ICPD16]. **Mechanical** [Voy13, AMM11, AYDY11, DGMZ15, LV13, RC11, SZ15, Sin11, Sin12a]. **Mechanics** [LSJ13, JZJ18, KV10a, OML11, ORCR17, PG017, RK11, RU12, STT11, SÛ18, ZF15]. **Mechanism** [GAGW16, BUJ15, BNAB11, CHDF10, CGV13, ÇÖSÛ11, HJHG14, YZZ+17]. **mechanisms** [CFFR15, GAGW16]. **Mechanistic** [ORS+14]. **media** [BJ11, CNS+18, EZBA16, FKS+19, HZW+19, HSF+15, JA17, MPM14, MAIVA14, OP12, RNdB19, SVGS18, SGLL17, Ser10, TMD11, Ziô14, vMB14]. **mediated** [HLS12]. **medium** [IB11, PP13, SM14]. **Meep** [ORI+10]. **MEKS** [GLS+13]. **melting** [YK18]. **melts** [Krô19]. **membrane** [CZN14, FPY+17]. **membranes** [PDC14]. **memetic** [VHP+15]. **Memory** [MR14, BKS15,
memory-mapped [LL15]. MEMPSODE [VPP+12, VHP+15]. Mercedes
[HDM+12, SBPN15]. merge [PMMF15]. merging
[LTP16, VGM+15, XLI13]. MESA [GWM13]. MESAFace [GWM13].
Mesh [HS14a, ACMM19, AWK+16, BCI11, BKPT12, EGT+18, FXZ+14,
GX15, HCC14, ILZ+19, JG16, JFC12, JCL+18, KC14, KYKN15a, KYKN15b,
LJWK11, LH18, LWQ16, MC17, PZZL19, RBH15a, RBH15b, UBR10,
VL11, ZD15, CZF18]. mesh-free [JCL+18, McMI17]. meshes
[ASGLK10, AK15, FXZ+14, LA13, OCM+19, SP18b, YWX11]. meshing
[ZPH+15]. meshless [DG10b, MM12, QLN14, SW14c, SD10b, XLL15].
meson [BBC11, CWW15, YWW13]. mesoscale [HPN18, WSH+14].
Mesoscopic [SS11c, BLV+19, WJHW14]. message [TSTT13].
message-passing [TSTT13]. messages [BABC19]. meta [GSZ13].
meta-GGA [GSZ13]. Metadata [RSSH+10]. Metadyn [HS16].
metadynamics [BPML12, HS16]. METAGUI [BPML12, GLR17].
metaheuristic [CNMC10b]. metaheuristics [dASJC+19]. metal
[FSJ+16, HBF+17]. metallic [HKF+12, HLW16, LLHC11, ZHCR18, ZLLP17].
metals [BT17a, KOK17, PS16]. metamagnetic [dSFdFF13]. metamaterial
[LL19]. metamaterials [RHW+12]. Metamodelling [ZKS13]. metaphor
[DMH16]. metastability [FDWC12, HJHG14]. metastable
[BVC13, ES16, HL19a]. METAFOY [LHC+12]. METHES [RF16].
Method [BUJ15, EW16, GHBL18, LHI13, RNdB19, TGH+16, ZLL18,
AM14a, AM14b, ARYT17, AS11b, ADdM16b, ASS13, ABRD17, AG12a,
ACDdM19, AAJA14, BOPL17, BBL+13, BM13, BFI6, BBB+17a, BK11a,
BH14b, BH16, BW12b, BR14, HBT19, BT17b, BL18b, BS15, BH11, BMW14,
BCM+16, BMSN14, BPM16, BIT12, BHND16, BENK+17, CZ18a, CL15a,
CB13b, CKSM+19, CAN11, CSPAD10, CS10, CL10, CLJ12, CW13, CT15,
CW16, CS17, CSL+13, CKK+13, CB15d, CV12a, CV12b, Cor14, Coul13a,
Coul13b, CNS+14, DZ15, DEMM19, DT10, DG10b, DT11a, DM17, Den10,
DKSG16, DCU+19, DA16, DMC10, DCG13, DLBL16, DFM+15, Duf16,
DO14a, DO14b, EBCB+14, ELDS14, EKK14, EFK+19, FGGM11, FS17,
Fen12b, FK12, FNPMM10, FBN+13, FPY+17, Fu19a, FJ19, FKS+19, FN17,
GC12, G12L14, G1ML15, GBP13, GA15, GA10, GZZ19, GZG+19].
method [GCH+18, GYWH+10, GB17, GMHZ19, HE13, HV15, Ham11, HC16, HLLH16,
HMKP19, HSD17, HKvH16, HDZ14, HJGL18, HJGL19, HH+10, HWW12,
HL16, HM18, IH11, Ixa10, Ixa12, Ji10, Jan10, JK14, JX19, JHFA19,
JWCM17, JL18, rJMTY11, JOR+12, JGAL+13, JLW13, JCL+18, JPM12,
JK13, JU17, KMS14, KK13, KU10, Kap12a, Kap12b, KCN18, KKG+15,
KGFS18, KI10, KL17, KO14a, KL11, KN13, Koh15, KDM11, KA17, KV19,
KS12, KPS15, Kra10, KZ14, KH19, KMS16, KR14, KSW12, KOK17,
KSY17, LOL+18, LLHC11, LM19, LLOQ19, LX12, LM16, LLG17, LHJZ10,
LSCZ11, LCCC11, LHC+13, LST15, LLMW17, LCQF18, LJWK11, LHH+12b,
Lin13, LSK
+13, LTP
+17, Liu11, Liu13, LLZ
+17, LOK
+18, LJD
+19, LLX14a, 
MCW15, MD11a, MDHD18, MiH12, MIW
+12, MRL18, MST
+18, MSPD12, 
MRZ10, MH18, MBFB13, MK10, MNPF17, MMY
+19, MM10].

**method**

[MM12, MFG
+13, MSR
+17, MBGV15, MBFD12, NDSH18, NPM16, NSHY15, 
NZQL14, NCBI18, NS15, NAQ16, Nis11, NMS14, OYK
+14, OPO
+11, OPSR13, OP14, ORI
+10, OT11, PHAI18, PSBT12, PAS11, PS14, PDRG10, 
PR13, PBMA12, PEM19, PGD17, Pit12, PS11, PSP16, PB16, QMI10, 
QYM11, QA13a, QWZW18, QDZ
+13, Qia10, QwWL
+15, QLN14, Ram10, 
RVA14, RCGT16, Ras09, Ras17, Raw15, Raw16, RVDS16, RLS16, RDVS18, 
RMS
+12, RH17, RTA10, Sal16, San15, SW13a, Sch14a, SEW12, SEW14, 
SW14b, SSF
+17, SNB11, SCS12, SDS15, SD14, Ser10, SW14c, SMUT19, 
SD10b, SA16b, SA18b, Se16, SMdON14, SHL
+11, SBvD13, SS10b, SCG11, 
SDL
+16, SKSK13, SL14, SPSP18, SPP19, Sza13b, Sza13a, Sza16, TIS16, 
TD14, TISM17, TT14, TFBW14, TC11b, TKP15, TY10, Tia11, TT11, TW15].

**Method-** [Les16].

**Methods**

[EVB14, EBCBG17, PVK
+17, ARAB
+17, ACCB13, ABB13, ABCM14, AH13, 
ABH
+19, AD13m5, BCH11, BWWM19, BB15, BH17, Bla15, BBF
+10, BB10, CFMR10, CDBM16, CH19, CYSL12, CS10, Col14, CHZ18, DI11, DMP18, 
DN13, DF11a, DLW10, FLW10, FHTO17, FG13, FGR14, Fri14a, 
GBN17, GSKM14, GSKM15, GTK
+19, HVP
+19, JLA
+14, Jiw15b, KFS17, 
KKL
+18, LMRC15, LD10a, LV10, LWY11, LLP15, LW14b, LHF18, LY16, 
LAG
+17, LL12, MCP
+11, MCC110, MKS10, M111, DPH17, PMM15, 
PMMF15, RL10, RHH12, SZ15, SVV15, SEGP15, SW12a, SW13b, SO19, 
SC16b, SBH
+12, SS18, SAN18, SPP19, TBZ12, TE18, TVT
+16, TXZL15, 
WC10, WXL13, WWC
+16, WHY12, WY19, Wu10, WW10, WT15, XJS16, XHLM12, YZ16, YWYF09, YZZ11, YWX11, YJK11, Z15, ZTG13, ZTG14].

**metric** [WN10].

**Metropolis** [AIG16, GM14, MP11, PM14, ZDD
+13].

**MeV** [Pos18].

**MFIE** [ZDWY10].

**Mg** [HH11a].

**Mg-like** [HH11a].

**MH** [HFSK12].

**MHD** [Ras17, BT17b, FZD17, FXZ
+14, JFC12, LC15, ML17, PHT
+19, PE15, Ras09, VP14, WRB19, ZOZ13, ZNT15].

**MIC** [NBW16, RB18, BBS14].

**micro** [Bal19, BD10, HLS
+17].

**micro-currents** [HLS
+17].

**micro-manipulation** [BD10].

**micro-resonators** [Bal19].

**Microcanonical** [AMR15, FD13].

**microcavity** [VBMS17].

**microengineering** [MFG
+13].

**microfluidic** [JHH
+19].

**micrographs** [Nov17].

**microgrid** [CLH
+17].

**Micromagnetic**

[CF16, FCC15, EFK
+19, RJW
+19].

**micromagnetics** [TIM
+16].
LWL12, LFG14, LX14, LBP15, LLX14b, MHHL11, MD11a, MW19, MH11].

model [MEG12, MNC15, MSM+11, MFH+13, NCHN15, NF17, dRL11, dlRAPL11, Ots11, Pål12, PBE14, RTÅT15, REBS16, Szy+12, Szy+13, SGM11a, SGM11b, STA18, SAA+10, SFP11, SH18, SJ17, SMJ17, SBPN15, SK12, STY15, STY18, SA15a, SLK19, SYD17, SMUT19, SO19, SLR+11, Sin12b, SH12b, SVG10, SS10a, SQA+15, SCB17b, Sta10, Sta14, SW11, SV12, SSBS15, Sza13a, TL19, TU14, TIMM13, TW11, U16, VS19a, VLM11, WR16, WDL11, WSTP15, WWVB11, WCT11, XLCW14, XLL15, XYYX19, Yam16, YK10, YFAT17, ZZ15, ZXL16, ZZG+16, ZZD+16, ZZX+19, ZY19a, ZY19b, ZLM12, ZYL+15, ZCG17, ZKS+18, ZFR18, ZWC+19, dSdO12, dSFdFF13, dSLF13, dSVLP13, dSF18, vMB14, ABC+18, AB10, BCPS11, BCP13, DET12, DG16, HLM13, KPV16, MW19].

Model-Driven [Dan10a, Dan10b].

Modeling [CLW11, wH15, TJH17, AD11, BOPL17, Bar11b, BMNS14, BMZ+18, CSJ+17, CL11, CFFR15, Dan12, EZL+16, EDPZ19, EGG14, FZY17, Gai17, GGI+13, HV15, Hak16, Hak19, HDF+19, HCHW11, IP14, Jab19, JGC+11, KEH12, KPA13, KM10, KRBI5, KMJS16, KGNS10, Lan13, LV19, LZZL10, LHH+12b, LTL+12, MPS13, MN18, NGCI+12, OBPL19, OP12, PBF+16, PE17, Ram10, Ram12, RAV11, RTA10, SGNL17, SLC11, SN16, SHL+11, Sol11, SCG11, Sva12, TKP12, Uty14, VBS17, VCD16, WGVPL17, XHLM12, YOM+19, ZE11, ZE16].

Modelings [Hon18].

modelled [MRL19].

Modelling [AGB+15, CC16, HdM16, IBKK11, Ano10n, AMR+18, CdLLO19, 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, AlPSV15, ABH+18, AC15, AC16, AC18, BW16, BBC+13a, BR13, BHT19, BKM11, CECCS16, 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, NHS14, NP19, NAQ16, PdMML19, PS12, QA13b, RK11, RDN+17, SLZ16, SH16, SOPS12, Sus17b, TAFD19, TSTT13, TVZ+15, WG12, Wan16, Wei11b, XLX+15, YZ19, dlRAPL11, Mel19].

Modern [HdM16, BS14a, CDSG11, Ein16b, HBL+13, RK11].

modes [AM19, ALSW14, Bal19, CS17, HSK+12], modifications [RL10].

Modified [LYL+17, NIK+12a, ZLL18, BKN+17, DFIM+15, Duf16, FZY13, GSZ13, Jiw15b, KMS14, LM19, LQF18, MS15, Ras09, Ras17, SMJ17, SBvD13, XHLUF+18, ZY19a].

Modular [CFW17, Gni19, Sin11, Sin12a, DLGP10, FWS+17, KP16, KSH14, Kro16, TCK+15, Zag14].

modulated [TTG11].

modulation [Kap16, OCL+13], module [DF11b, DGST17, GST12, LMK13, SK12], modules [AAB+10a].

modules [Bog16].

MOLDY [ADD+11].

Molecular [AS16, DLGP10, Fil14, FFHI11, GM11, HLZ+13, LS17a, MTS11, MKB+11, Ngu17, NLB+19, SBPN15, SYE+18, TD17, ZS13, Zhe15, ADD+11, Bar11a, Bar12a, BBH11b, BBB+19, BPM12, BKS15, Bin13, BG13a, BG14a,
molecular [Rap11, Rei11, Rei12, RKGC+17, SMOB19, SMO16b, SCM14, SCM13, SA14, TM19, VB17+10, VK14, WJCZ18, WZHE18, WSI13, YK12, ZBG+16, ZPH+15, ZZHG18, dBCH14].


moment [HKPF19, KKG+15, LLX14a, MMA15]. moment-independent [LLX14a]. momenta [AC16]. moments [DBP19, MSR+17, MK19, Rei12, SVGS18].

monolayer [OCL+13]. monopolar [ZBWY10]. monosized [AYDY11]. monotonic [SC15]. monotonically [HRC11]. Monte [AIG16, CK19, HKZN17, HKZN19, JPSS10, KLO+19, MBRV+13, NSXZ14, OPO+11, OPSR13, TDL+14, Urb18, WLZN17, ZT14, ZDD+13, AFIS12, ASL1K10, AK15, ABB+14, ASPDL+16, Ano10a, AK13a, AK13b, AMJ18, BKV16, Bar11a, Bar12a, BD16, BVP10, BG11, BMW14, BG13b, BLG14, Bon15, Bon16, BJ+19, BMDP19, BENK+17, CXG+19, CL11, CZGC19, CL15b, CKS10, CNS+14, CI11, DSHS17, DGPW11, DEMM19, DPK+15, Dem11, DDKM15, DKT14, EBD17, ES11, FGGM11, FLE19, FW11, FDWC12, GTPS19, GA15, Gin0, GSB+14, GWF+11, GB17, HBE10, HMR14, HP11, HWM+15, Hua17, JIM03, JLA+14, JA17, KOT12, KMO19, KEH12, Kan14, KR13, KC14, KKK+17, KNS+17, KV19, KSW15, KPVD1H13, LS14, LS15a, LS15b, LLE+18, LWL11, Lut15, MP11, MRZ10, MEM+11, MW14, MHR+13, MYM+19, NPAD11]. Monte [NHD16, NDSH18, NBCL18, NM14, OPR14, PSL+19, PEM19, PM14, RF16, Ram19, RMS+12, RV10, RV11, RB18, SI11, SGNL17, SFP11, SL16, SHT18, SM17, SM19, SD14, SKFP16, SLZ16, SSF+14, SKM15, SKSK13, TZG12, TVZ+15, Tic10, Tic14, TKP12, TMS19, TU14, Trö11, UKKB19, UA17,
VK14, WRFS15, WDL11, WSTP15, WBS+18, WvSL13, WT12, WWVB11, XGH+19, YWOD19, ZBG+16, ZLM12, ZTG13, dSF18, dHGCS11.
Monte-Carlo [DPK+15, LS15a, NCLO18, PEMS19, SM19, UKKB19].
MonteCUBES [BFM10]. MonteGrappa [TVZ+15]. monteswitch [UA17].
MoRiBS [ZBG+16]. MoRiBS-PIMC [ZBG+16]. morphing [ZF15].
Morphological [MS11]. morphologies [Bar11b]. morphology [PR10].
MOSFET [SO19]. Moshinsky [XMLC16]. most [BS14a]. Mosyagin [Ma´z19].
motile [HPKF15]. Motion [KB15a, BMG+15, HH11a, MF17, SBPD19]. MotionD [MG10b, Mii11b, Mii14b].
MotionD-library [MG10b, Mii11b, Mii14b]. motors [SKM15]. moves [AMJ18, RV10]. Moving
[YJK11, AKKK16, GZZ19, JvOK17, KS16a, LP15, NHSY15].
moving-grid [DCU+19]. MP2 [KK14a]. MPBEC [VPM16].
MPI [ARYT17, ART17, BW12a, BCM+16, BTC+17, DRUE12, EZBA16, HIN11, LYSS+16, OLG+16, OKM12, SSB+16, SCJH19, TKP15, TK19, WAW14, YHL11].
MPI/GPU [EZBA16]. MPI/GPU-code [EZBA16].
MPI/SIM [Bog16]. MPS [HIN15]. MPPhys [Mii14c]. MPS
[SIMGCP14, NHS14, SIMGCP13]. mr [KV16]. MRT [vdS10].
ms [DE5+11]. ms2 [GR+14, RK+17]. MSSM
[CRC+13, DNP13, FEH11, FHH+14, HP17, HLM13, HEF12, KZ11, LCE+13, PS12, RCD+10, ROS15, SV12]. MsSpec [SNG+11]. MsSpec-1.0
[SNG+11]. MSTor [MCT12, ZMPT13]. MT [HH+14]. MuFA [RJW+19].
muffin [LBP12]. muffin-tin [LBP12]. Multi
[BFPP12, BBS14, BVP10, BMW14, CZS10, ELDS14, FBN+13, HDZ14, IBP+15, KO13, Kom15b, KSW15, Liu14, MKR+12, MRS15, OP12, PP13, RJW+19, SW14b, SM19, SCM+18, TPC16, Ume19, UBRT10, YKK+19, ZST11, ZMVe+13, ASS13, AZM14, BBU11, BBUY13, BBB+17a, BT17a, BT17b, BAR12b, BCH13, BHJ+15, BHJ+18, BVH15, CWJ19, Cap13, CC15, CL15b, DBP+18, DKG+14, DE13, DCVB+13, DGS+19, DO14a, Er14, FSI+16, FHI17, FB19, DRI+16, GBC+18, HES+17, HZW+19, HWT10, Ike18, JK14, JXRT16, KPA13, KO12, KO14b, Kom15a, Kom15c, KO16, LLQX19, LS12a, LH112, LQ18, LY16, LBP15, LMK13, Mey18, MBA15, NNWS+15, NH16, NB17, NAQ16, Pål12, PR14, PC11, QSC14, QZWU19, QwWL+15, RZ19, Sch14a, SV13, SGW17, SLR+11, SC16b, TRM+12, TD14, TK19, TDL+14, Vuk12, WSH+12, WAW14, xS14, YZWR14, Yi11].
multi-beam [FB19]. multi-bunch [FB19]. multi-center [BAR12b].
Multi-Channel [KSW15, LLQX19]. multi-cluster
[KO12, KO13, KO14b, Kom15a, Kom15b, Kom15c, KO16].
multi-component [HES+17]. multi-configuration [QZWU19]. Multi-core
[FBN+13, HWT10, LH511, TRM+12, TDL+14]. Multi-core-CPU
multi-CPU [FOB+15]. multi-degree-of-freedom [Er14].

Multi-dimensional
[MRK+12, ASS13, BT17a, Cap13, CC15, DO14a, NAQ16, TD14].
multi-directional [TKJ19]. multi-disciplinary [WSH+12]. Multi-Domain
[BP+15]. Multi-electron [BMW14, SW14b]. multi-exponential [Ike18].
[SLR+11, sX14]. Multi-frequency [PP13, LY16, YZWR14]. MULTI-fs
[ReTVH12]. multi-gluon [BBU11, BvH15]. Multi-GPU
[BFPP12, BP10, OP12, TPC16, DCB+13, JK14, JXTS16, LBP15, NHD16,
WAW14, FOB+15, WFZG19]. Multi-GPU-based [KO13, Kom15b].
multi-GPUs [SV13]. multi-instance [NB17]. multi-Intel [BBS14].
multi-jet [BBUY13]. Multi-Kepler [BBS14]. multi-layered [CL15b].
multi-level [HZW+19, IBP+15]. multi-loop [BCH13, Mey18, dDYK+18].
multi-moment [MMA15]. multi-objective [AZM14]. multi-orbital
[QwWL+15, SGW17]. multi-particle [BBB+17a, LQ18, PR14].

Multi-phase
[MRS+15, BT17b, FHA17, ZAFAM16]. Multi-physics
[ZMvE+13, DRI+16]. multi-particles [FSJ+16]. multi-purpose
[DBP+18]. multi-reference [DKG+14]. Multi-resolution [SCM+18].
multi-scale [UBRT10, BHJ+15, BHJ+18, Sch14a]. multi-socket [TRM+12].
multi-soliton [Pål12]. multi-species [DGS+19, NNWS15]. multi-spin
[BVP10]. Multi-step [Ume19]. multi-strategies [FSJ+16].
multi-structural [ZMPT13]. Multi-symplectic
[CZS10, HDZ14, ZST11, CWJ19, LS12a, QSC14]. Multi-type
[RIW+19]. multi-user [GBC+18]. multi-zone [Yi11]. multiband
[Bot12, HHC16]. multiblock [HdM16]. multibubble [WS13]. Multicanonical
[KI11, BB13a, FLE19, GZWJ18, SI11, ZMJ13]. multiclass [HOFP15].
multichannel [GMRRHRCME13, HBP14, NFI17]. multicomponent
[YSLY19]. Multiconfiguration [BSG10]. multicore
[AEK018, HnM16, HWCDM19, Ly15, MP14, TH17, YHL11].
multicore/vectorisation [TH17]. Multidimensional
[CHA11, En11, FKS+19, LW14b, WW10, ZF15, ZLM12, Asc10, AM17,
GMHZ19, KBSP12, QSB19]. multidomain [DT11a]. multifluid [RC15].
multiframe [SGDS16]. Multigrid
[ABF19, FZR19, BKOZ16, Bot13, FN17, HV+19, TE18, TK19].
multilayered [LPRPR17]. multilevel [MCWJ15, OL12, ZHGH18].
multilevel-skin [ZHZG18]. multiloop [SST11, Sm14]. multimode [Brá15].
Multiparticle [HPN18, WSH+14]. Multiphase
[ZLM11, HSF+15, LOK+18, MP14, NHSY15, TSK+17, YK19].
multiphoton [TC11b]. multiphysics [ZLFM11]. Multiplatform [GHK19].
Multiple [ELL+17a, Jab17, XNK+16, ATA+19, AKR15, BAF18, EBCB+14,
GLAC13, GM18, HLZ+13, JA17, JPH+14, Kap12b, Kau19, Kt18b, LWES18,
STK10, SNG+11, SCM14, TKS10, TACA15, VK14, Wai12, WM11,
WXW13, WJHW14, WWM14, YL12, BBV10, CYN19]. multiple-histogram
necessary [BSWC14]. neighbor
[ABRS12, HAN+16, KHN19, LYJY10, ZZHG18]. Neighbour
[MRZ10, WRR18]. Nektar [CMC+15]. neoclassical
[BSM13, HSK+12, MS14, SISW10]. Nernst [Fuh15]. Nested
[BBV+16, BH11, SEGP15]. Network [VKLM11, VLM11, DLW+18, HH11b,
LYJH19, ORCR17, YKK+19, dSLF13, ZHL11]. networks
[BHVMH15, CHDF10, CB15c, CMdB11, CF17, CLF18, HLS12, HZC19,
IBKK11, Kra10, MCNRC16, PHA18, QHC+10, SOYHD19]. Neumann
[RC16, Jiw15b, RC13, RTA10, SP16, SN16]. Neural
[ORCR17, ZHL11, dCD19, HZC19, LYJH19]. neural-network [LYJH19].
Neutral [BRL12, AGB+15, BBH+11a, Lit13, PE15, Tic14]. neutral-particle
[Tic14]. Neutrino [BFM10, AKH12, BPMM14, BNAB11, KHBS19].
neutrino-driving [BNAB11]. neutrinos [WW15]. Neutron
[Car16, BNV18, CXG+19, ECSH16, KB15b, LS12b, RLS16, SEW12, SEW14,
VPM12, WJCH13, ZTG13, ZTG14]. Neutron_Cr [MSNI11]. Neutron_Cr-39
[MSNI11]. neutrons [MSNI11]. new 
next-generation [PLF+17]. Next-to-Minimal
[AAT+20, AAT+14, AC17, AMRdA17, GLPQ11, PLF+17, DET12].
nodes [Sch14b, YKK+19]. noise
[BCS10, BDBV12, CC10a, Er14, HH11b, KS16b, MW12, VSG18]. noises
[iT11]. noisy [QHC+10]. no loco [NPAD11]. NOMAD [GHK19]. Non
[FW11, GTK+19a, Gor19, Jal10, VDA+19, WL11b, AAD13, ABF19, ABH+18,
AMJ18, BL19, BHNS17, BL14, BDP16, BW12b, Bla15, BCT17, BH13,
BPS+16, BMG+15, CLW11, CDY19, DBJ11, DJ11, EW16, FR15, HWS16,
HM17, HWH+15, LL19c, JBMK15, JU17, KKSY18, KS15, LMR15,
LA13, LS15b, LFG14, NCBI8, OI1K17, PHT+19, PLF+17, PBF+16,
PBD+15, SK15, SCL16, SCNJ18, SC15, SS11b, SLE17, TDL+14, UNK12,
USOA13, Wit14, YQM12, YQM14, ZDWM17, XZ+19, dSFdFF13, dSVL13].
non-adiabatic [HM17]. non-aligned [HWS16]. non-autonomous

Neumann [RC16, Jiw15b, RC13, RTA10, SP16, SN16]. Neural
[ORCR17, ZHL11, dCD19, HZC19, LYJH19]. neural-network [LYJH19].
Neutral [BRL12, AGB+15, BBH+11a, Lit13, PE15, Tic14]. neutral-particle
[Tic14]. Neutrino [BFM10, AKH12, BPMM14, BNAB11, KHBS19].
neutrino-driving [BNAB11]. neutrinos [WW15]. Neutron
[Car16, BNV18, CXG+19, ECSH16, KB15b, LS12b, RLS16, SEW12, SEW14,
VPM12, WJCH13, ZTG13, ZTG14]. Neutron_Cr [MSNI11]. Neutron_Cr-39
[MSNI11]. neutrons [MSNI11]. new
next-generation [PLF+17]. Next-to-Minimal
[AAT+20, AAT+14, AC17, AMRdA17, GLPQ11, PLF+17, DET12].
[BPS+16, JBMK15, PLF+17, PBD+15, SC15, ZXZ+19, dSFdFF13]. non-Hermitian [BW12b]. non-homogeneous [SCNJ18].
non-ideal [TDL+14]. non-inertial [SS11b]. non-intrusive [HHM+15].
non-isothermal [PBF+16]. Non-linear
[Gor19, VDA+19, FR15, PHT+19, SLEF17]. Non-local [GTK+19a, AMJ18].
non-Markovian [dSVLP13]. non-minimal [KKSY18].
non-Newtonian [BHNS17, NCB18]. non-orthogonal [USOA13].
non-oscillatory [AAD13, DJ11, UNK12]. non-overlapping [JU17].
Non-perturbative [KL11]. Non-polynomial [Jal10].
non-reversal [FW11]. non-spherical [BMG+15]. non-staggered [DJ11, SCLW16].
n-SUSY [ABH+18]. non-transferred [CLW11]. non-uniform
[BDP16, KS15, LA13, LFG14, Wit14, YQM12, YQM14].
nonadiabatic [SOM+13]. noncentral [GST15]. nonclassical [Shi16].
nonequilibrium [KH10, MDF11]. Nonextensive [Fri14a].
norm-conserving [GVPJ18, vSGB+18].
norm-conserving [GVPJ18, vSGB+18].
normal [AG12a, BCJW13, BMF+19]. normalization [MZE13].
Normalized [XHLUF+18]. NORSE [SLEF17]. Not-a-Knot [SD10b]. note
[SW13b]. Novel
[Wei12, dSFdFF13, Ano20, EKK14, FS17, KK16a, KDM17, LDR+17, MSPD12, MPM14, RTA10, Ser10, WAW14, WZS+18, ZDYW10, ZSW+17b].
NPB [Yi11]. NPS [EBDM17]. NRMC [SGNL17]. NSBC [Bab14].
Nt_STM [MAC12]. NTPoly [DN18]. Ntuples [BDC+14]. Nuclear
[DBP19, VCM+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, RRSCC10].
nucleation [JJB11, RDP14]. nuclei [Bab14, DT11b, DML+16, GC10, GC13, GC16, GCK19, LMAB16, NPVR14, PUO14, WSI13].
nucleon [AHK+12, GBD10]. nucleus [GC18, KMO19, WR16]. nuCraft [WW15]. nudged [QDZ+13].
NUFFT [Giu19]. null [HLW16]. null-space [HLW16]. nullity [YE14a].
number [ASPW13, BS11, BS13a, BS14a, BCJW13, CBGY17, CBYG18, Dem11, FP14, GP13, GBS16b, Kau18, LS15a, LNP+17, Mis13, Sav15, SS13a, Sib17, SC+18, TC11a]. numbering [BBC+13a]. numbers [BS13a, BCJW13, Nog17a, Nos17b, OU15b, YB13, ZOZ13, ZNT15].

**Numeric**

[ABRS19, ASEA14, ACCB13, ALSW14, AD11, ACM12, 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, JLM18, JPM12, JK13, JHL+15, KFS17, KM10, Kri12, LMRC15, LD10b, LSF14, LS+SZ14, MT13, MIW+13, MFS+10a, MC12, MM10, PKT15, PBF16, QwWL+15, RC15, RAV11, RJ12, RGRK17, SW12b, TGUV19, VBMS17, WIE13, XJS16, XYM+13, YDH+12, ZFH14, ZDWB10, Z19b, ZW15, dH12, AS11b, AB10, AGH+16, ACMM10, ACML11, AAT17, BK16a, BSK+18, BCM+16, BDGG19, BHJ+18, CLHL19, CL10, CL16, CW12a, CW12b, CFFR15, DMP18, DCC+10, DCM+12, Dat13, DS13a, DBD+17, DN13, DM17, Den10, EZL+16, EVB14, FSC13, Fuh15, GHVD11]. numerical [GV15, GA10, GRI11, GSKM15, GM14, GMHZ19, HAV+14, HVRM10, HCSW10, Ixa10, JK10, JTN+11, JWL13, JZ+19, Jiw12, Jiw15a, Ker17, KZ11, KL17, KKL+18, KAS12, KBSP19, KST+14b, KP14, L14, LK12, LXY+17, LHH+12a, MD11a, Mar15, MW19, MN16, MA11, ML16, NGCI+12, PAS11, PMMW15, PVK+18, PQTG17, PO14, Pit10, PE15, PDJ10, PB16, RM10a, RM10b, RLS16, Sal12, SKB10, SLY18, SL17, SH18, SW14c, SS11a, SD10b, SS13b, SK14, SST11, Sni14, SAS11, SPS18, SCG11, TCR13, TZM17, TFWB14, TL19, TO10b, VLD+12, WX11, Wu10, WL11b, XLL15, YZ16, YYF09, YXD+15, YXT+15, Z19a, Z16, dYDK+18, vMB14]. numerically [BMBC+17, DGSt17]. numerics [TK14a]. NumExp [HL13]. NuSol [GG16]. NVIDIA [GNP19, Lya15, MR14]. NVM [MN13]. NWChem [LSK+14, VBG+10]. nX [BFD+11]. NXSG4 [KB15b]. Nystrom [FG13, KMS14, KAS12, WW10, ZW14]. Nystrom-tree [YZ14].


**objects**

Operating [SC14]. operational [dHV12]. operations [CB18].
operator [ABB+16, ABF19, BK11a, BW12b, BBF+10, BF10, DGS+19, Eks11, GT414, JHL+15, KAK12, MWI+19, NNWS15, PB16, Ram10, Sch14a, STY15, STY18, Zit11]. operators [Brå15, LYL+17, SD10a, Vit19].

optic [FNPMB10]. Optical [AWK+16, Ost10, PGMU19, AM14b, APRG11, AKV18, BF16, Bal19, BD10, BG11, BGL+14, BMG+15, CM15, CCL15, CS17, CCW10, CSL+13, DSS+12, FE11, GGG16, HCRD14, HWCH11, HHT14, LCCC11, MNPY14, NJS17, OCL+13, PM14, SSM+17, VEB+18, VCD16, WX11, WQ18, ZHCR18, ZYL+19].

Optics [NSH+19, Dem13, KAH18, SW12]. Optimal [FBHB17, KKCC19, MLEM19, CNMC10b, DJ14, FSF11, FJ19, Hoh14a, Ike18, MFS+10a, PSBT12, PGMU19, RC18, SH18, SJHS19, XLL15].

optimality [KL14]. optimisation [EGT+18, HDM16, dCD19].
optimisations [HKZN19, HWCD19]. Optimised [IZRT15, RWKS15, Wei12, BCT18].
Optimising [Rei10]. Optimization [BS14b, DF14, DCGG13, FGR14, MCY+16, SG15, AT19, ACD13, AZM14, BS15a, BR11, BPS+16, CM10b, CLH+17, CJJ+17, CGX+19, DBJ17, FJ+16, DRI+16, GWF+16, GD14, Has11, HWL+17, HJL+14, HVMR10, HKVR10, JKG+18, KPA13, KPK11, KHR14, Kra11, KH19, KUV15, KL14, LM19, LHL16, LCR10, MR14, MBGV15, PCVZ11, QW1L+15, RMS+12, RLL12, SHW18, SWL+15, SZM+14, SKH+10, TTT16, VvAV+11a, VPP+12, VHP+15, Wie18, WLZ17, XLCW14, YZI+17, YLYL17, ZBMM11, ZPV16, Zlo14, dASJC+19, vW1S14, PE17].


OBS [MBB+19]. orbifolder [NRSVW12]. orbifolds [NRSVW12]. Orbit [BDBV12, CL14, CFF19, HSK+12, Nii11, PCGM14, RE12, WX14, WLGY18, XGH+19, MPS13]. Orbit-based [BDBV12].

orbit-following [HSK+12, XGH+19]. orbital [BHT19, CM15, CF1X+15, Cor14, FGR14, HHS+10, KT12, KST14a, KAS12, MWS+16, PS14, PVK+18, QWL+15, SG17, SGS19, SMGK19].

orbital-based [BHT19]. orbital-free [CXL+15, HHS+10, KT12, KST14a, MWS+16]. orbitals [BCC+18, Ert15, KTB17, KCA+15, KBS19].

orbits [BRB12, BDT15, KRK16]. orchestration [CCDC+11]. order [AAD13, AAD14, ABD15, AGH+16, AH13, ADm12a, ADm14, ACDD15, ADm15, ACDD19, BBL+13, BKV16, BL19, BK16a, BCT17, BVC13, BIT12, CFM10, C1813, CD15, Cha16, CD12, CR12, DBMR18, DJ11, DZ13, DmMN16, EGT+18, FG13, Fu19b, GLPQ11, GGGH14, GJ14,
GA10, GPS⁺¹³, HSF⁺¹⁹, HZ11, KVV19, KMS14, KO14a, KBB⁺¹⁷, Koh15, Kol14, LX12, LV15, LWZ14, LST15, LLXK16, LsSZ14, LW14b, LWJV18, MC16, MF17, Ma⁺¹⁹, 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, Nut14, ORI⁺¹⁰, Pat15, Pat17, PCEH15, Pre18, QZWU19, RRSCSJ10, Ros16, SFV19, SMOB19, SS12, SL17, SH18, SNG⁺¹¹, Sem16, SM14, SQ5⁺¹⁶, SLW19a, SLW19b, SSH16, Sit14a, Sit14b, Sit16, SAHP15, SLR16, SS18, SU18, TS10, UA17].

order
[XYK12, Zag14, ZD15, ZFH14, ZY19a, ZNT15, ZBN⁺¹⁹, vH10, DBLF16].

ordering [ZHSL13].

ordinary [NO12, ADdM12a, ACdM15, ADdM15, ACdM19, FBHB17, MZE13, RBB15, WT15].

ordinate [ELDS14].

organic [HGCARM15].

Organization [SA15a].

Organized [CGSB18].

orientation [SJY18, SJY20].

orientational [WDR16].

Oriented [CF16, FCC15, Asl14, BC19, CB15a, CB17, CB18, CDMCN11, CJ12, CXG19, CFFR15, DM12, HHP⁺¹⁶, KMJS16, OKM12, SL16, WLG⁺¹³, WP10a, Zag14].

Orthogonal [Ser17, BDJS18, ST19, USOA13].

orthogonalization [BC10].

ORTHOPOLY [BDJS18].

oscillating [PAS11, PS14, SPTPR19, TDDH14].

oscillations [CCL15, Dan11, KHBS19, TW11].

oscillator [GKM10, GSMK17, GYW⁺¹⁰, MBGK11, MGK13, MAM14, PSL⁺¹⁷, SDM⁺¹², SDS⁺¹⁷, SMGK14, SSK⁺¹³].

oscillatory [AAD13, CYSL12, DJ11, FLW10, FGR14, LWYW11, LW14b, UNK12, WYSW10, WW10, YZWR14].

output [Car10a, Car10b, CMSV14, FCC15, GWM13, RJW⁺¹⁹, SAA⁺¹⁰, SZM⁺¹⁴, SMCB⁺¹⁵, Sta13, DDF⁺¹²].

over-relaxation [BSM13, BPP11].

over-specified [MD10b].

overdamped [LDW13].

Overlap [DPHB17, BBF⁺¹⁰, CL16, PB16, RVDS16, RDVS18].

Overlapping [KP12b, BBH⁺¹⁰, BBH⁺¹⁵, JU17, LTP⁺¹⁷, OOK⁺¹²].

overset [Cha19].

OWL [DT18].

oxide [BCP⁺¹⁶, NGCI⁺¹², Sol11].

oxygen [NS11b].

P [DSM⁺¹¹, SKB10, AM14b, CRA10, VHP⁺¹⁵].

p-MEMPSODE [VHP⁺¹⁵].

p53 [HH11b].

PACIAE [SZY⁺¹², SZY⁺¹³, YZCS18, ZYL⁺¹⁵].

Package [EFG⁺¹⁰, ADD⁺¹¹, AKZ⁺¹³, ASPDL⁺¹⁶, AG14, ADdM⁺¹²b, ADdM14, AC18, Aza13, BU11, BGM⁺¹⁴, BK13b, BB13a, BSGG10, BHH⁺¹⁰, BHW⁺¹², BBH⁺¹⁵, CDdM14, CFSK14, CKK⁺¹⁹, CMS17, Dep17, Des16, DSS⁺¹², DF11b, Eks11, FTI18, FRW17, FF11, FEH11, GLZ17, GLHR19, GST15, GdGB⁺¹⁸, GMO19, GLMG12, GJA⁺¹⁶, HBL⁺¹³, HEF12, HII11, HR11, HHH⁺¹⁴, HLZ⁺¹³, HM10, HM17, IIO16, Jac19, JGB⁺¹³, KPK⁺¹⁷, KST⁺¹⁴b, KST15, LR18a, LR18b, LM16, LHY19, LRR⁺¹⁵, LHGF18, LL15, LSK⁺¹⁴, MB12, MWCY14, MZE13, MNL19, Müil14c, Naz12, NS10, NS11a, NSXZ14, Nut14, ORI⁺¹⁰, Pat15, Pat17, PCEH15, Pre18, QZWU19, RRSCSJ10, Ros16, SFV19, SMOB19, SS12, SL17, SH18, SNG⁺¹¹, Sem16, SM14, SQ5⁺¹⁶, SLW19a, SLW19b, SSH16, Sit14a, Sit14b, Sit16, SAHP15, SLR16, SS18, SU18, TS10, UA17].

package
[Var16, VS19b, VJC12, WW14, WL11a, WCL14, WZHE18, Wie15, WZS+18, XNK+16, YE14a, YE14b, ZZ5, Zit11, vH10, BH14a, FGJB19, Pat15, Pat17, Sht17]. **Package-X** [Pat15, Pat17, Sht17]. **packages** [BKK13, BKM14, BK15, BK16b, Hol19, THJ+10]. **packet** [AV13, DHR14]. **packing** [CBAM12]. **Padé** [IH11, SB11, SAS11]. **page** [Gor19]. **pair** [AV13, DHR14]. **pair-instability** [CHA11]. **pair-potential** [FPY+17]. **Pairing** [WRB11, GLX+14]. **pairs** [HL19b, MWCY14]. **palladium** [SQL+10]. **Palmeras** [DLGP10]. **paper** [BLV+19]. **Para** [GX15, ZKG+18]. **Para-AMR** [GX15, ZKG+18]. **parabolic** [AAD13, BB10, GN14, HC16, HC17, NO14, OAKS11, PR13, RS12, TKZ18]. **Paradeisos** [JWM+18]. **paradigm** [CKhN11]. **Parallel** [APC+14, Bab14, BC11, CLH+17, CL15b, CRA10, EDPZ19, EKDG15, FFT+14, FB19, GGI+13, GSKM17, GCH+18, HL19a, HvAS+13, HCSW10, JKIS16, KPPC13, LB14+14, LKL11, LT15, Mau16, NCHN15, NFD+19, NZQ14, PIH11, QLE16, RRCSCJ10, RNdB19, RD10, SD15, SO19, TSK+17, TSTT13, TMS19, US16, VHP+15, WC10, WYH19, YSLY19, YR13, ZPH+15, ZHC16, ART17, AL17, BM+11b, BS13a, BS14a, BPB+17, BHS18, BJCW13, Boe14, BCM+16, BSVG19, BHD16, BENK+17, CCL18, CHNS18, CPR12, CUL+17, CSK+15, DBDP12, DN18, DJW+19, DSS+12, DRUE12, ER19, FAN19, FZY17, FKS+19, GS15, Gai17, GP13, GWF+16, GS17b, GS17a, GD14, GB14, GZVJ18, GX15, GRLS18, HAV+14, HFOPF15, HMR+19, HZW+19, HPN18, HBB+17, HCHW11, ILZ+19, JEF14, JL19, JHL+15, KVV19, KBHS19, KOG17, KHZ+18, KD17, KBB+17]. **parallel** [LAA+10, LS+12, LH+12b, LHH+12a, LS12b, LHZ11, LWC14, LW16, MDW16, MW+13, MM17, MCA17, MSI+10, MGB18, MGR16, NOR15, NFA+16, NPA11, Nug17, NM14, NFS15, OCF10, ORS+14, PDC14, PG017, QL10, Qia17, RJL16, RK19, RFSF18, RBB15, SL16, SSF+17, Sch18, SDS15, Shai3a, SOM+13, SC16b, SOJ14, Ste17, SMGK14, Str15, SPSP18, Sus17b, SSM+17, TTT16, VKP14, WMM11, WEH+19, WAHL13, WSH+12, WC15, WRVdL15, YHL+11, YLO+17, YLL12, YBN13, Zag14, ZAFAM16, ZSW+17b, ZMJ13, ZBN+19]. **parallel-adaptive** [GX15]. **Parallelisation** [MFH+13, Roh16, S+12]. **Parallelised** [FKH15]. **parallelism** [BS14a, BKS15, MDCG+12, TGH+16]. **parallelizable** [Smi14]. **Parallelization** [HBE10, MIH12, ASPW13, BW12a, CWY+17, DKG+14, DO14a, GLAC13, Gnu19, JFC12, KEH12, KSY17, LKM+16, LW14a, ML17, OLG+16, PMS+15, RG10, SBC+17a, SS18, THDS16, TE18]. **Parallelizable** [SST11]. **parallelized** [GJB11, HHS+10, OKM12, TK1+12]. **Parallelizing** [TD11]. **Parameter** [DMP18, Mau16, dASJC+19, Ber16a, Ber16b, BHVM15, BM10, Che17, GCA14b, JW13, LAS+17, LHL11, Mel19, MKR+12, MD10b, PM13, PIH11, Yam16]. **parameter-free** [PIH11]. **parameterization** [AANJ12, KHKR14]. **parameterized** [KL14]. **parameters** [ÇOSU+11, DBP19, HM12c, KKCC19, KP16, MDPTTC17, MPS13, OO15b, PG10, RKVL14, SZM+14, WDR16]. **Parametric**
petabyte

Petaflop

Petafolding

Petaviashvili

Pfaffian

Pfaffians

PETOOL

Petroevich

PHAST

PHIGS

PHOTONS

PHOTOVOLTAIC

PHOTOS

PHYSICS

PHYSICS-ORIENTED

PI

PIC

PIC/MC

PIC/PANTHER

Picture
predictor-corrector [PAS11, PS14, SD10b, SA15b, TYH+15, Yua19].

type predictors [AdfM17].

Preface [HS11, Hsu11a]. preferences [DMC+15].

pregnancy [ZBMM11].

preparation [Rut18]. prescription [Deu16]. presence [BT17b, DCC+10, JPK+12, Nis11, RS12, SD14]. Present [Pat12, GFJ+14, TIMM13]. preservation [MD11a]. preserving [BIT12, CWJ19, CM14a, CEF16, MF17, MN18, Miy15, Sal16, San15, SP18b, WXL13, WM13, YZ16, dTOV18, NO14].

PRESHOWER [HEPW13].


primal [VvAV+11b]. primal-dual [VvAV+11b].

primary [Ray10]. principal [MLGVE14, WLM14].

Principals [NFI17]. principle [CS17, Deg15, Eys14, HM18, SQL+10].

principles [CSL+13, EY11, ELL+17a, FWZ+12, GPS+13, JEC+12, LZL11, LS17a, PBMAD12, SWL11, ZZ17a, ZFZ19].


Processing [Boei18, Dem11, Mau16, MSML10, YLO13, Ano19m, BKi11a, BHS18, BJCW13, CDS13a, CMSN18, CSSB15, Col14, DBDP12, DS11a, DF13, FISH13, FUSH14, FCWH17, FVH18, Fil14, Fri14b, FWS+17, FZY13, HAN+16, LAA+10, LAS+17, MED11, MEM+11, NPAG11, PVH+17, PLD+13, RFSF18, SPTPR19, SLW19b, SH12b, SSM+17, TD11, Tic10, WDL11, WWFT11, Zho13].

[BBUY13, BKMP16, BG14b, CWW10, CWW15, Cip13, DDKM15, GLPQ11, Gin10, HLM13, KMO19, KKK+15, Les16, OK12, OK18, WW13, YWW13].

**PROFESS** [CXH+15, HHS+10, KST14a]. **profile**

[ABB+19, Gio14a, VSG17]. **profiles** [AANAJ12, MSNI11, Wai12]. **profiling**

[CCY18].

**Program** [BS11, BS13a, BB13a, CGV13, DHR14, GBS16b, LSDD14, NS10, VPM16, AC13, AM10, AM11, Arb12, AMR19, As10, AZ17a, AKV18, BGM+14, BF16, BBPS14, BH14b, BFD+11, Bog16, CKLM10, CDTV10, CH11a, CATK11, CXH+15, Cip11, Cip13, CCGC13, CRNK12, CM14b, CO11, Dan11, Dat13, DEMM19, DDKM15, Dev12, DKG+14, EJG+19, FMRP16, Fer15, FCCFR18, Fis11, FEH11, Fri12, Gao13a, GLS+13, GCVA14a, GCVA14b, GNT17, HSF+19, HLM13, HESF12, HHS+10, HL19c, JPSS10, Jia18, KKSX+18, KNS+17, Kob13, Kol14, KS12, Kra11, LHC+12, LZL11, MCV18, MU18, MCA17, MPS13, MLW+10, ME18, MNV13, MGB18, MBGK11, MSNI11, NGG+13, NGM+10, ON14, OKM12, dlRJL14, PCR17, PSL+17, Pit12, Pos18, RDP14, RFPM+17, SYZ+12, Sai10, Sar17b, SSG+10, SSG+18, SBB13, SDM+12, SDS+17]. **program**

[STY15, STY18, SZM+14, SS10a, SLLP17, SSK+13, TVZ+15, TS11, UW12, Ver16, XMLC16, YKK+19, YLTS16, ZF16, ZBG+16, ZKW+15, ZYX15, ZSW+17a, ZMCT12, ZZ17b, ZHL11, Zlo13, ZUT13, dB14].

**programmable** [Rap11]. **programme** [KB19, LTP+17]. **programming**

[BY17, EGT+18, GRTZ10, JTW+17, LSYZ12, iSYS12, TSTT13, VvAV+11b, VvAV+11a, WMK11, YHL11].

**Project** [GTK+19a, BBC+13b, DBK+14, GAC+17, LKPH19, LSJ13]. **projected** [BK12, Jan10, PR10, SKB10]. **Projecting** [BHS15, DHS14].

**Projection** [DAW+19, WX14, GHvdL11, Sal16]. **Projective** [CH19, LL12].

**projector** [CTK17, DA16, Hol19, THJ+10, YLO13, JTH14, RC16]. **prolact** [ALSW14, Kir10]. **ProMC** [CMSV14]. **proof** [BRB12, Deg15, SS18].

**proof-of-principle** [Deg15]. **propagating** [GTS14, MC10, Raw15].

**Propagation** [ACML11, APRG11, BF16, BRL12, BPM14, BG14b, DKS+16, EKDDG15, GB14, HEWP13, HKvH16, HHM+13, IB11, JCL10, KFS+13, LR13, LR16, MiH12, MA11, OAKS11, PQTSG17, TMD11, TKZ18, VDJ+11, Wai11, WGG16, Zs14]. **propagator** [DSS+19, MVN13]. **propagators** [EPS15, GM16]. **propelled** [AD11]. **Proper** [HJH17, ST19].

**properties** [AM14b, BKA+14, BIT12, CLC14, CHW+15, CSL+13, DSS+12, DES+11, EY11, Fri12, GWL+17, GM11, GRR+14, HCRD14, KAR+15, KMM+19, Kav11, KZ14, LFKD18, LSDD14, LSG+12, MLW+10, MF17, MFS10b, MGB18, PVK+14a, PVK+14b, PMVG16, PMGU19, RKGC+17, SPAW17, Ste17, TG11, Voy13, WXL13, WQ18, WWL11, ZZSW19, ZMJ13].

**property** [FLW10, ZZ17a]. **proportional** [KB15a]. **Proposal** [BBC+13a, Yam16, Ano10o, DSS+19, KFS+13]. **prostate** [RMS+12].

**Protein** [Fri17, CB16b, LWL11, SZC+13, YK10, DPK+15]. **Protein-like**
protein-surface [CB16b]. proteins [BHP+10, BHW+12, BBH+15, CS16, CZN14]. protobuf [BABC19].
ProtoMD [SMO16b]. proton [BSI3b, Gin10, KMO19, MSN11].
proton-proton [BSI3b, Gin10]. prototyping [SMO16b]. providing [Kaw19]. Ps [KH11].
PSDMP [Dem11, BCJW13, KZC+10, LV15, MDH18, SNB11, SVV19, TD14, UO15b].
PSDMP - pseudo-spectral [KZC+10, LV15, SNB11, SVV19, TD14]. PseudoDojo [vSBG+18].
pulsed [CHC+11, GC12, LJ5W11]. PULSEDYN [KS19]. pulses [BEKP19].
PumpKin [MLGVE14]. PUQ [HHM+15]. pure [CB13a, JCL+18, KAR+15, NS11b]. purpose [ASPD1+16, AABC+13, DBP+18, Fer15, GJ14, GNA+15, LPC+15, MSI+10, RFPM+17, iSM111, SS10a, TdAdSS11].
PyFR [WFV14]. PyGBe [CB16b]. pyGDM [Wie18]. pyIAST [SSH16].
PySCF-NAO [KBSP19]. pySecDec [BHJ+18, BHJ+19]. PYTHIA [KRW13, SAC+15, EGPS10].
Pythia8 [AAB+10b, War16]. Python [BMZ+18, CM14, CFSK14, CFV17, CSRV13, CKK+13, CBB14, Cri18,
DEMM19, DMC+15, GH18, GHN19, GdGB+18, HHP+16, JNN12, JNN13, KPK+17, KSH14, KBLJ18, LS17b, ML16, QZWU19, RKVL14, SV14, SSH16, Sta19, Var16, Wie18].
PyVCI [SC16a].
quadrature-based

quadratures

quadric

quadric-based

quadric-based

quadrilateral

quadrupole

quadtree

quadtree/octree

quality

quantification

quantitative

quantities

quantized

quantum

quantum-corrected

quantum-mechanical

quantum-transport

quantum-mechanical

quantum-mechanical

Quark

quarkonium

quarks

quartic

Quasi

quasi-bound

quasi-cylindrical

quasi-Degasperis

quasi-harmonic

quasi-Magnus

Quasi-Monte

quasi-neutral

quasi-one-dimensional

quasi-pulsed

quasicyrstalline

quasiharmonic

quasilinear

quasilinearization

quasiparticle

quaternion

quaternionic

qubit

qubits

QuCOn

qudits

questioning

Quick

quiet

QuTiP

qwViz
CFFR15, HL19c, MLR10, iNSK\textsuperscript{+15}, PNL13, WMI19]. **reactor**
[TGH\textsuperscript{+16}, ZSW\textsuperscript{+17b}]. **reader** [CGO\textsuperscript{17}, Sta\textsuperscript{19}]. **Real** [Ano\textsuperscript{19m}, AAB\textsuperscript{+10b}, BD10, CDL\textsuperscript{+12}, LAS\textsuperscript{+17}, MSH11, SP16, SBH\textsuperscript{+12}, AAA\textsuperscript{+16}, BW12b, BR14, BG11, CDMCN11, ECD\textsuperscript{+10}, FZ16, JL19, KK16b, KHZ\textsuperscript{+18}, KKL\textsuperscript{+18}, KS16b, MC16, MBF\textsuperscript{+10}, MSS\textsuperscript{+16}, OOK\textsuperscript{+12}, diRJL14, PVK\textsuperscript{+18}, SCRS17, TL17]. **Real-space** [MSH11, SP16, SBH\textsuperscript{+12}, BG11, FZ16, KKL\textsuperscript{+18}, MBF\textsuperscript{+10}, MSS\textsuperscript{+16}, OOK\textsuperscript{+12}, diRJL14]. **Real-time** [Ano\textsuperscript{19m}, BD10, CDL\textsuperscript{+12}, LAS\textsuperscript{+17}, AAA\textsuperscript{+16}, BR14, JL19, PVK\textsuperscript{+18}, TL17]. **Realistic** [Sol\textsuperscript{11}]. **reality** [GHK\textsuperscript{19}]. **realization** [BS11, GBS\textsuperscript{16b}]. **realizations** [´ASTT\textsuperscript{16}]. **realized** [NPAG\textsuperscript{11}, RH\textsuperscript{11}]. **rearrangement** [Bin\textsuperscript{13}, UFKB\textsuperscript{19}]. **Receiver** [SC\textsuperscript{14}]. **receptors** [PDC\textsuperscript{14}]. **reciprocity** [DG\textsuperscript{10a}]. **recognition** [DAW\textsuperscript{+19}, UIY\textsuperscript{11}]. **recoil** [DIR\textsuperscript{+19}]. **RECOLA2** [DLU\textsuperscript{18}]. **recombination** [Fri\textsuperscript{12}, SVG\textsuperscript{10}]. **recommendation** [QHZ\textsuperscript{+14}]. **reconfigurable** [RDN\textsuperscript{+17}]. **reconfiguration** [KC\textsuperscript{14}]. **reconnection** [PBE\textsuperscript{14}, YJK\textsuperscript{11}]. **reconnections** [CZ\textsuperscript{17}]. **reconstructing** [PR\textsuperscript{10}]. **Reconstruction** [MD\textsuperscript{11b}, ALC\textsuperscript{18}, CPC\textsuperscript{18}, FBHB\textsuperscript{17}, GMH\textsuperscript{11}, HZC\textsuperscript{19}, LSK\textsuperscript{+13}, LAS\textsuperscript{+17}, SAS\textsuperscript{11}, VL19, WFV\textsuperscript{14}, YvOSM\textsuperscript{15}]. **record** [BS\textsuperscript{14b}]. **recording** [MP\textsuperscript{11}]. **recoupling** [Wei\textsuperscript{99}]. **rectangular** [JYP\textsuperscript{18}, Qia\textsuperscript{16}, SK\textsuperscript{15}]. **recurrence** [BBF\textsuperscript{+10}, TO\textsuperscript{10a}, WSO\textsuperscript{+12}]. **Recursive** [PO\textsuperscript{14}, Fen\textsuperscript{12b}, Kvd\textsuperscript{19}]. **Red** [BGL\textsuperscript{+14}, BTL\textsuperscript{+17}]. **reduced** [CZ\textsuperscript{18b}, KKCC\textsuperscript{19}, Kom\textsuperscript{15b}]. **reduced-order** [CZ\textsuperscript{18b}]. **Reducing** [BH\textsuperscript{17}, BHVM\textsuperscript{15}, CMS\textsuperscript{18}, GM\textsuperscript{17}]. **REDuction** [BKM\textsuperscript{14}, ASGLK\textsuperscript{10}, BCS\textsuperscript{10}, BKK\textsuperscript{13}, BK\textsuperscript{15}, BK\textsuperscript{16b}, Che\textsuperscript{17}, EPS\textsuperscript{15}, GSB\textsuperscript{+14}, MUU\textsuperscript{18}, Mel\textsuperscript{19}, MZE\textsuperscript{13}, MNC\textsuperscript{15}, PZL\textsuperscript{+19}, Per\textsuperscript{14}, SH\textsuperscript{18}, Stu\textsuperscript{10}, ZWC\textsuperscript{+19}, BKK\textsuperscript{13}, BK\textsuperscript{15}, BK\textsuperscript{16b}, Smi\textsuperscript{15}]. **Redundant** [QHZ\textsuperscript{+14}]. **Reduze** [Stu\textsuperscript{10}]. **reference** [DKG\textsuperscript{+14}, DFM\textsuperscript{+15}, Duf\textsuperscript{16}]. **refined** [EZL\textsuperscript{+16}]. **refinement** [ACM\textsuperscript{19}, AWK\textsuperscript{+16}, FXZ\textsuperscript{+14}, GX\textsuperscript{15}, JFC\textsuperscript{12}, LH\textsuperscript{18}, IWR\textsuperscript{16}, MH\textsuperscript{17}, UB\textsuperscript{10}, WQ\textsuperscript{18}, YRR\textsuperscript{13}, ZD\textsuperscript{15}]. **reflection** [GC\textsuperscript{14a}, Ram\textsuperscript{10}, WS\textsuperscript{11a}, Yan\textsuperscript{09}]. **reflections** [NLS\textsuperscript{17}]. **Reformulation** [LZ\textsuperscript{12}]. **refractory** [SC\textsuperscript{18}]. **regarding** [MS\textsuperscript{15}]. **Regg** [ASE\textsuperscript{14}]. **region** [CXL\textsuperscript{19}, RE\textsuperscript{12}, TK\textsuperscript{+12}, YW\textsuperscript{19}, dSF\textsuperscript{13}, vMB\textsuperscript{14}]. **Region** [OK\textsuperscript{10}, HJGL\textsuperscript{18}, HJGL\textsuperscript{19}, SZM\textsuperscript{+14}]. **Region-of-interest** [OK\textsuperscript{10}]. **regional** [BB\textsuperscript{12}]. **regions** [Smi\textsuperscript{14}]. **regression** [AG\textsuperscript{12a}]. **regular** [MK\textsuperscript{11}, NO\textsuperscript{12}, Sch\textsuperscript{18}, SSG\textsuperscript{+10}, SSG\textsuperscript{+18}]. **Regularization** [P\textsuperscript{112}, dDY\textsuperscript{+18}, Fen\textsuperscript{12b}, Kri\textsuperscript{12}]. **regularized** [DD\textsuperscript{17}]. **regularizations** [DH\textsuperscript{17}]. **reinitialization** [FHA\textsuperscript{17}]. **rejection** [SOY\textsuperscript{19}]. **related** [KAS\textsuperscript{12}, MHA\textsuperscript{+12}, PAS\textsuperscript{11}, PS\textsuperscript{14}, SCW\textsuperscript{+11}]. **relation** [WSO\textsuperscript{+12}, sX\textsuperscript{14}]. **relations** [SS\textsuperscript{13c}]. **relative** [Bar\textsuperscript{11b}, BS\textsuperscript{14}, FS\textsuperscript{17}]. **Relativistic** [FG\textsuperscript{19}, GLB\textsuperscript{13}, Hsu\textsuperscript{11a}, Mü\textsuperscript{14a}, TM\textsuperscript{19}, Aza\textsuperscript{13}, Bab\textsuperscript{14}, BS\textsuperscript{18}, BE\textsuperscript{19}, CG\textsuperscript{17}, CE\textsuperscript{16}, EJ\textsuperscript{+19}, Erm\textsuperscript{18}, Fri\textsuperscript{12}, GM\textsuperscript{11}, GTS\textsuperscript{14}, GB\textsuperscript{+10}, GB\textsuperscript{+12}, GB\textsuperscript{+13}, GF\textsuperscript{+14}, GB\textsuperscript{+15}, GW\textsuperscript{+10}, HH\textsuperscript{11a}, JG\textsuperscript{+13}, KB\textsuperscript{19}, KBH\textsuperscript{14}].
KKG+15, KNS+17, KPST15, KMA+12, LWES18, MDHD18, MCA17, MF17, NGG+13, NPVR14, QYM11, QA13a, SZZ+12, Sar17a, SQS+16, SS11a, SLEF17, XQ19, XYM+13, ZD15, dRM18. \textit{relativity} [MG10a, Mül11a, Bre10, GLMG12]. Relaxation [CYN19, BSM13, BPP11, BPMS16, Eba13, FN17, KS15, MKB+11, SW12b, XHLUF+18]. release [GRR+14, RKGC+17]. \textit{relevant} [LPBH11, MPS13].

Relaxation [CYN19, BSM13, BPP11, BPMS16, Eba13, FN17, KS15, MKB+11, SW12b, XHLUF+18]. release [GRR+14, RKGC+17]. \textit{remains} [CFY+18, RKM+17]. relevant [LPBH11, MPS13].

Reliability [MG10a, M¨ul11a, Bre10, GLMG12]. Relaxation [CYN19, BSM13, BPP11, BPMS16, Eba13, FN17, KS15, MKB+11, SW12b, XHLUF+18]. release [GRR+14, RKGC+17]. \textit{relevant} [LPBH11, MPS13].

Reliability [MG10a, M¨ul11a, Bre10, GLMG12]. Relaxation [CYN19, BSM13, BPP11, BPMS16, Eba13, FN17, KS15, MKB+11, SW12b, XHLUF+18]. release [GRR+14, RKGC+17]. \textit{relevant} [LPBH11, MPS13].

Remapping [KN13, LJWK11, LJZ+18]. remarks [MS15].

Removal [BCH11, DF14]. renormalisation [Fon12, Roh16].

Renormalization [LSSW14, FSC13, HB12, KK16b, MK19, NBN+14, PO14, RGH10, Sta11, Trö11, Ver16, WPAV14, LSR+17]. renormalized [FHH+14, GZL14].


Resonance [KH11, VCMS+13, ASEA14, GH11]. resonances [BNSW18, LTP+17, SAS11].


Respecting [GCVA14b]. \textit{respiratory} [CPCdM18]. response [KBSP19, LLMW17, MDF11, VBS+17, ZHCR18]. responsible [JHJG14].


Reweighting [BMHP17, LS13, Sin11, Sin12a]. Reynolds [SCM+18]. rezoning [LJWK11, LJZ+18]. \textit{RF} [DFM+15, Duf16, AM19, AAJA14].

\textit{RF-MEAM} [DFM+15, Duf16]. \textit{RG} [NDSH18]. \textit{RGEs} [LS17a]. \textit{RGIsearch} [LS17a].
self-consistent-field

Self-energy

self-gravitating

self-interactions

self-motile

self-organized

self-polarization

self-questioning

selfadaptable

Selfconsistent

Semi

semi-analytical

semi-automatic

semi-axis

semi-classical

semi-discretized

Semi-explicit

Semi-Implicit

Semi-Lagrangian

semi-infinite

semi-Lagrangian

semiconductor

semiconductors

semidefinite

semiempirical

semismooth

semismooth-Krylov

Semi

Semi-Implied

sequences

serial

series

SERS

SERS-active

Set

Shared

Shared-memory

Shared-memory

sharp

shear

shear-shear

sheath

Shakhov

shaking

Sham

shape

sharplike

Sharlock

Sharp

shear

shear-shear
sheath-plasma [KMD12, KM17]. shedding [TKL^+12]. shell
[ACTP15, BM16, Cip11, DT18, Faw10, MCA17, SMUT19, Trö11].
shell-model [BM16, SMUT19]. ShengBTE [LCKM14]. Shepard [FZY13].
shields [OVS15]. Shift
[KHN19, Ber14, EJG^+19, FZ16, NGG^+13, Ram10, RLM13, STY15, STY18].
shift-invert [RLM13]. shift-operator [Ram10]. shift-without-invert
[FZ16]. Shift/collapse [KHN19]. shifted [ABF19]. shifts [NLSJ17]. shock
[FuGa9a, KR14, PBD^+15, QLE16]. shock-capturing [FuGa9a]. shock-fitting
[PBD^+15]. Short [BBF^+10, ADD^+11, BTM^+17, BWPT11, Fri10, FN17,
HWL^+17, Ram10, TKR13]. short-range
[ADD^+11, BTM^+17, FN17, HWL^+17]. Short-recurrence [BBF^+10].
short-time [Fri10]. shorter [BL18a, dJBIM16]. shortest [BGHN19]. shot
[HLS12]. showers [BG14b, GRZ10, TS10, War16]. shuffled [AZM14]. Si
[CHW^+15, Dan16, MTS^+16, SJC [Dan17]. sides [STK10, TKS10]. sign
[BH11, Kap16]. signal [JHJG14, LCRL10]. signals [CCM12, CWY^+17, HCM19, PMS^+15, SSP16]. signatures [RMC16].
significance [SC14]. silane [SVG10]. silicone [ZRS12]. silicene-like
[ZRS12]. silico [HG13]. silicon [CHW^+15, Dan16, MTS^+16, OPO^+11, OPSR13, OP14, PVH^+17, Wit14]. Simak
[Maž19]. SIMD [BDL^+19, PH13, VLL^+17, WN19]. Simflowny
[AABC^+13, AMR^+18, VMGP^+19]. Simflowny-based [VMGP^+19]. similar
[FS17]. Similarity [BEKP19, LLQX19]. SIMLA [GH15]. SimPhoNy
[AKH^+18]. Simple
[DSW15b, NOR15, PM16, AL17, AKV18, BBB^+19, CCL15, DZ15, GAHP15,
KKG^+15, KOK17, RU13, SGM11a, SGM11b, WWC^+16, WCT11, XW15, YZY10,
YW13, dSVLP13, LYJ19, PMGU19]. SIMPLE-NN
[LYJ19]. simplex [Kap12b]. simplification [SBQ14]. simplifications
[BD12]. Simplified [vMB14, AKK^+18, SA14, TVZ^+15, YZWR14]. simulate
[AMM11, BVSG19, CUL^+17, JW18, MP14, RTT^+18, SQA^+15, TXZL15,
TS10, WGG16, ZBG^+16]. Simulated [BL14, BSIM13, BDKS10, CM10a,
CD12, HGI13, IZRT15, LM12, VdlF14, VDF15, Yan16]. Simulating
[GH15, Gre18, Hoh14b, RFSF18, Wan16, Wei11b, BHNS17, BENK^+17, CJ12,
DMC10, HGCARM15, JPK^+12, KPOR18, LHH^+12a, LL15, LL12, OK18,
SV14, SJY18, SJY20, WX11, WF1019, WMI19, XAP14, XD16, YWW13,
ZKG^+18]. Simulation
[AZS^+11, AKR15, Bar12a, BdVGS11, Beu11, BBR1S19, CM15, CAGL13,
EFG^+10, FBP^+14, HEW13, Hon10, JP11, KKS18, MCV1, MTE17,
OMB19, PPV^+11, PC11, RF10, RSBB14, SKK^+19, SÖÖN11, SKH^+10,
TKZ18, UIY11, XLX^+15, AKH^+18, AFIS12, ASPDL^+16, ALSW14, AIG16,
AABC^+13, AMR^+18, AAJA14, BLV^+19, BF16, Bar11a, BK16a, BE14,
Boe14, BCM^+16, BO12, BHND16, CHNS18, CC16, CGSB18, CXG^+19, CHC^+11,
CSSB15, CHH^+11, CyW12a, CyW12b, CyFDS16, CT17, CCN17, DXY^+19,
DG10b, DSW^+15a, DHJ13, DPB^+18, DES^+11, DMM14, FYK18, FLZ^+18,
FFT^+14, FGC^+11, FFIH11, FM15, FN17, GC12, GTPS19, GM11, GRR^+14,
GRZ10, GSB+14, GHMB+19, GB14, Gri11, GRTZ10, GTK+19b, HBE10, HBL+13, HL19a, HKJ+12, HTL1, HvAS+13, HXW+13, HAN+16, Hsu11b, HB13, HHT14, HCSW10, JA17, JXTS16, JLM18, Jiw12, JPM12, JAS17. **Simulation** [KOT12, KDM17, KS19, KGFS18, KNS+17, KO12, KO13, KKO19, Kro16, KJIS16, KCS+15, KP14, KSY13, KQHY17, KSY17, LCC13, LDR+17, LJE11, LJSW11, LCH11, LX14, LSK+13, LYZ13, LSK+16, Hsu11b, HB13, HHT14, HCSW10, JA17, JXTS16, JLM18, Jiw12, JPM12, JAS17].

**Simulation** [KOT12, KDM17, KS19, KGFS18, KNS+17, KO12, KO13, KKO19, Kro16, KJIS16, KCS+15, KP14, KSY13, KQHY17, KSY17, LCC13, LDR+17, LJE11, LJSW11, LCH11, LX14, LSK+13, LYZ13, LSK+16, Hsu11b, HB13, HHT14, HCSW10, JA17, JXTS16, JLM18, Jiw12, JPM12, JAS17].
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[AAT⁺20, AAT⁺14]. **SOFTSUSY3.0** [AB10]. **SOFTSUSY3.2** [AKH12]. **SOFTSUSY3.5** [ABdA15]. **SOFTSUSY3.7** [AMRdA17]. **SOFTSUSY4.0** [AC17]. Software [Jav17, MCY⁺16, NFA⁺16, SSP16, AKZ⁺13, BMF⁺19, BCG⁺15, BRH⁺16, CPCDdM18, CYOS19, Dan12, FBC⁺12, GXF⁺15, GJA⁺16, HBJ⁺17, HM10, HM17, KMM⁺19, KST⁺14b, LPC⁺15, LHF18, LSK⁺14, MÅdK18, MNL19, MMY⁺19, NBW16, ORI⁺10, Ost10, PVM⁺17, PMS⁺15, RDP14, SD15, SCC⁺12, Shn11, Sin12a, SLR16, SS18, Sou14, SJY18, SJY20, TL17, VPP⁺12, WGG16, WGG⁺19, WZS⁺18, zYCG⁺18, ZMvE⁺13]. Software [OML11, PBF⁺16]. soils [GTSL⁺13]. SOL [FLSZ13]. SOL-core [FLSZ13]. solar [DJ12, FXZ⁺14, GSKM15, HGCARM15, Kap16, WFZG19]. SOLARPROP [Kap16]. solid [BCP⁺16, Bot13, CCD⁺16, HXW⁺13, JPCG15, KS16a, Miu11, NGCI⁺12, dlRAPL11, PLD15, QDZ⁺13, UA17]. solid-fluid [CCD⁺16]. solid-solid [QDZ⁺13, UA17]. solid-state [dlRAPL11]. solidification [YK18]. solids [AKZ⁺13, Him11, Jab19, MSHLS15, MSHL17, dlRJL14]. solitary [AS11b, DS11b, DN13]. soliton [DT11a, Pál12, TD14, XLL15]. soliton-like [XLL15]. solitons [SCB⁺17a, ZCC19]. soluble [vdSM16]. solute [DMC⁺15, JJ15, RNdB19, XHLM12]. Solution [APV10, CDTV10, DS10, LHC⁺13, PH11, RHBH15a, RHBH15b, SDM⁺12, SDS⁺17, AGH⁺16, AH13, BSM13, BH16, BKS15, Bis15, CDMCN11, CSJ⁺17, DMP18, DT11a, DS11b, DN13, DSW⁺15a, FGLB12, FFHI11, FM15, HKSW10, HVP⁺19, HK12, JK10, JL10, Jiw15a, Kas12, LD10a, LD10b, LV14, LZR12, LLP15, Lin13, LWW10, LZ12, MJB⁺10, Moh14, MA11, MM10, MNC15, NF17, ON12, OK14, PSBT12, PAS11, PDRG10, PR13, PSh12, PSL⁺17, RDP14, RVL14, RM10a, RM10b, RLM13, RGR17, SVF19, SW14c, SD10b, SS13b, SSH16, SK14, SSK⁺13, VBG⁺10, YZ16, ZDM17]. Solutions [Lev19, AD14, ADdM12a, Beu11, CZ18a, CB13b, DGST17, Er14, JLW13, KMM13, Kröl19, LLL12, LLL13, sL10, Mar19, MC12, MSZW11, MK10, MNOØ11, NO12, PAS11, PS14, SR12, TD14]. solvated [WFM14]. solvation [ZPH⁺15]. solve [AD14, AD15, ADdM12a, DG10a, JSLM16, ÖN14, RJLL16, SS13c]. solved [ACMM10]. solvent [CB14]. solvent-filled [CB14]. solvents [ZBG⁺16]. Solver [DSW15b, ALA⁺19, BMC⁺11a, BMC⁺11b, BKOZ16, BAR12b, BLAS19, Bot13, BC11, CVK⁺17, CP15a, CPV13, CCL18, CZF18, CRLS18, CRA10, CFF19, CBB14, CDR⁺15, DBLF16, DGG13, DM12, Ein16b, Exl17, FJK⁺17, FSC13, FE11, FZY17, GS15, Gai17, GPB13, GJ14, GJ13, GNP19, GG16, HGW⁺19, HWM⁺15, Hua17, HCHW11, KVV19, KFD17, KJW⁺17, KH12, LYP14, LW14a, LC15, LCKM14, LYX⁺17, LKPH19, LF12, LWJV1, LWP⁺17, LCHM10, LCHM13, MC16, MTE17, MGL16, MR14, MCM⁺12, ML14, MFM15, MVS15, MCL⁺17, OILK17, ORS⁺14, PZY16, PMS⁺17, PBD⁺15, Qia17, QSB19, RVDS16, RDVS18, RC13, RC16, SVGS18, SVS19, SKFP16, SSX14, SGW17, SELF17, TL17, Ter17, UKKB19, VL19, VV16, VV18, WFZG19, WBS⁺18, WC13, Wit14, sX14, YXT⁺15, YWOD19,
ECSH16, GGG16, HW11, MGRB11, MSPD12, MNPY14, MB16, PBMAD12, Pos18, Ruf13, SC16a, TKP12, TVGB15, WFDK19, YLTS16, Zlo13.

Spectral [BAF18, Hak16, Hak19, MLS10, SPSP18, AH13, AKV18, BLAS19, BCM+16, CDBM16, CMC+15, CvW12a, CvW12b, Col14, GMHZ19, HS14b, HZW+16, Kap12a, KZC+10, LSDD14, LW14a, LV15, LKA+16, LCCC11, Liu11, Liu13, LDF+16, Raw15, SI11, SLV18, ST19, SNB11, SSV19, SmDONF14, TD14, Wan10a, YXD+15, DBLF16, PSP16, SPMD12, SmDONF14].

Spectral [BAF18, Hak16, Hak19, MLS10, SPSP18, AH13, AKV18, BLAS19, BCM+16, CDBM16, CMC+15, CvW12a, CvW12b, Col14, GMHZ19, HS14b, HZW+16, Kap12a, KZC+10, LSDD14, LW14a, LV15, LKA+16, LCCC11, Liu11, Liu13, LDF+16, Raw15, SI11, SLV18, ST19, SNB11, SSV19, SmDONF14, TD14, Wan10a, YXD+15, DBLF16, PSP16, SPMD12, SmDONF14].

spectral [BAF18, Hak16, Hak19, MLS10, SPSP18, AH13, AKV18, BLAS19, BCM+16, CDBM16, CMC+15, CvW12a, CvW12b, Col14, GMHZ19, HS14b, HZW+16, Kap12a, KZC+10, LSDD14, LW14a, LV15, LKA+16, LCCC11, Liu11, Liu13, LDF+16, Raw15, SI11, SLV18, ST19, SNB11, SSV19, SmDONF14, TD14, Wan10a, YXD+15, DBLF16, PSP16, SPMD12, SmDONF14].

spectral [BAF18, Hak16, Hak19, MLS10, SPSP18, AH13, AKV18, BLAS19, BCM+16, CDBM16, CMC+15].

spectrally [ABDR17].

spectrometry [CWY+17, SMCB+15].

spectroscopic [Hak16, Hak19, MM11].

spectroscopies [CMJ+11, SNG+11].

Spectrum [FCC15, HS19, Ruf13, AB10, AhPSV15, Bru13, CC10a, Gar19, GWF+16, GCF+17, JK13, KZ11, MC13, OCL+13, Rom15, SCS12, SAE+16, ZUT13].

Speed [LGW13, MSR+17, CNS+18, Fu19b, JTP15, MTE17, VL19, WLM14, Yvo15].

Speed-up [MSR+17].

Speeding-up [GMC18].

speeds [SSX14].

SPFP [LGW13].

SPH [CRLS18, CDR+15, ACMM10, ACML11, ACM12, BE14, CCD+16, CP15a, CPR12, CdLOL19, CBAM12, EDFP19, FJK+17, JOR+12, KGF18, KPPC13, Lan13, MRVF13, MRSD15, OLG+16, RJJL16, SYD17, SCM+18, VSO+13, VKP14, VSP18, WMRR17, WRMR19, XLX13, XD16].

SPH-DDEM [CCD+16].

SPH/SPMHD [VSG18].

SPheno [DNPS13, PS12].

spheres [AYDY11, CKLM10, LDW13].

Spherical [ASS13, Ball19, BMG+15, Cai11, CDV10, CCK23, Den10, DT18, GDB10, GC10, GC16, GC18, GCK19, KT10, sLqSQ+13, ME18, NKS15, PM16, Rv11, SR12, Ser17, TO10a, YC¸¨O15].

spherocylinder [FBP+14].

spheroidal [Kir10, OWS+14].

spheroids [ALSW14].

SPICE [EFG+10].

SPLADY [MDW16].

Spin [BW11, BJBC+14, BPFP11, BFPFP12, BBS14, BR13, BVP10, CL14, CB15d, CAGL13, DRR16, FW11, HwWT17, IZT15, IUM13, KO12, KO14b, Kom15a, Kom15c, KO16, LBP15, MDW16, PdMML19, RRCSC10, RLS16, RE12, SHZ13, WX14, Wan16, WLGY18, Wei11b, WPAV14, XJS16, Yam16].

spin- [HwWT17, SHZ13].

spin-adapted [WPAV14].

spin-dependent [XJS16].

spin-ice [IUM13].

spin-lattice [MDW16, Wan16].

spin-orbit [CL14, RE12, WLGY18].

spin-orbit-coupled [WX14].

spin-system [BJBC+14].

spinney [CKJR11].

spinor [GLMG12].

spinors [CKJR11, Erm18, GLMG12].

SPIP [BF16].

SPIREs [MCM+12].

Spline [LZ17, BH16, End11, Fis11, Jil10, Ji15b, LD10b, LX12, Lin13, Moh14, PCGM14, RM10a, ZF16].

spline-Fourier [PCGM14].

splines [RHC15, RCH16, WvSL13].

Split [GTS14, BK11a, DIR+19, DT10, JZJ18, JCL+18, OAKS11, PMMF15, Ram14, SB11, WZ13].

Split-operator [GTS14].

split-step [DT10, JCL+18, OAKS11, Ram14, WZ13].

Splitting [Bla15, ABH+19, BE14, BB12, CZ18a, CDS10, GML15, LBM+14, LL19, NAQ16, QM10, QSC14, Sch14a, TD14, TCP13, XLX13].

splittings [IKS19].
KH10, Pan15, Zit11, KDP\(^{+14}\), CCK23, Mel19]. symbols
[Nik12b, Wei11a]. Symmetric [CFMR10, CYSL12, ACC17, CDMCN11, CFSK14, CLW11, GBRB11, GHMB\(^{+19}\), GCWH15, HC17, HM18, JOR\(^{+12}\), KSW12, MCP10, NLSJ17, PAS11, PS14, RS12, REBS16, SW12a, SW13b, Szal13b, Szal13a, SY18, SY20, TC12, Yua19]. symmetric- [SI18, SY20]. symmetrical [AAD14]. symmetries [JC13, JC14, VJC12]. Symmetry
[MW14, Alv12, BCDP18, CDTV10, CFMR14, FF11, GNT17, HJ\(^{+14}\), LRC11, ZAHA10]. Symplectic
[LQ18, MKS10, Bla15, CWJ19, CFMR10, CZS10, CYSL12, HDZ14, KMS14, KZC10, LS12a, LYL\(^{+17}\), QSC14, RHW\(^{+12}\), SS13, SW12a, SW13b, WXL13, WWH14, WWC16, XQ19, ZST11]. SYNPLER [KDP\(^{+14}\)]. synchronous [BENK17, Fer15, SCM13]. synchrotron [LSF14]. synthesis [LHWL16]. Synthetic [MGA13, BL18b, KFF16, PN15]. System
[KBT14, Ano11a, BM\(^{+11}\)b, BJBC\(^{+14}\), BCDP18, BH\(^{+10}\), BBH15, CDBM16, CFB12, Cas12, Dat13, FBHB17, GZL14, GBP13, HAH13, HZ11, HLD13, JMG\(^{+17}\), Kro16, LDR\(^{+17}\), LL19, SLO10, MDA10, MC14, MSA10, OK10, OY13, PFMW15, SXW\(^{+18}\), TTG11, TTS11, TD17, WNY17, nZXL15]. systematic
[BW16, BS\(^{+18}\), ER19, GA13, MN19, RCGT16]. systems
[ASTT16, ASS18, AKR15, ABF19, ASPDL\(^{+16}\), AGH\(^{+16}\), AD\(^{+12}\)b, ACD\(^{+14}\), BM\(^{+11}\)b, DB\(^{+19}\), BFPP12, BBS14, BKS15, Bis15, BVC13, BMW14, BC11, CR13, CLH\(^{+17}\), CGM17, CZ18b, CLJ12, CYSL12, CSK19, CL15b, CB\(^{+19}\), CB\(^{+15}\)d, CB\(^{+16}\)a, CR12, CBB\(^{+10}\), CFFR15, Dan14, Dan16, Dan17, Dan19, DBJ11, DEW16, Er14, Ert15, FLW10, Fil14, FE11, FLW17, GLHR19, GJ\(^{+18}\)a, GS17a, GI11, GM16, GBJ\(^{+10}\), GBJ\(^{+12}\), GBJ\(^{+13}\), GCH15, HB\(^{+13}\), HL19a, HAN\(^{+16}\), IUM13, JLA\(^{+14}\), JWC18, JXTS16, JLW13, JNN12, JNN13, JGC\(^{+11}\), KFS17, Kau13, KPA13, KH\(^{+18}\), KI11, KO12, KS12, KPOR18, KGS10, LLQX19, LKM\(^{+16}\), LCS\(^{+11}\), LCS\(^{+12}\), LWW11, LS16, LB10a, LB10, LKT\(^{+16}\), LCHM10, LL12, LCHM13, LBP15, MPM14, MFH15, Men11, MGS13, Mi15, NFD\(^{+19}\), PFA15, PTMDPK14, PLC12, QZVU19, RF10, VAI11, RC15, RCH16, RCH19]. systems
[RLMG\(^{+11}\), SW14b, SL17, SH18, SCJH19, SEG15, SGW17, SLR16, SS10a, SPP19, TM14, TDL\(^{+14}\), UO15b, UO15a, Voy13, VBM15, VB19, Vuk12, WXL13, WRB11, WA14, WYS10, WW10, YZWR14, ZAHA10, db14]. SYVA [GNT17].

T [CCK23, HD17, PC11, NDSH18, MB16, KB19]. T-matrix [HD17].
t-SURFF [MB16]. T3PS [Man16]. table
[JTH14, LYY10, Wei11a, vSGB\(^{+18}\)]. tackle [CKS10]. tadpoles [Pik18]. tag
[DKT14, HLS12]. tag-mediated [HLS12]. tailored [VvAV\(^{+11}\)b]. tangents
[PR10, PR12]. Target [DAW\(^{+19}\), GC13, HHT14, RTV16, SKK\(^{+19}\)]. targets
[BAK\(^{+17}\), HC16, HJ\(^{+15}\), MSR\(^{+17}\), SMO19]. Tartarus [SGSG19]. task
[TGH\(^{+16}\)]. task-based [TGH\(^{+16}\)]. tasks [HWT10]. tau
[SW14c, Wan10a, HTT13, HTT14]. TAUOLA [CPWZ18, DNP\(^{+12}\)]. Taylor
RDVS18, SHT18, SSB+16, SLY18, SKP16, SVV19, SSH+13, SGW17, SBPD19, SBH+12, SCB17b, SW12b, TTG11, TL17, TT14, TVT+16, TVGB15, UW12, US16, VDB14, VBS+17, VVB+12, Vuk12, WL11b, WMI19, YOM+19, YSVM+16, YSMA+17, YWOD19, ZD15, ZY19a, dSF18, dHGCS11, CYN19, Wil19. **time-delay** [DS10, LTP+17]. **time-delayed** [JHJG14]. **Time-Dependent** [LB10b, GTG+11, IBB18, TC11b, TT11, BMBC+17, DS13a, DHR14, DM12, FGLB12, GS15, GBR+14, HM18, JL19, KBS19, KYSV+15, LV4, LBB+16, LYSS+16, MC16, MGRB11, MGL16, MC17, NPM16, ÖN12, PM16, SSB+16, SSH+13, SCB17b, TVGB15, UW12, VBS+17, VVB+12, WL11b, YSVM+16, YSMA+17, ZY15, dSF18]. **Time-domain** [LLQX19, CKSM+19, CW16, FNPMB10, HE13, HC16, HC17, KBSP19, KYSV+15, LV14, LBB+16, LYSS+16, MC16, MGRB11, MGL16, MC17, NPM16, ÖN12, PM16, SSB+16, SSH+13, SCB17b, TVGB15, UW12, VBS+17, VVB+12, WL11b, YSVM+16, YSMA+17, ZY15, dSF18]. **Time-efficient** [RJKC16]. **time-evolution** [JHJG12, JMG+17]. **time-evolving** [US16]. **time-fractional** [CZZ+19, GMHZ19]. **time-harmonic** [HLLH16, LLP15, TVT+16]. **time-integration** [CH19]. **time-modulated** [TTG11]. **time-spectral** [SLY18]. **Time-splitting** [TD14, BB12, GML15]. **time-step** [LS15b]. **time-stepping** [DJ14, QWZW18, SHT18, WMI19]. **TIMEDELn** [LTP+17]. **times** [VKLM11]. **timeseries** [HBP14]. **TimeSeriesStreaming.vi** [CO11]. **timesteps** [YQM12, YQM14]. **Timing** [SJW10]. **tin** [LZP12]. **TINKER** [BBL+13]. **tip** [XLX+15]. **TNAMD** [MPB10]. **TNSPackage** [DLW+18]. **tokamaks** [ML17, PPV+11, TJH17]. **TOMBO** [ONS+15]. **Tomlinson** [AMM11]. **tomographic** [HZC19, YvOSM15]. **tomography** [AGMS15, CM10b, DADS11, FWS+17, LM12, MD11b, PR10, PR12, SSM+17, YvOSM15]. **Tool** [BCTP18, Mau16, Rutf13, SF10, BJ14, BM19, BCH17, Bre10, BHW+12, CF16, CKS10, CC19, CRC+13, CZN14, DGPW11, DES+11, DRR15, EBDM17, FYK18, FCC15, Gio14a, GM17, GRR+14, GPS+13, GBC+18, GFB+10, GGF+13, HD11, Hir15, HB13, KS19, KFS+13, Kol15, KRB19, LCE+13, LHL11, LS17b, MLGVE14, MVI+16, MNPY14, MYP+14, MG10a, Müll11a, Mur14, NR5VW12, OG14, OO15b, OO15a, OVS15, OAKS11, PSM14, PSM15, PG19, Pra17, RF15, RW+19, RCD+10, Ros15, RKGC+17, Rut18, SGDS16, SZC+13, SPY11, SOPS12, Sta14, TKS19, WS11b, sX19, YOM+19, YB13, BBB+15]. **toolbox** [ACD+14b, AD14, AD15, Bal19, BHJ+18, DSK19, HT12, Hoh14a, Hoh14b, Hoh18, HSF+15, Men11, PFA+15, TACA15, VDAH16, WJCZ18, WTH15]. **toolkit** [BG19a, BG19b, BMZ+18, HWM+15, Hua17, Liu15b, Pei18, SBH+14, SMO16b, WFDK19, Wie18]. **Tools** [GHdF10, GHvSF14, ABB+14, Ano10o, CFW17, Fis12, Fri14b, LHF18, MFS10b, SLW19a, SLW19b, SS13c, VKS16]. **Top** [ALL+11, CFSK14, CM14b, HLM17, KKK+15, ZZG+16, CM14b]. **top-pair** [CM14b]. **top-quark** [KKK+15]. **topological** [BLS17, FZ5+12, BSZ+18]. **topologies** [ABB+16, BCM+16]. **Topology**
Topology-based [BBO19].

[MMV13, SJY18, SJY20]. TORBEAM [PBL+18].

toroidal [BDBV12, DXY+19, HKJ+12, JGC+11, KTE+12, LC15, MJB+10, PCGM14].

Toricelli [BBO19].

torsional [FCCTFR18, ZMCT12, ZMPT13].

torsions [FCCTFR18].

torus [KGG+16, YKK+19].

Total [TAFD19, KCA+15, MKU+12, SAA+10, SGDS16, SSM+17].
toy [GFJ+14].

toy-model [GFJ+14].

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