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Title word cross-reference

(1 + 1) [SP18a]. (2 + 1)D [HP14]. (MC)² [KSW15]. 0 0 0 1 [Dan19]. 0 0 0 I [Dan19]. 1
[CC14, Gio14a, HTT13, HTT14, MGL13, PM16, RKVL14, SBH+14, WNYP17].
1 + 1 [Fan19, SÖÖN11]. 1/2 [HvWT17]. 1/t [AM17]. 2
[APC+14, BBB17b, BVP10, DLM18, ÉW14a, FJK+17, FK12, GCVA14b,
Gwi12, Ixa10, JCL+18, KO14b, KO16, RAV11, SW14a, SW14b, SA15b,
SKK11, SW11, TMA+15, TY10, TKL+12, TPC16, VLM11, WMRR17,
WRMR19, YLKN17, YTYA17, ZSW+17a]. 3
[AV13, AM19, AGMS15, BAR12b, CP15a, CPCDdM18, CdLOL19, DGG13,
FLZ+18, FRFH10, GS15, Gai17, GMF+17, Giu19, GG16, GX15, HKJ+12,
HDM+12, JEC+12, JCL+18, JKIS16, KAK12, KL11, KO14b, KO16, KMJS16,
LHJZ10, LHC+13, LX14, LKW11, LBP15, MGO13, MCP+11, NHD16,
NCB18, PR10, PCGM14, QSC14, Qia17, RF15, RS12, RJLL16, RHBH15a,
RHBH15b, TGH+16, TIM+16, VMGP+19, WNYP17, WRBL19, YKK+19,
ZXL16, ZZD+16, ZSW+17a, ZFR18]. 3 + 1 [KHB14]. 4 [GGF+13, dSLF13]. 5

1
[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 [CVG13].  1.23 [DGVPW11].  1.4 [Wie15].  1/2
[Nat10, Ram10, Ras17, Wu10].  181 [ERS10c].  182 [SGM11a, Sc13].  183
[YQM14].  184 [LR16, SIMGCP14, ZTG14].  186 [KYKN15a].  187
[RHBH15a].

2 [AH1+19, AMR+18, CKFB12, DLU18, DDK+17, DES+11, Fcn16, FP14,
HD17, HM12c, JNN13, LS17b, dRL11, dRAPL11, dRJL14, PBD17, PRI2,
RN1B19, RSB14, TBB+14, ZE16, Cro16].  2.0
[AFIS12, ACD+14b, ABH+18, BCH13, BHS15, DDKM15, GLPQ11, GBR+14,
GTK+19b, HEP13, HIS+10, KRM+19, Liu15a, LRR+15, LCRL10, OG14,
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 [Sc19].
2d-Ising [WWVB11].  2F [ML17].  2HDME [ERS10c, ERS10a, ERS10b].
2HDME [Ore19].  2nd [FMRP16].  2ODE [ADdM14].

3 [CZ17, GLR17, LS17a, NGG+13, Pos18, Smi14, vH10].  3-state [MEG12].
3.0 [BH1+15, CXH+15, CK19, GCV14a, 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 [KVV13, OO15b].  4.1 [KRW13].  4.5
[CBY18].  4OEC [SK15].

5 [CFS13].  512 [WN19].

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

70th [Pat12].  77 [GH18, GHN19].

8.2 [SAC+15].

A.I.K.E.F. [Pre18]. abrasion [EBCB+14, EBCBG17]. abrasive [EBCB+14]. abrasion [EBCB+14]. abrasive [EBCB+14].

Abstract [SBQ14]. abstraction [BBB+19].

Abstract [SBQ14]. abstraction [BBB+19].

abundances [Arb12]. accelerates [XHLUF+18]. Accelerated [CGSB18, FSH13, JP11, SDS15, Sza13b, BS14a, BWB+17, BCFR15, BPV10, BTL+17, Cap13, CP15a, CGB14, CH11b, CRB+17, DS13a, Exl17, FOB+15, GP13, GJ13, Ham11, HTJ+16, HXW+13, HbotRC15, KEH12, KM10, LGW13, LWRQ16, MAWK18, MFM15, MHR+13, Ngu17, PR14, PBS+17, PQTG17, Sar10, SYS12, SKM15, WSH+14, XLX13, ARY17, 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, MST+18, 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].


adaptive-resolution [ABRS12]. adaptively [JL19]. adaptor [BV13].


aggregation [Bis15, MST+18, MFLY19, WXW14, XLCW14, BR11, KdMvO14, LX14].


algebras [Eks11, FK15, HR11, Naz12]. Algorithm [BR11, VR15, VR18, Wan10b, ART17, Alv12, AZ14, AM17, AFZ17, AFTZ18, ATCZ19, BK13a, BWB+17, BJCW13, BR13, BVC13, BCM+16, BO12, BNO17, Bru13, BY17, BMDP19, CM10a, CHNS18, CNS+18, CC14, CC15, CWY+17, CZZ+19, CXG+19, CDS+13b, CZGC19, CGRB14, CBGY17, CBAM12, CLF18, DKSG16, DE13, DG10c, DG16, EZL+16, Eme11, ES11, FLA+16, FSI+16, FRG12, FZ16, FKH15, GCF+17, GJ18a, GJL18b, GBT12, GSV15, GZW17, GTL11, GD14, GES13, GLX+14, GX15, GJ18b, Gw12, HGCARM15, HWT10, HK15, HCH16, HP11, HZW+16, Jab12, Jab13, JW14, JW12, JW13, JWM+18, JvOK17, JJ15, JPK+12, JKG+18, KP12a, KBB+17, KO12, KO13, KO14b, Kom15a, Kom15b, Kom15c, KO16, KV19, KVV11, Krö19, KSW15, LM19, LDD+19, LKL11, LK12, Leel8, LKA+16,
LM12, LHH+12a, Liu14, LZ11a, LZ11b, LYZ13]. **algorithm**

[LTP16, Lya15, LOSZ13, MM17, MGO13, MPM14, MH11, MGS13, MEM+11, MC10, MTO15, MFLY19, NBN+14, Nem16, NFD+19, OL12, OOK+12, OCM+19, PH13, PSB11, PDRG10, PP13, PYW+14, PR10, PG17, PdMML19, QwWL+15, Ray10, RU13, Rom15, RW11, SGM11a, SGM11b, SCB+17a, SCB+19, SG15, ST19, SWL+15, SPS10, Sin12b, SKK11, SQA+15, SOYHDD19, SOJ14, Ste17, TMS19, TTT16, TIM+16, UW12, Urb18, US16, VSG18, VvAV+11b, VLL+17, VGM+15, WP11, WRFS15, WWHW14, Weil2, WRvdL15, XWhZ13, YZZ+17, YvOSM15, YLYL17, ZKG+18, ZZHG18, ZCC19, Zhe15, ZMJ13, Zou18, vRWS14, Cho11, KS16a, SKH+10, YKS11].

**Algorithmic** [HB12, Mey18, GHR+16].

**Algorithms** [Fri14a, KD17, KBLJ18, Pan15, TK14a, BS14a, BK11b, BAF18, CWJ19, CLH+17, CCE10, CR12, CF17, CLB11, DS11a, DS14, Din14, DS13c, ER19, FDWC12, Fri10, FHA17, GBR+14, GFX+16, GBJ+19, GCHL15, GSC+16, Has11, HLLH16, HRC11, Hon18, HVMR10, HCSW10, JPH+14, KMS19, KK17, KME+11, LBM+14, LYJY10, Mag18, MEG12, MD11b, MA11, PBS+17, STK10, SGM18, SJ17, SMJ17, Sha18, TRM+12, VPP+12, Vuk12, WG11, XQ19, ZHC16, dSF18]. **Alias** [SKSK13]. **ALICE** [Ano19m]. **aligned** [DXY+19, HO13, HWS16, LDR+17, PHT+19]. **alignment** [BKM11, SJY18]. **alkali** [SPAW17]. **All-electron** [KCA+15, ONS+15, AKZ+13, JGAL+13, LRW+15, RCGT16]. **all-optical** [PM14]. **all-speed** [Fu19b]. **all-to-all** [EPS15]. **allowed** [HS19]. **alloy** [DGZ+15, KZ14, LS17a, SWL+15]. **alloys** [AM+14b, CHDCJA17, NS11b, FE17, ZZH+16]. **almaBTE** [CVK+17]. **almost** [PdMML19]. **AlN** [Dan19]. **ALOHA** [dALM+12]. **along** [McM17]. **AlpGen** [CUL+17]. **Alphen** [RJ12]. **ALPS** [DBK+14, GAC+17]. **alteration** [SVG10]. **AlterBBN** [Arb12]. **Alternating** [Sok13, SPP19, XZ12, BDK11, LST15, TT14, XYK12]. **alternating-direction-implicit** [TT14]. **Alternating-order** [Sok13]. **Alternative** [ADdM17, Arb12, BKA+14, CLF18, KAR+15, SPP19]. **altruistic** [HLS12]. **Am** [MSN11]. **AMB** [KB19]. **AMBER** [NBW16]. **Amdahl** [JAS17]. **AMGA** [Ano11a]. **among** [RE19]. **amorphous** [HYM11, MHV17]. **amount** [DO14a]. **Amp** [KP16]. **amphiphilic** [FF11H11, SSF+17]. **amplified** [EZBA16, ZLM12]. **Amplitude** [Raw15, BT17b, MPSV15, Raw16]. **Amplitudes** [DLU18, BBU11, BVH15, KvdO11, Per14, dALM+12, ADH+17]. **AMR** [GX15, TE18, TK19, ZKG+18]. **AMRVAC** [TK19]. **analogue** [CO11, Fer15]. **analyser** [LW11, LW13]. **analyses** [Ham11, KSTR15, SUS+17a, WLM14]. **analysing** [BPMS16]. **Analysis** [BBB+15, Car10a, CAN11, GdGB+18, GES13, IB11, SLLP17, US18, WHB16, vDSM16, AAA+15, ASS18, ASE14, AS11b, AMR15, Ano11o, ADdM+12b, ACDdM14, APC+14, BHN+16, BKN+17, BHH+10, BBH+15, CSC11, Car10b, CMRVVR+14, CF16, CPW17, CZL+11, DRR16, DGPR18, EBCB+14, EBDM17, EW14b, EW16, Faw10, FF11, FNPMB10, FBH+13, Pri17, Hs19]. **alteration** [SVG10]. **AlterBBN** [Arb12]. **Alternating** [Sok13]. **Alternative** [ADdM17, Arb12, BKA+14, CLF18, KAR+15, SPP19]. **altruistic** [HLS12]. **Am** [MSN11]. **AMB** [KB19]. **AMBER** [NBW16]. **Amdahl** [JAS17]. **AMGA** [Ano11a]. **among** [RE19]. **amorphous** [HYM11, MHV17]. **amount** [DO14a]. **Amp** [KP16]. **amphiphilic** [FF11H11, SSF+17]. **amplified** [EZBA16, ZLM12]. **Amplitude** [Raw15, BT17b, MPSV15, Raw16]. **Amplitudes** [DLU18, BBU11, BVH15, KvdO11, Per14, dALM+12, ADH+17]. **AMR** [GX15, TE18, TK19, ZKG+18]. **AMRVAC** [TK19]. **analogue** [CO11, Fer15]. **analyser** [LW11, LW13]. **analyses** [Ham11, KSTR15, SUS+17a, WLM14]. **analysing** [BPMS16]. **Analysis** [BBB+15, Car10a, CAN11, GdGB+18, GES13, IB11, SLLP17, US18, WHB16, vDSM16, AAA+15, ASS18, ASE14, AS11b, AMR15, Ano11o, ADdM+12b, ACDdM14, APC+14, BHN+16, BKN+17, BHH+10, BBH+15, CSC11, Car10b, CMRVVR+14, CF16, CPW17, CZL+11, DRR16, DGPR18, EBCB+14, EBDM17, EW14b, EW16, Faw10, FF11, FNPMB10, FBH+13, Pri17, Hs19]. **alteration** [SVG10]. **AlterBBN** [Arb12]. **Alternating** [Sok13]. **Alternative** [ADdM17, Arb12, BKA+14, CLF18, KAR+15, SPP19]. **altruistic** [HLS12]. **Am** [MSN11]. **AMB** [KB19]. **AMBER** [NBW16]. **Amdahl** [JAS17]. **AMGA** [Ano11a]. **among** [RE19]. **amorphous** [HYM11, MHV17]. **amount** [DO14a]. **Amp** [KP16]. **amphiphilic** [FF11H11, SSF+17]. **amplified** [EZBA16, ZLM12]. **Amplitude** [Raw15, BT17b, MPSV15, Raw16]. **Amplitudes** [DLU18, BBU11, BVH15, KvdO11, Per14, dALM+12, ADH+17]. **AMR** [GX15, TE18, TK19, ZKG+18]. **AMRVAC** [TK19]. **analogue** [CO11, Fer15]. **analyser** [LW11, LW13]. **analyses** [Ham11, KSTR15, SUS+17a, WLM14]. **analysing** [BPMS16]. **Analysis** [BBB+15, Car10a, CAN11, GdGB+18, GES13, IB11, SLLP17, US18, WHB16, vDSM16, AAA+15, ASS18, ASE14, AS11b, AMR15, Ano11o, ADdM+12b, ACDdM14, APC+14, BHN+16, BKN+17, BHH+10, BBH+15, CSC11, Car10b, CMRVVR+14, CF16, CPW17, CZL+11, DRR16, DGPR18, EBCB+14, EBDM17, EW14b, EW16, Faw10, FF11, FNPMB10, FBH+13, Pri17, Hs19].
application-driven [BJBC+14]. application-programming [SV14].
Per14, SPMM11, YFAT17, HR11, HKVR10, UW12, ZSW+17a, ZLZ19.

**Automatic** [CF16, DAW+19, Deg15, GAGW16, LV13, LHWL16, MV11, MO14, Ram19, RC11, Sta11, ZZ17a, ZFZ19, dALM+12, CL15a, CD15, Cha16, DZ15, Gio18, Kol14, Kol15, LLQX19, Liu15b, OK10, Ros16, Sen16, Sha13b, SF10, VKS16, Wie15, XWhZ13, YB13, ZPH+15, Zlo13, ZUT13, vH10].

**Automation** [GBS16a, GHvSF14]. **Automatized** [Str15]. **Automatizing** [TdAdSS11]. **Automaton** [FGC+11, JEFP14]. **Autonomous** [Bla15, BCT17].

**Autostructure** [Bad11]. **Auxiliary** [GA15, JBKM15]. **Auxiliary-field** [GA15]. **Available** [Cip13]. **Avalanches** [VKLM11]. **Average** [SGSG19]. **Averaged** [KQYH17]. **Averages** [LP15, Wan16]. **Averaging** [KFS17, Koh15, MImo+17, WHB16]. **Avoiding** [SBB13]. **AVX** [GBS16b, WN19]. **AVX-512** [WN19]. **AVX2** [WN19]. **Aware** [dCD19]. **AWESoMe** [MSHLS15, MSHL17]. **Axes** [BDK11, CNMC10a, CNMC10b]. **Axial** [RS12, Sza13b, Sza13a]. **Axial-symmetric** [Sza13b, Sza13a]. **Axially** [PSL+17, SSK+13, GHMB+19, MCP10]. **Axially-symmetric** [MCP10]. **Axis** [CLW11, DXY+19, JTP15, SMdONF14, YKK+19]. **Axis-symmetric** [CLW11]. **Axisymmetric** [EW16, FUK17, KB15a, KRK16, LC15]. **Azimuth** [LWZ14]. **Azurite** [GLZ17].
GTK\textsuperscript{+}19a, HRC11, PS12. BGK [CM14a]. biased [Sin11, Sin12a]. biasing [Gio14b]. BiCGGR [TKS10]. BiCGSTAB [NIK\textsuperscript{+}12a]. BiconeDrag [SPTPR19]. bidirectional [FSF11]. Big [GR19, Hoh18]. biharmonic [SK15]. bilayer [FPY\textsuperscript{+}17]. bilayers [MSRL10]. bilinear [MWCY14, Ram10]. BilKristal [OG14, OO15b]. Bill2d [SLR16]. billiard [TTS11]. billion [YBK\textsuperscript{+}11]. Bimolecular [SAG13]. Bin [CMRVVR16, GGG\textsuperscript{+}19]. binary [CM10b, GCC\textsuperscript{+}18, JuIAM16, LM12, WLU11]. binary-coalescence [GCC\textsuperscript{+}18]. BiNCa [BKA\textsuperscript{+}14]. binding [BBH11b, HSF\textsuperscript{+}19, HM17, Jac19, PDC14, RJKC16, SHNM11, YLYL17]. Bio [ABB\textsuperscript{+}14]. bio [BG13a]. bio-molecular [BG13a]. biochemical [HL19a]. BiNCa [BKA\textsuperscript{+}14]. binding [BBH11b, HSF\textsuperscript{+}19, HM17, Jac19, PDC14, RJKC16, SHNM11, YLYL17]. BlackNUFFT [Giu19]. blast [SKH\textsuperscript{+}10]. Bloch [CCW10, Dem13, SDL\textsuperscript{+}16]. block [CSV\textsuperscript{+}18, DB13, FRFH10, JBG\textsuperscript{+}16, JBG\textsuperscript{+}17, LH18, SPS10, DKOS14, HM18, LW14a, NIK\textsuperscript{+}12a, Nem16, STK10, SAY\textsuperscript{+}18, SMUT19, TKS10, US16, VBS\textsuperscript{+}17, WT15]. Block-based [LH18]. Block-Krylov [CSV\textsuperscript{+}18]. block-pulse [SPS10]. Block-structured [FRFH10, JBG\textsuperscript{+}16, JBG\textsuperscript{+}17]. block-tridiagonal [LW14a]. blocking [TSIM16]. blood [BTL\textsuperscript{+}17, CRA10, MMC\textsuperscript{+}10, MBS\textsuperscript{+}10]. Blume [FLP10]. BN2D [SBPN15]. BNL [GFJ\textsuperscript{+}14]. BO [sX19]. Board [Ano18e, 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, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano15m, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano16k, Ano16l, Ano16m, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i, Ano17j, Ano17k]. Board [Ano17l, Ano18a, Ano18b, Ano18c, Ano18d, Ano18f, Ano18g, Ano18h, Ano18k, Ano18l, Ano19a, Ano19b, Ano19c, Ano19d, Ano19e, Ano19f, Ano19g, Ano19h, Ano19i, Ano19j, Ano19k, Ano19l]. bob [SPTPR19]. bodies [MNV13]. Body [GBJ\textsuperscript{+}13, GBJ\textsuperscript{+}15, GBJ\textsuperscript{+}19, ADT\textsuperscript{+}19, BBC\textsuperscript{+}13b, BY13, BRH\textsuperscript{+}16, CDS13a, CKS10, EKO16, FCVH17, FEH11, GBJ\textsuperscript{+}10, GBJ\textsuperscript{+}12, GBFJ14, HEF12, HLZ\textsuperscript{+}13, Ixa16, JWC18, JWM\textsuperscript{+}18, JOK13, JDG12, KPA13, KPST15, KH19, LSDD14, LB13, MTM13, MBFD12, NAPAG11, PFMW15, PKRS16, PIH11, RC11, VvAV\textsuperscript{+}11b, WZHE18, WSH\textsuperscript{+}12, XMLC16, ZC12]. Bogoliubov [ADT\textsuperscript{+}19, SP18a, SSK\textsuperscript{+}13]. Bogolyubov
C [ADH+17, Ano11o, Ara14a, Ara14b, Asl14, BV13, COK19, CEGS16, DPW16, Ein16b, Fow18, GH18, GHN19, GC10, GC13, GC16, GC18, GCK19, HL18, KvdO11, KPV16, KKO19, KYSV+15, KLM+19, LCJ10, LSDD14, LYSS+16, MD11b, MACdF14, Sai13, SV14, SS12, Sch18, SWS+12, Sni15, SJHS19, Stn10, 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, MACdF14].

C2x [Rut18].

Ca [CJH11].

cable [OVSI15].

Cache [SSF+14].

caching [WMRR17, WRRM19].

Cadabra [Bre10].

CADISHI [RK19].

CADNA [LCJ10].

Cahn [KL17, LK12, LLXK16, XYZX19, 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, HLF19b, Jab12, Jab13, LKL11, LCHM10, LCHM13, MCV+18, MH11, NGM+10, PH13, PCR17, Pos18, SEW12, SEW14, STY15, STY18, SNC16a, SPAW17, SW12b, VDJ+11, WCL14, YLTS16, ZMCT12].

Calculation [GKM10, Kir10, LXR+18, MK19, Pla16, Sar17a, SMGK19, WW15, WBY11, AKH+12, AC17, AG14, AAT17, Aza13, BGM+14, BPC12, Buc19, CMVRB+14, CMVVR+14, CHDCJA17, CYD11, CFSDK14, Cip11, Cip13, CM14b, DBDP12, DSS+12, DRR15, DNP13, Eba13, ELL+17a, FZW+12, GSMK17, GAHP15, GM16, HLM13, HK15, HAN+16, JL12, KAK12, LPRPR17, LFKDa18, LSF14, LKL11, LSCZ11, Liu15b, LHGF18, MKG13, MSN11, MPSV15, MSRL10, MSHLS15, MSHL17, MC17, NKS15, Ni1k12b, ORCR17, PBMD12, Pat15, Pat17, QZ19, QZWU19, QLN14, Ram10, RK19, SD10a, Shi16, SS11a, SZM+14, SKK11, Sta11, Ste17, SMGK14, TQZ12, TMA+15, WLGY18, Wei99, Wit14, XMLC16, Yan09, ZPH+15, ZT13, ZT14, ZFBR11].

Calculations [Lit13, PDC14, YZY10, APS+16, ART17, AC15, AC18, BK13b, BC10, BDP15, DdJC+19, BH17, BBH11b, BS13b, Bor14, BHS15, CLHL19, Cas12, CKSM+19, CPV13, CCGC13, Cor14, Cri18, Dan11, Dat13, DN18, DSW+15a, DHS14, DAI16, DO14b, DML+16, EJG+19, Ern18, FSH13, FUSH14, FCC15, Fri12, FZY13, GA15, GGG16, GVS+15, GBSY18, HSF+19, HWW12, HSF+10, HW12, HL19c, Jac19, JPCG15, JWCC17, JL19, JOK13, KB19, KT12, KCT15, KKL+18, KSL+11, KPK+17, KPST15, KH10, LA13, LS19, LZP12, LSR+17, LS17a, MED11, MAz19, MAM14, MLK+17, MLK+19, BRG+20].

Burgers’ [BK16a, Ji12, Ji15a, KP14].

Burke [Sco19].

Büttiker’s [KKS18].
NGG$^{+13}$, NSXZ$^{+13}$, Nis$^{11}$, OBH$^{10}$, OT$^{11}$, PB$^{13}$, PUO$^{14}$, PKRS$^{16}$, PSP$^{16}$, RPL$^{+14}$, Roh$^{16}$, RC$^{11}$, SAW$^{18}$, SW$^{14a}$, SZ$^{15}$, SCRS$^{17}$, SAY$^{+18}$, SPMM$^{11}$, SMUT$^{19}$, SLD$^{+11}$, SSF$^{+14}$, SST$^{11}$, Sni$^{14}$, Sn$^{16}$, SQL$^{+10}$, SPSP$^{18}$, TC$^{12}$].
calculations
[VSG$^{17}$, VCMS$^{+13}$, WL$^{11a}$, WR$^{16}$, Wli$^{15}$, XJS$^{16}$, Zit$^{11}$, VPM$^{16}$].

[ERS$^{10c}$, ERS$^{10a}$, ERS$^{10b}$, HTY$^{17}$, ZZH$^{+16}$, ALL$^{-11}$].
calculator
[ERS$^{10c}$, ERS$^{10a}$, ERS$^{10b}$, HTY$^{17}$, ZZH$^{+16}$, ALL$^{-11}$].
calculus
[GLMG$^{12}$, KD$^{17}$, SBQ$^{14}$].

Calibration
[BMG$^{15}$, BDGM$^{+17}$, Ost$^{10}$, ZUT$^{13}$].
callbacks
[BV$^{13}$].
calorimeter
[dAF$^{+12}$, GRZ$^{10}$, BPMM$^{14}$].

CALPHAD
[TKP$^{15}$].
CALYPSO
[WLZM$^{12}$].

Camassa
[ZST$^{11}$].
camera
[MGA$^{+13}$].
CAMORRA
[KvdO$^{11}$].
can
[Pra$^{11}$, CBB$^{14}$, KSL$^{+11}$].
cancer
[SCW$^{+11}$].
cancer-related
[SCW$^{+11}$].
candidates
[BBPS$^{15}$].

CANONICA
[Mey$^{18}$].

Canonical
[AS$^{16}$, PA$^{13}$, GA$^{15}$, Mey$^{18}$, Pra$^{17}$, PLCC$^{12}$, RMC$^{16}$, Sit$^{18}$].
canonical-ensemble
[GA$^{15}$].
canonicalization
[Nie$^{18}$].
capabilities
[OTC$^{14}$].
capacity
[LLE$^{+18}$].
capacitance
[CLC$^{14}$].
capacities
[ZMCT$^{12}$].
capacitively
[SBL$^{16}$].
capillaries
[vdS$^{13}$].
capped
[RM$^{14}$].
capture
[SGAA$^{18}$, GT$^{19}$, SR$^{12}$].
capturing
[Fu$^{19a}$].
Car
[VCMS$^{+13}$].
carbide
[OPR$^{14}$].
carbon
[Beu$^{11}$, CSL$^{+13}$, LS$^{14}$, OPO$^{+11}$, OPS$^{13}$, ORP$^{14}$, RM$^{14}$, TM$^{19}$].
carcinogenesis
[SCW$^{+11}$].
cardinal
[LD$^{10b}$].
cardiovascular
[MBS$^{+10}$].
cards
[GLB$^{13}$, RPL$^{+14}$].
Carlo
[ZTG$^{14}$, AFIS$^{12}$, ASGLK$^{10}$, AK$^{15}$, ABB$^{+14}$, ASPDL$^{+16}$, AG$^{16}$, Anc$^{10o}$, AK$^{13a}$, AK$^{13b}$, AMJ$^{18}$, BKV$^{16}$, Bar$^{11a}$, Bar$^{12a}$, BD$^{16}$, BVP$^{10}$, BG$^{11}$, BMW$^{14}$, BG$^{13b}$, BLG$^{14}$, Bon$^{15}$, Bon$^{16}$, BHJ$^{+19}$, BMDP$^{19}$, BENK$^{+17}$, CXC$^{+19}$, CL$^{11}$, CZGC$^{19}$, CL$^{15b}$, CKS$^{10}$, CNS$^{+14}$, CI$^{11}$, CK$^{19}$, DSHS$^{17}$, DG$^{11}$, DEM$^{19}$, DP$^{+15}$, Dem$^{11}$, DDKM$^{15}$, DKT$^{14}$, EBD$^{17}$, ES$^{11}$, FGGM$^{11}$, FLE$^{19}$, FW$^{11}$, FDWC$^{12}$, GTPS$^{19}$, GA$^{15}$, Gin$^{10}$, GSB$^{+14}$, GWF$^{+11}$, GB$^{17}$, HKZN$^{17}$, HKZN$^{19}$, HBE$^{10}$, HMR$^{14}$, HP$^{11}$, HWM$^{+15}$, Hua$^{17}$, IUM$^{13}$, JPS$^{10}$, JLA$^{+14}$, JA$^{17}$, KOT$^{12}$, KMO$^{19}$, KEH$^{12}$, Kan$^{14}$, KRW$^{3}$, KC$^{14}$, KKK$^{+17}$, KNS$^{+17}$, KV$^{19}$, KLO$^{+19}$, KSW$^{15}$, KPV$^{19}$, LS$^{14}$, LS$^{15a}$, LS$^{15b}$, LLE$^{+18}$, LW$^{11}$, Lut$^{15}$, MP$^{11}$, MBV$^{+13}$, MRZ$^{10}$, MEM$^{+11}$, MW$^{14}$, MHR$^{+13}$, MMY$^{+19}$, NP$^{11}$, NH$^{16}$, NDSH$^{18}$, NSXZ$^{14}$, NBCL$^{18}$, NM$^{14}$, OPO$^{+11}$, OPS$^{13}$].

Carlo-based
[EBDM$^{17}$, MW$^{14}$].
carlotomat
[Kol$^{14}$].
carlotomat_3.0
[Kol$^{15}$].
carrier
[Buc$^{19}$].
carriers
[MSRL$^{10}$].
Cartesian
[BOGL$^{17}$, BLAS$^{19}$, FZY$^{17}$, MAM$^{14}$, NKS$^{15}$, SDM$^{+12}$, SDS$^{+17}$, SHL$^{+11}$].

Cartesian-grid-based
[FZY$^{17}$].
cascade
[LMAB$^{16}$, SZY$^{+12}$, SZY$^{+13}$, SZM$^{+14}$, TB$^{14}$, ZYL$^{+15}$].
cascaded
[LJD$^{+19}$].
cascades [BTM+17, Fri19, KOT12, RLS16]. case
[Asi10, CMRV+14, Che11, CZ19, FKL13, sLqS+13]. Casimir [AG14].
CASS [FBC+12]. Castep [Rut18]. catalogue [Var16]. cathode [SCNJ18].
Causal [CK18]. CAVE [BBH+10, BBH+15, OK10]. CAVE-CL [BBH+15].
Caveats [CH11b, SYE+18]. cavities
[AG14, BBH+10, BBH+15, CBB14, CdFDS16, VBMP15]. cavity [LLSK17].
CBFM [GMC18]. CCA [FLZ+18, ZXL16, ZZZ+16]. CCD [SL14].
CCOMP [Zou18]. Cd [DSM+11]. CE
[NAQ+16, QYM11, QA13a, SP18b, WZ+11, CHW+15]. CE/SE
[NAQ+16, QYM11, QA13a, SP18b, WZ+11]. Celeris [TL17]. Celestial
[LSJ13]. Cell [BOPL17, DS11a, HZW+16, AM14a, BPB+17, BCP+16,
BDL+19, CH19, CC14, CC15, DBP+18, DG16, GHMB+19, JvOK17,
KKG+15, KHK+11, LJE11, LYJY10, LWRQ16, MKL17, MKU+12, MEM+11,
MTO15, NCB18, OBPL19, PG17, QDZ+13, QL10, RKVL14, SSS+11, SC15,
SC16b, SKK17, Sok13, VS19a, VMFS16, WWC+16, WN10, WQ11, ZLFM11,
CDBM16, CHZ18, DS14, IBP+15, KC18, LKA+16, PMMF15, RD10, SVG10,
SBE+16, VKL11, VLM11, VLL+17]. cell-centered [LWRQ16]. cell-centered
[SC15, SC16b]. cellGPU [Sus17b]. CellMatch [Laz15]. cells
[BTL+17, DJ12, FRG12, HGCARM15, KMS16, Laz15, LH+19, NGCI+12].
CellSim3D [MAW18]. Cellular
[TD11, CRA10, FGC+11, FBG10, JEF14, MAW18, PC11, DG16]. center
[BAR12b, DT18, Nis11]. centered [KCA+15, LRW+15, SC15, SC16b].
CENTORI [KTE+12]. central [DJ11, GST15, QA13b, TYH+15]. centre
[PCGM14]. centric [Sie16]. Centroid [AS16]. Centroidal [JF19].
Cerenkov [LYX+17, YXD+15, YXT+15]. CESE [FXZ+14]. CFD
[CD+15, Hcl16, HJH17, KDM17, LNS+15, LSD18, Sha13a, XAPK14].
CFEL [FBC+12]. Chain
[EBDM17, KSW15, APV10, Lev19, RV10, RV11, UIY11, LN16].
Chain-based [LN16]. chains [BDK11, KS19, Krö19, MNC15]. challenges
[KT12]. Chambers [DAW+19]. Chandrasekhar
[Jab12, Jab13, Jab15, Jab19, MR13]. change [HYM11]. changes
[BSL17, LSD18, ZBM11]. Channel
[KSW15, CCL18, Des16, GCA14a, LLQ19, ZLF11]. channeled
[Aza13, BP12]. channeling [Aza13]. channels
[BEKP19, TXZ15, WW14]. chaos [GBJ+10, GBJ+12, GBJ+13, GFJ+14,
GBF14, MCL+17, GBJ+13, GBJ+15, GBJ+19]. Chaotic [HVP+19,
ADD16a, ADd17, GST14, HLD13, K11, ÖY13, RDN+17, TSS11].
CHAPLIN [BD14]. CHAPLIN-Complex [BD14]. characteristic
[LSD14, MH18]. Characteristics
[TH+16, CSR13, KK13, KFF+16, SZM+14, TK19, SC14].
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, SGM11a, SGM11b, 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, KRK16, KFS$^{+13}$, MF17, NJ18, PCGM14,
SBPD19, SKK11, TAFD19, Une18, Une19, XQ19]. charges [SGDS16].
CHARM [PLRT14]. Chebyshev [DT11a, LD10b, SW14c, Wan16a].
charge/sign [Kap16]. Charge/check [HWW12]. checkerboard [BW12a].
CheckMATE [DDK$^{+17}$, DDK$^{+15}$, KSTR15]. chemical
[BBF$^{+10}$, BO12, BSWC14, DBDP12, GAGW16, LCC13, LSK$^{+14}$, LL12,
MLGVE14, MEG12, dRJL14, PBD$^{+15}$, Pla16, PB16, RH11, SAN18,
SAG13, TM14, TPC16]. chemically [MTE17]. chemistries [YFAT17].
chemistry [CHH$^{+11}$, GHK19, IIO16, KEH12, Sou14, WPAV14, WMI19].
CheMPS2 [WPAV14, WPD$^{+15}$]. Chen [HLD13, ØY13].
CheMPS2 [WPAV14, WPD$^{+15}$]. Cherenkov [GV15].
chi [GST15]. chi-square [GST15].
CHICOM [Gag12a, GHN19]. CHIEF [MJKB18]. chiral [CZ19, GBD10].
CHIWEI [Gag12b, GH18]. choice [DDM14]. Cholesky [LHJZ10].
choosing [GLR17]. Christoffel [JC16]. CI [DKG$^{+14}$, KPST15]. CIF2Cell
[DA16, KGG$^{+16}$, LWZ14, OILK17]. citation [wHwH11]. CL
[BHW$^{+12}$, BBH$^{+15}$]. clarifying [vMB14]. class [BPC12, BPC13, GCHL15,
Kra17, Kra18a, LL12, MNOØ11, SS13b, SCM14]. classes
[rJmYT11]. Classical
[CPHL14, VMFS16, BDJS18, BTM$^{+17}$, CEF16, DT11b, DS13b, GH15,
Gwi12, KO12, MCV18, SKK11, SLR16, SA14, WJCZ18]. classically
[Wil15]. classification [CFSK14]. classifications [sL10]. ClassSTRONG
[CPHL14]. clathrate [MD19]. cleaning [LLQX19]. Clebsch [HR11]. CleGo
[HR11]. climate [DBD$^{+17}$, MW19]. cloning [BS12]. close
[BAK$^{+15}$, BAK$^{+16}$, BAK$^{+17}$, WISA11]. close-coupling
[BAK$^{+15}$, BAK$^{+16}$, BAK$^{+17}$, WISA11]. closed [Faw10, MCA17, SL17].
closed-shell [Faw10, MCA17]. closure [XLCW14]. cloud
[CNS$^{+14}$, JTW$^{+17}$, JVR12, KCN18, VPMVH$^{+17}$]. clouds [APC$^{+14}$, JH11].
CLUMPY [BHN$^{+16}$, HCM19, CCM12]. Cluster
[LX14, PEMS19, Smi14, BTC$^{+17}$, CSPAD10, CGSB18, CZGC19, FLW17,
GTL11, HLIW16, JSLM16, KP12b, KSL$^{+11}$, KO12, KO13, KO14b, Kom15a,
Kom15b, Kom15c, KO16, KZ14, LKM$^{+16}$, MCA17, MTM13, MFLY19,
TKR13, TMS19, XLCW14, ZSW$^{+17b}$, LX14]. cluster-application
[CGSB18]. cluster-cluster [MFILY19, XLCW14]. Cluster-Expansion
[PEMS19]. cluster-labeling [Kom15a]. Cluster-parallelizable
[Smi14]. Clustering
[HPB14, MMK10, DAW$^{+19}$, LLHC11]. clusters [BBF$^{+13}$,
BG13b, BG14a, BLG14, Bon15, Bon16, BRH$^{+16}$, DRR16, DCVB$^{+13}$, GS17b,
GZZ19, Gwi12, KSL$^{+11}$, LLHC11, Law19, LSYZ12, LS17a, RRSC10,
RD10, SKK11, SQL$^{+10}$, VK14, YZZ$^{+17}$, YHL11, YLYL17, ZPS$^{+18}$]. CMBE
[GFJ$^{+14}$]. CMFD [PZL$^{+19}$]. CMIstark [CFSK14]. CN [PYW$^{+14}$].
CN-ICCG-FDTD [PYW$^{+14}$]. Co [CJH11, LQZ$^{+13}$, DS13c, TG11].
coalescence [GCC+18]. Coarse [GB11, AGVP10, AMJ18, ESM17, FPY+17, HJE+19, MNL19, NLB+19, PA13, SM19]. coarse-grained [AMJ18, ESM17, FPY+17, NLB+19, PA13, SM19]. Coarse-graining [GB11, MNL19]. coated [CKLM10]. coating [CDSG11]. Code [GHN19, KUV15, ZCC19, Bab14, BSM13, BNV18, Bar11a, Bar12a, BMU11, BDPM15, BH14a, BW12a, BM16, BRL12, BG13b, BG14a, BLG14, Bon15, Bon16, BF10, CR13, CTT17, CJ12, CCM12, CPR12, CL14, CB16a, CB16b, DCM+12, DET12, DJH19, DGLP10, DBJ11, DP18, DT11b, DT18, DA16, DGS+19, DFM+15, Duf16, ELL+17a, FVH18, FLZ+18, Faw10, Gag+12b, Gag12a, GH18, GLPQ11, GSMK17, Gio18, GC10, GC13, GC16, GC18, GCK19, GHB18, GAB+16, GB+13, HmD16, HBE10, HV15, Hak16, Hak19, HCRD14, HTT14, Hol19, HF16, HHM+15, IBP+15, JuIAM16, 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, LL+15, LDF+16, LMAB16, LRSS19, LR13, LR16, MDW16]. code [MT13, MD19, MGA+13, MGRB11, MRSU14, MTM14, ML17, MW19, MT13, MAM14, MSHLS15, MSHL17, MJKB18, MO14, Nik12b, NMS14, OBPL19, dRL11, dRPL11, Ott13, PVP+11, PBMA+12, PG17, PG10, PVK+14a, PVK+14b, PBL+18, PMU19, RF16, RetVH12, Rv16, Re10, RB18, RWS15, RHB15a, RHB15b, SSB+17, SKB10, SGLN17, SL16, SHW18, SEW12, SEW14, SRS+18, SM14, SHZ13, SQS+16, SD10a, SS11a, SC16a, SC15, SC16b, SHL+11, SCB17b, SF10, SGSG19, SMGK14, TAFD19, Tau10, TVDB15, TRN16, TKL+12, VKP14, VSG17, VPM12, VMGP+19, WLQ+17, WN10, WR16, WEH+19, WSH+12, XAPK14, YLKN17, Zag14, ZD15, ZYL16, ZDD+16, ZZSW19, ZMPT13, vWB10, MZE13, GBJ+10, GBJ+12, OKP10, SKK+19]. CodeSaturne [Sha13a]. codes [BDL+19, BPP11, BFPP12, CYD11, DGS+19, FMRP16, Gio18, HWCdM19, HTJ+16, HL18, ILZ+19, KL15, Kro16, LW14a, L217, LTP16, MHA+12, MNPY14, OLG+16, PMMF15, Rut18, SISW10, Sch18, VLL+17, VKS16, VGM+15, WRS15, XNK+16, YB13, YXD+15]. coding [BBB+17a, CFCB12, FFT+14]. coefficient [BBB17b, IBB18, PR13, PYW+14]. coefficients [ABC+18, ARYT17, BNPPD19, CATK11, DT10, Dev12, HR11, Ixa12, KKS18, LZZL10, LKT+16, MCV18, Moh14, ORCR17, PTK15, Shi16, SMGK19, VCD16, Wei99, Wit14, YÇÖ15]. CoFFEE [NJ18]. CoFlame [EZL+16]. coflow [EZL+16]. coherence [SSM+17]. coherent [BP12, CCXC15]. coincidence [WT12]. COKOSNUT [SCB17b]. collaborative [BDP+18, Liu14]. collapse [BNAB11, KH19]. collective [GLR17, Gio18, WR16]. Collider [BBB+18, CKhN11, EFG+10, BCP13, BDDM18, CFS13, YWW13, BS12]. colliders [AHK+19, BDC+14, BHZ13, CM14b, DDKM15, Gao13a, GLS+13]. colliding [Lit13]. Collier [DDH17]. collision [ART17, BTM+17, BO12, CYD11, HPN18, HDRZ14, MWI+19, NNWS15, RF16, SD10a, WSH+14]. collisional [CXL19, DGS+19, HJ14]. Collisions
[BH14a, BH14b, CUL+17, CKS10, Col14, DCC+10, Gin10, GFJ+14, GBJ+15, HL19c, JH11, KKK+15, KHB14, KHK+11, KNS+17, MEM+11, Nis11, OK12, OK18, SY+12, SHT18, SQS+16, SKK17, Tom16, VC10, VS19b].

**Collocation** [LD10a, LX12, LCCC11, MM10, PDRG10, ZWLZ17, ZST11].

**Colloidal** [TCCV18, BHND16, DGPOR18, HAN+16, HCSW10, MDPTK15, Van15].

**Colloidal colloids** [OOGP19].

**COLONEMA** [Car16].

**colony** [vRWS14].

**color** [HKK11].

**Columbus** [Pit12].

**combination** [LAG+17].

**Combinations** [KCT15].

**Combinatorial** [BR14, DS13c].

**Combined** [BBB+15, BKS15, PEMS19, SCM14].

**Combining** [Laz15, SC16b, SKK17, GWF+16, KPST15].

**ComDMFT** [CSK+19].

**Comment** [BL18a, Mel19, Ma´z19, MLK+19, Ram10].

**Comments** [San15, Hol19, MR13].

**common** [ATA+19, Bar11b, Laz15].

**Commun** [ERS10c, Kra18a, KYKN15a, LR16, Ras17, RC16, RHBB15a, SGM11a, Sco13, SIMGCP14, YQM14].

**communication** [DO14a, KP12b, RSSH+10, SCM13, TIM+16, WLZN17].

**Communications** [Ano16a, MA19, MLK+19, Ram10, Wu10, Ano10a, Ano11b, Ano12a, Ano13a, Ano15a].

**Communicator** [CBGY17].

**communicators** [YKK+19].

**communities** [IBKK11, Kra10].

**commutator** [BCT17].

**commutator-free** [BCT17].

**Compact** [Dua12, IKS19, LS19, MBGK11, BK16a, Cap13, DT10, FFT+14, HZ11, LLK16, ILSZ14, SR12, SA15b, SB11, TY10, Tia11, WZ13, XY12, YTYA17, ZFH14, ZNT15].

**Compactly** [YKK+19].

**Comparative** [HS30, VE12, JTN+11, LHSL14].

**Comparing** [SAN18, Gag12a, GHN19, GVR19].

**Comparison** [CM10b, CDBM16, Fuh15, LY10, WLM14, BR13, CDS13a, CHC+11, CS10, ER19, TBZ12, WG12].

**Comparisons** [ABH+19, CHZ18, DGPW11].

**compatibility** [BS13a].

**compatible** [BHJ+19].

**compensation** [AAJA14].

**comparing** [BSWC14].

**competitive** [Dan11].

**CompHep** [Sta10].

**compilation** [CW13].

**compile** [Vuk12].

**compile-time** [Vuk12].

**compiler** [LWC14, LW16].

**complement** [UKKB19].

**complementarity** [YSLY19].

**Complete** [FBG10, ACD+14b, Boy15, sL10].

**complex** [AQJ10, AC16, BGM+14, BH14b, BH16, BBF+13, BKM11, BH11, BDV11, CAI11, CHDF10, CDL19, CC10b, CC12, CGH+11, DD17, EKK14, FGC+11, FHH+14, GCHL15, GWY+10, HLS12, HM18, J15, JMG+17, KS16a, KH+18, KCS+15, Lit13, LOV10, Ma12, MTV+16, MC16, NMCR15, NLSJ17, Nov17, PHA18, PB16, SGW17, SA15b, SOL11, SOYHDD19, UIY11, UO15b, UO15a, VS18, WZ13, WAHL13, ZMCT12, Zou18, BD14].

**complexation** [HB13].

**complexes** [Faw10].

**complexity** [BHVMH15, YKS11].

**complicated** [AKR15].

**component** [Eba13, Erm18, HLS+17, TZM17, WLM14].

**components** [KCA+15].

**Composite** [ACMM19, CKLM10, KP14, Pra11, Vuk12].

**Composition** [HJ14, SOYHDD19].

**compositional** [FKS+19].

**compositions** [RH11].

**compounds** [BSCW14, DMC+15, LWL16].

**comprehensive**
Compressible [FDZ17, ACM12, BOGL17, HJGL18, HJGL19, PVK+17, SP18b, TFBW14, TCP13, VL19, XD16, YSLY19]. Compressing [HZC19]. Compression [BCC+18]. Compressive [HJL+14]. comprising [PDC14]. compromise [LGW13]. Comput [AZB13, AL17, BBC+17a, BBC+13b, JAS17, MCGR11, NMS14, NFS15, RH11, SWS+12, WWR+16, YFAT17, ASS18, BHNS17, BCP+16, CL15a, Che11, CRC+13, Fri19, GBSY18, GBS+16a, HWcD17, JOR+12, LFKD18, LHH+15, LLX14a, MWI+19, MMC10, MCP10, Mü14c, NMCR15, 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, HKS10, MKR+12, Naz12, NOR15, Wie15, YRR13, ZFZ19, dALM+12]. compute [BH11, Boy15, HHP+14, PB16, RLS16, RW11, SSG+10, SSG+18, TZM17, VB19, Wei11a, ZSW19]. computed [FWS+17, MH18, SBvD13].


Computing [ÄSTT16, ADF+15, BBC+11, Gio14a, LSG+12, RE19, TCP13, Vit9, Wai12, YE14a, ARAB+17, ARYT17, ABDR17, Ara14a, Ara14b, BHV+12, CR13, CLC14, CKh11, CSR13, CL15b, ÇÖSÜ11, CRB+17, CNS+14, Dan10a, Dan10b, Dan11, DMC+15, DGST17, Eini6a, FBN+13, GXF+15, GLHR19, GST12, Ghld10, GCVA14a, GCVA14b, HCH16, JTP15, JVR12, KDP+14, KO14b, KO16, KK17, LR18a, LR18b, Lee18, LS17b, NFS15, PN13, PG10, Qia10, SDS15, Sha13a, TKP15, TACA15, TGH+16, XZ16b, Y17b].
VPMVH$^{+17}$, WX$^{14}$, WGVPL$^{17}$, YK$^{18}$]. **CONAN** [LKT$^{+16}$].

concentrated [BE$^{14}$]. concentrations [Buc$^{19}$, DMC$^{+15}$]. concept [Vuk$^{12}$].

concise [KKG$^{+15}$]. concurrency [Dan$^{11}$]. Concurrent [Hah$^{16}$, HWT$^{10}$].

condensate [VBMS$^{17}$]. condensates [CCW$^{10}$, GM$^{14}$, Hoh$^{14a}$, JWC$^{13}$, JWL$^{13}$, KLM$^{+19}$, MT$^{13}$, TZM$^{17}$, WX$^{11}$, WX$^{14}$]. condensation [Ker$^{17}$, LCCC$^{11}$].

condensed [Jab$^{17}$, MKB$^{+11}$, ONS$^{+15}$, SBH$^{+14}$].

**condition** [PN$^{15}$, STA$^{18}$, SCN$^{18}$, WLU$^{11}$]. **Conditions** [KFF$^{+16}$, KPPC$^{13}$, BMHP$^{17}$, CCHL$^{11}$, DGG$^{13}$, EY$^{11}$, FJK$^{+17}$, HSD$^{17}$, JYPA$^{18}$, Jiw$^{15b}$, LWZ$^{14}$, LLL$^{12}$, LHVL$^{16}$, LS$^{13}$, MD$^{11a}$, MRL$^{18}$, MRVF$^{13}$, Mil$^{16}$, NPM$^{16}$, PLCC$^{12}$, Qia$^{17}$, QHC$^{+10}$, RC$^{13}$, RC$^{16}$, RHH$^{12}$, RTA$^{10}$, SP$^{18a}$, SN$^{16}$, Uty$^{14}$, Wan$^{16}$, Wil$^{19}$, vdS$^{13}$].

**conductance** [SPMM$^{11}$]. conductances [TXZL$^{15}$].

conducting [JPK$^{+12}$, Qia$^{16}$, RBG$^{+19}$, SKML$^{11}$].

conduction [CAN$^{11}$, HWS$^{16}$, MLS$^{10}$, iSYS$^{12}$, SN$^{16}$]. conduction-radiation [CAN$^{11}$].

conductivity [AWK$^{+16}$, CKT$^{17}$, FSH$^{13}$, KST$^{+14b}$]. cone [Hal$^{17}$]. Confidence [Zlo$^{14}$, SC$^{14}$]. **Configuration** [Kra$^{17}$, Kra$^{18a}$, UFKB$^{19}$, BSC$^{+13}$, CF$^{16}$, Gar$^{19}$, GBSY$^{18}$, KGG$^{+16}$, KPST$^{15}$, QZWU$^{19}$, RE$^{12}$, SAY$^{+18}$].

**configurations** [BPS$^{+16}$, CB$^{13a}$, Gwi$^{12}$, MCP$^{+11}$, SKK$^{11}$]. confined [LKT$^{+16}$, MSRL$^{10}$, RS$^{12}$, RAV$^{11}$, SNGL$^{17}$, SNB$^{11}$, SCM$^{+16}$, vdS$^{10}$].

confined [Den$^{10}$, GBJ$^{+19}$, HJL$^{+14}$, LLQX$^{19}$, LHJ$^{+15}$, LZ$^{17}$, MJ$^{+10}$, RV$^{11}$, ZHCR$^{18}$]. conformational [LOK$^{+16}$, JKG$^{+18}$].

form [WCC$^{+16}$, ZDW$^{17}$].

**consideration** [WTH$^{15}$]. considerations [WLU$^{11}$, dSFdFF$^{13}$].

considering [GLAC$^{13}$]. consist [Faw$^{10}$]. consistency [Sit$^{18}$, SHNM$^{11}$, SIMGCP$^{13}$, SIMGCP$^{14}$]. Consistent [MNC$^{15}$, Buc$^{19}$, CDTV$^{10}$, CCGC$^{13}$, DR$^{12}$, Erm$^{18}$, KOK$^{17}$, NPVR$^{14}$, Pit$^{12}$, SEW$^{12}$, SEW$^{14}$, XNK$^{+16}$].

constant [CLHL$^{19}$, DT$^{10}$, KA$^{17}$, Moh$^{14}$, SHI$^{12a}$].

**constraints** [AKK$^{+18}$, NPAG$^{11}$]. construct [Ray$^{10}$]. Constructing [CSP$^{+19}$, RU$^{13}$, SOJ$^{14}$, VSG$^{18}$]. **Construction** [DIP$^{11}$, ACMM$^{19}$, ART$^{17}$, FG$^{13}$, GAGW$^{16}$, OWS$^{+14}$, RC$^{11}$].

Constructive [HH$^{11b}$]. contact [BG$^{13a}$, CCL$^{18}$, EVB$^{14}$, Gao$^{13a}$, NFD$^{+19}$, OL$^{12}$, TTG$^{11}$, dSdO$^{12}$].

continuation [CCW10, JWC13, KH19, KSW12, LLG17, TGUV+19, YOM+19].

Continuous [GMRHRCME13, GMPFC+14, GWF+11, GLW14, SGW17, BR13, Bis15, BVC13, CM10a, CXG+19, FGC+11, HWG13, HW+15, Hua17, IW15, PBS+17, SKFP16, SLLP17, WRF+15, WL+13, YWOD19].

continuous-angle [SLLP17]. continuous-energy [WRFS15].

Continuous-time [GWG+11, GWG+12, HW+15, Hua17, IW15, PBS+17, SKFP16, YWOD19].

continuous [GMRHRCME13, GMPFC+14, GWG+11, HW+15, Hua17, IW15, PBS+17, SKFP16, YWOD19].

contracts [AC13]. contraction [DE13, PGO+17].

Contributions [TW11, Pat12]. control [BM13, CAN+11, CCL+16, CB16a, FBHB+17, FR15, HRC11, Hoh14a, HK+11, KSW12, KSYY13, MS14, MLEM+19, MD10b, MGFRG12, OK10, SH+18, SJH+19, SCB17b, SCM+18, VPMV17, vWB10].

control-variate [KHK+11, MS14]. controlled [Exl17, HST+11, Pla+16].

Controlling [LY+17, CB15d, KSH14, PEMS+19, RBG+19].

Conversion [TW11, Pat12]. Convert [BM13, CAN+11, CCL+16, CB16a, FBHB+17, FR15, HRC11, Hoh14a, HK+11, KSW12, KSYY13, MS14, MLEM+19, MD10b, MGFRG12, OK10, SH+18, SJH+19, SCB17b, SCM+18, VPMV17, vWB10].

convex [LHG+18, LHG+19, RLL12].

convex-roof [RLL12].

Convolution [MCP+11, Bot11, Qia10].

convolutional [HZC+19, LZZL10].

convolutions [HH+14].

cooling [Gre18].

coordinate [BMNS+14, FGLB12, HO13, LDR+17, OK14, RVDS+16, RDVS18, SM13, SCM+17, SCG+19, HSD17].

coordinates [AV+13, BLAS+19, DXY+19, GHMB+19, HF16, NKS+15, PM16].

coprocessor [MSS+14].

coprocessors [SH+16, SAN+18, SBE+16].

copy [JPH+14].

Core [NBW16, ALC+18, AZM14, ACTP15, BNAB+11, CND11, ELDS+14, Erm18, FLSZ+13, FBN+13, GAC+17, GVS+15, HWT+10, LH+12, MW19, MNPY14, RC+16, RB18, RJK+16, TRM+12, TDL+14, ZLZ19].

core-collapse [BNAB+11].

core-excitations [GVS+15].

core-level [MPY14].

core-shell [APT+15].

corr3p_tr [EKO16].

Correct [WHB16].

Corrected [BPC+13, Cip13, BGM+14, HWW12, HM17, JOR+12, KKS+18, SO19].

Corrected [Cip13, Cip13, BGM+14, HWW12, HM17, JOR+12, KKS+18, SO19].

Corrected [Cip13, Cip13, BGM+14, HWW12, HM17, JOR+12, KKS+18, SO19].

Corrected [Cip13, Cip13, BGM+14, HWW12, HM17, JOR+12, KKS+18, SO19].

Corrected [Cip13, Cip13, BGM+14, HWW12, HM17, JOR+12, KKS+18, SO19].

Corrected [Cip13, Cip13, BGM+14, HWW12, HM17, JOR+12, KKS+18, SO19].

Corrected [Cip13, Cip13, BGM+14, HWW12, HM17, JOR+12, KKS+18, SO19].

Corrected [Cip13, Cip13, BGM+14, HWW12, HM17, JOR+12, KKS+18, SO19].

Corrected [Cip13, Cip13, BGM+14, HWW12, HM17, JOR+12, KKS+18, SO19].

Corrected [Cip13, Cip13, BGM+14, HWW12, HM17, JOR+12, KKS+18, SO19].

Corrected [Cip13, Cip13, BGM+14, HWW12, HM17, JOR+12, KKS+18, SO19].

Corrected [Cip13, Cip13, BGM+14, HWW12, HM17, JOR+12, KKS+18, SO19].

Corrected [Cip13, Cip13, BGM+14, HWW12, HM17, JOR+12, KKS+18, SO19].

Corrected [Cip13, Cip13, BGM+14, HWW12, HM17, JOR+12, KKS+18, SO19].

Corrected [Cip13, Cip13, BGM+14, HWW12, HM17, JOR+12, KKS+18, SO19].

Corrected [Cip13, Cip13, BGM+14, HWW12, HM17, JOR+12, KKS+18, SO19].

Corrected [Cip13, Cip13, BGM+14, HWW12, HM17, JOR+12, KKS+18, SO19].

Corrected [Cip13, Cip13, BGM+14, HWW12, HM17, JOR+12, KKS+18, SO19].

Corrected [Cip13, Cip13, BGM+14, HWW12, HM17, JOR+12, KKS+18, SO19].

Corrected [Cip13, Cip13, BGM+14, HWW12, HM17, JOR+12, KKS+18, SO19].
correlations [DBB12, CLKK11, GTK+19a, KÖG17, MBGV15, RE19, iT11, WT12, YK12].
Corrigendum [AZ17a, Beri16a, KYKN15a, Kra18a, LR16, Ras17, RC16, RHBH15a, YQM14, ZTG14, Sco13].
Correlations [DBB12, CLKK11, GTK+19a, KÖG17, MBGV15, RE19, iT11, WT12, YK12].
Correlators [DE13, Nem16].
Correspondence [GLX+14]. Corresponding [GCVA14a].
Correspondence [DE13, Nem16]. Correlation [GLX+14]. Corresponding [GCVA14a].
Corrections [AZ17a, Beri16a, KYKN15a, Kra18a, LR16, Ras17, RC16, RHBH15a, YQM14, ZTG14, Sco13].
Correlation [ZFR11].
CORSIKA [BG14b].
Coulomb [EUT+15, GH11, HK15, JZZ+19, LB13, MC16, MSRL10, Nis11, PH11, RZ19, RGKR17, Sar17a, Sar17b, SHT18, SV13, XD13, XHD15, ZHPS10].
Coulomb-distorted [HK15].
Coulomb-screened [GH11].
COSMO [Asl14].
Cosmological [CMRVVR+14, ABB+19, Sai10, Wai12].
Cosmologies [Arb12].
Cosmology [Asl14].
CosmoTransitions [Wai12].
Cost [HJH17, ATA+19, KL14].
Coulomb [EUT+15, GH11, HK15, JZZ+19, LB13, MC16, MSRL10, Nis11, PH11, RZ19, RGKR17, Sar17a, Sar17b, SHT18, SV13, XD13, XHD15, ZHPS10].
Coulomb-distorted [HK15].
Counterexamples [YE14a]. Counterterms [SV12].
Counting [Kan18, Liu15a, GdGB+18, GES13, SBB13]. COUNTLOSS [Car16].
COUP [KKSY18].
Coulomb [EUT+15, GH11, HK15, JZZ+19, LB13, MC16, MSRL10, Nis11, PH11, RZ19, RGKR17, Sar17a, Sar17b, SHT18, SV13, XD13, XHD15, ZHPS10].
Coulomb-distorted [HK15].
Coupled [AV13, BS14a, CZS10, CZL+11, DT11a, DN13, DJH13, Des16, DGMZ15, EEGW12, FBHB17, FCCTFR18, GMHZ19, GCV14a, HWCH11, KGFS18, KP14, LWL12, MCA17, MZE13, PG017, QSC14, SBL16, TK19, TPC16, WX10, YS17, ZMPT13]. Coupled-channel [Des16, GCV14a].
Coupled-cluster [MCA17].
Coupled-wave [CZL+11].
Coupling [DRI+16, KST14a, SCNJ18, BAK+15, BAK+16, BAK+17, CL14, FLSZ13, FH017, KA17, KVW11, LSK+14, MKL17, NGM+10, PMVG16, Pre18, Sch14a, SS12, TD17, WISA11, WX11, WNP17, WLGY18, Wei99, YLL+19, ZCC19, Erm18]. Couplings [AGH+16, AC16, KKS18].
Covalent [HXW+13].
Covariant [BS12].
Cover [Ano16m].
Cowan [Kra18a, Kra17].
CP [CRC+13, LCE+13, PS12, RCD+10, Ros15]. CP-phases [PS12].
CPC [WEI11a].
CPMC [NSXZ14].
CPMC-Lab [NSXZ14].
CPPPO [MGR16].
CPSuperH2.3 [LCE+13].
CPU [BPP11, DCGG13, ELDS14, FBN+13, FOB+15, LSYZ12, Lyal15, MDW16, MPM14, WC13].
CPU/GPU [LSYZ12].
CPUs [AEK018, BS14a, ÖN12, RK19, SAN18].
CR [AANAJ12, BTM+17].
CR-39 [AANAJ12].
Crank [BB10, CWS14].
CrasyDSE [HM12b].
Create [KSTR15].
Creation [DEW16, Krö19].
Criteria [AG12a].
Criterion [HFSK12, SK10].
Critic [dlRJL14].
Critical [CND11, CM10a, Fri10, OML11, XZF12].
Cross [CPW17, SJY18, ALL+11, ASEA14, BPC12, BS13b, BHS15, CYD11, CFW17, Cip11, Cip13, CM14b, DHS14, DLM18, Gao13a, GLS+13, Koll14, Lit13, LWJV18, OILK17, PDL+18, SGAA18, Shi16, VCI0, vds13].
Cross-machine [CFW17].
Cross-platform [CPW17, SJY18, LWJV18].
Cross-section [CYD11, CM14b, OILK17, vds13].
Cross-sections [Lit13].
Crossed [BDGG19].
Crosswell [CL15a].
Crowd [GK11].
Crowded [BJ11].
Cruncher [LKT+16].
CRunDec [HS18, SS12].
Crystal [AZ17a, AZ17b, AFZ17, AFZ18, ATCZ19, Aza13, BP12, Bab14, BK13a, BBO19, FLA+16, FBP+14, HWCH11, HLTW19, KMJS16, LLSK17, Liu14,

D [BL18a, JCL18, LBP15, RPB15, RHBH15a, TGH16, WNPY17, WRBL19, AV13, AM19, AGMS15, APC14, BBC11, BBB17b, BAR12b, BVP10, CP15a, CPCDm18, CC14, CdLOL19, DG13, EW14a, FLZ18, Fan19, FJK17, FK12, FRFH10, GS15, Gai17, GIo4a, Giu19, GG16, GAB16, GGF13, GX15, GCA14b, Gwi12, HKJ12, Htt13, HTT14, HDM12, fxa10, JEC12, JCL18, JKIS16, KAK12, KL11, KO14b, KO16, KMJS16, LHZJ10, LHC13, LX14, LW11, MGL13, MGO13, MCF11, NH16, NCB18, PR10, PGM14, Qia17, RKVL14, RF15, RS12, RAV11, RJLL16, RBH15b, SBH14, SW14b, SP18a, SA15b, SKK11, SW11, TMA15, TY10, TKL12, TIM16, TPC16, VMGP19, VML11, WNPY17, WMRR17, WRR19, YKK19, YLKN17, YTYA17, ZXL16, ZZZ16, ZSW17a, ZFR18, SW14a]. D-3V [CC14]. D-FFT [YKK19]. D/ [JCL18]. Dalitz [BGH18]. dam [YS17]. damage [MBRV13]. damped [DZ13, Eba13]. damped-relaxation [Eba13]. damping [MD11a, SS11a]. DAMQT [LRR15, LRR17].
KBSP19, KSYY13, Liu15a, LW13, LS11, LRR+15, LRR+17, MGRB11, MOB12, MSS+16, Mi16, MNPY14, MC17, NPAD11, NBN+14, OOK+12, OT11, QJF16, RHC15, RHC16, RGH10, RWKS15, SH12a, SCRS17, SSX14, SBH+12, SAHP15, SA14, TVGB15, VBS+17, VSG18, VvAV+11b, VvAV+11a, WLYG18, Wit14, WPV14, XLL15, XNK+16, YKK+19, YLYL17, YRR13, BC10, DBB12, GS17, MGRB11, MOB12, MSS+16, Mil16, MNPY14, MC17, NPAD11, NBN+14, OOK+12, OT11, QJF16, RHC15, RHC16, RGH10, RWKS15, SH12a, SCRS17, SSX14, SBH+12, SAHP15, SA14, TVGB15, VBS+17, VSG18, VvAV+11b, VvAV+11a, WLYG18, Wit14, WPV14, XLL15, XNK+16, YKK+19, YLYL17, YRR13, BC10, DBB12, GS17b, LT15]. density-based [SSX14].

density-functional [GBR+14, MGRB11, MC17, SCRS17, SA14, TVGB15]. DensToolKit [SAHP15]. dependence [Ma´z19, ML14, MLK+17, MH18, IBB18, Ixa12, JL19, Ker17, KBSP19, KTA12, KYSV+15, LV14, LBB+16, LYSS+16, MC16, MGRB11, MGL16, MC17, NPM16, ON12, PR13, PM16, RVD16, RDVS18, SSB+16, SHZ13, SSH+13, SLC11, SBH+12, SCB17b, Ste17, TC11b, TVGB15, TT11, UW12, VBS+17, VV+12, WL11b, XJS16, YSVM+16, YSMA+17, ZHC18, ZYZ19, ZKS13, dSF18, vH18]. depending [EY11].
depinning [SLZ16]. deployment [HKK11].


description [¨US18, DCM+12, DPK+15, DOP17, DSLP11, MNC15, TKP15]. Design [CFCB12, Fri14b, Dan12, LOK+16, ML14, NFA+16, NVAFO18, TUY15, SAA+10]. Designed [UO15a, DLW+18, MCA+14]. Designed-walk [UO15a]. DESOLVII [VJC12].
determinantal [Zou18]. determinants [USO13]. determination [BR13, BHVMH15, JK13, JMG+17, KKCC19, MD+10b, SBB+17, Ver16, VvAV+11b, WG16a]. determinations [BCH17]. determine [BG19b, BMF+19, BSWC14, MD19]. determined [Buc19, RU13].

determining [ACDdM14, VdLF14, MC10]. Deterministic [UO15b, ALC18, Asi10, BL18b, GLJB12, TGZ12, ZTG13, ZTG14].

deterministic/stochastic [GJL12]. detonations [MTE17].
detuning [CdFDS16]. Development [Dan10a, Dan10b, GdGB+18, HF16, HCHW11, KYKN+15a, KYKN+15b, KKO19, LH+12b, OILK17, QLN14, SCLR16, SYD17, Sit14a, Sit14b, SH+11, YLKN17, YS17, ZKG+18, BBB+19, DBMR18, Gio14b, HvAS+13, HVMR10, HKVR10, RK11, Sch18, Uty14]. developments [GJA+16, LOSZ13, SAW18, SOM6a]. deviates [AM14a].
device [CDG11]. devices [ASGL10, AK15, AGB+15, BKA+14, HEF+11,


diagonal [MKV11, OILK17]. Diagonalisation [Chr18]. diagram [BDGG19, GBP13, Liu15b, MS11, XWhZ13, XV15, dALM+12]. diagrams [ADT+19, BLS17, Ell17b, YdDH+12]. dialog [Zlo13].

diff [TACA15]. Difference [Wil19, AAD13, ACTP15, BMNS14, CW16, DLT10, DM17, DJ12, DSP10, FNMB10, GS17b, GS17a, GA10, GB14, GMHZ19, HE13, Hsu11b, HZ11, JK19, JLM18, Kob13, LD10a, LV15, LLXK16, LHY+17, MSS+16, MBFD12, ICD13, ON14, OWS+14, Ram14, RC13, RC16, SP16, TT14, Ter17, TMA+15, TYH+15, TCP13, VLPPM14, VDB14, VV16, WZ13, Wit14, XYK12, YXT+15, YTYA17, YM12, YM14, MCM+12].

difference-collocation [LD10a]. difference-FFT [YXT+15].

differencing [PTMDPK14]. different [BEKP19, CDS13a, DN13, EMW19, GVR19, MJB11, TRM+12, XLX+15].

Differential [BKK13, BKM14, BK15, BK16b, DSW15b, PLS12, AVP10, AEngineering M12a, AdDM14, ACDm15, AdDm15, ACDm19, CJJ+17, DHT13, DdMN16, DGST17, DSP15, FSJ+16, FBHB17, FF11, GJ14, GM17, GCV14a, HJ14, IH11, Jan10, JK10, JC13, JC14, JPM12, Jiwi15b, KD17, KBSP12, Kra10, Lev19, LLL12, LLL13, sL10, MJB+10, MZE13, NO12, Ras9, Ras17, RB15, VBC+12, VJC12, WYSW10, WY15].


diffraction [APV10, ADdM12a, AdDM14, ACDm15, AdDm15, ACDm19, CJJ+17, DHT13, DdMN16, DGST17, DSP15, FSJ+16, FBHB17, FF11, GJ14, GM17, GCV14a, HJ14, IH11, Jan10, JK10, JC13, JC14, JPM12, Jiwi15b, KD17, KBSP12, Kra10, Lev19, LLL12, LLL13, sL10, MJB+10, MZE13, NO12, Ras9, Ras17, RB15, VBC+12, VJC12, WYSW10, WY15].


diffusive
[ACMM10, ACML11, ACM12, WJHW14]. **digital**

[JTP15, DMH16, ZSW+17a]. **DigitalMicrograph** [SLW19a]. **digitized**

[KME+11]. **dilute** [WZS+11]. **diluted** [SFP11]. **dim** [GMF+17]. **dimension**

[ADdM+12b, BNAB11, Ein16a, EGPS10, GFF+10, GGF+13, JWC18, LXR+18, LKT+16, RU13]. **dimensional**

[AG14, ASS13, AH13, BT17a, BDP16, BC11, CZD15, Cap13, CAN11, CZ18b, CS16, CJIH11, CJIJ12, CC15, CW16, CHC+11, CC10b, CC12, CR12, CvW12a, CvW12b, CHZ18, Dan14, Dan16, Dan17, Dan19, DG10b, DS11b, DM17, DS13c, Dua10, DO14a, DO14b, FFT+14, Fen12b, dAFdSVM12, Fil13, GTPWL12, HHC+10, HLW16, HLTW19, HCSW10, JEPF14, JWCW17, JPM12, Kap12b, KHB14, KS16a, KKP11, KP12b, KYKN15a, KYKN15b, KH12, KO12, KS12, KR15, KKO19, KMA+12, LJSW11, LLSK17, LWL12, LST15, LLXK16, LCQF18, LHH+12b, LJZ+18, LLX14b, LR13, LR16, MWH19, MEM+11, MKR+12, MSZW11, MNPF17, Mdl14a, Naz12, NAQ16, PBE14, QA13a, Qia16, QLE16, QSB19, RtV16, Rei11, Rei12, RHC15, RCH16, RCH19, RGK17, RKW15, SFP11, SÖÖN11, SCLW16, SLR16, SDJ+12, SJW10, TD14, TT14, VK14, WC10, WWC+16]. **dimensional**

[WvSL13, XZF12, XZ12, YWX11, ZFH14, ZYZ15]. **dimensionality** [BH17]. **dimensions** [BDDM18, Chr18, DMC10, DKOS14, Exl17, KAvdL11, LA13, MALK18, TSIM16, dSdO12]. **dimer** [Ots11]. **diminish** [MKU+12]. **diodes** [YN1+14]. **dipolar**

[KYSV+15, LBB+16, LVS+16, MLEM19, TZM17]. **dipole**

[HMU10, HRC11, RE12, SGDS16, Tan19, TU14, vWB10]. **dipole-dipole**

[Tan19]. **Dirac**

[MD16, MFS10b, AL17, BB15, BW12b, BBF+10, CPV13, FGLB12, HP14, KCT15, PB16, STK10, SFV19, SP16, Sta13, TKS10, TKS19, ZF16, dH1V10]. **DiracSolver** [TKS19]. **Direct**

[LLZ+17, SKH+10, Wei11a, BCM+16, CDS13a, GJ13, LOK+16, LSK+13, ML16, OP12, SKK+19, WBS+18, WAW14]. **direct-drive** [SKK+19]. **Direct-MPI** [WAW14]. **direct-sum** [GJ13]. **directed**

[FPL10, QHC+10, dSL13]. **direction**

[LST15, LSK+13, MRL18, NO14, TT14, XYK12, XZ12]. **directional**

[TJ19]. **directions** [Hal17]. **directive** [BCG+15]. **directive-based** [BCG+15]. **directly** [Kon11, Sco13]. **DIRHB** [NPVR14]. **Dirichlet**

[RC16, HSD17, Ji15b, RC13, RHH12]. **disaggregation** [Bis15]. **disc** [Lan13]. **discharge** [CHR+11, LHH+12a, UBR10]. **discharges**

[FK12, HCHW11, KRB15, KSYY13, MRL18, SVG10, SBL16]. **disciplinary**

[WSH+12]. **Disconnected** [BWM19, ACD+14a, BCS10]. **discontinuities** [DR12]. **Discontinuous** [SV19, EW14a, Ein16a, HLLH16, HWS16, LLP15, LLMW17, Maz13, QWZW18, WP10b, YWX11]. **discovery** [LCRL10]. **discrepancy** [VD+12]. **Discrete**

[CR12, EW16, ZXZ+19, AGMS15, ELDS14, GMRHRCME13, GMPFC+14, GJHF14, KV10b, Law19, LCH11, LYL+17, MD10a, NMS14, RTAT15, SL17, SWL+15, Sza13b, Sza13a, Sza16, ZAH10, EW14b, EEWG12].

disks [TACA15]. dislocation [DZ15, MTS+16, Pei18, ZLZ19].

dislocation-simulation [Pei18]. dislocations [PE17]. Disorder [CZGC19, ABCM14, TKP12]. Disorder-based [CZGC19]. disordered [CLJ12, CRNK12, CZN14, Dan10a, Dan10b, JA17, LYL11].

disordered [CLJ12, CRNK12, CZN14, Dan10a, Dan10b, JA17, LYL11].

distances [Raw15]. distant [Ste17].

distant-dependent [Ste17]. Distinct [Cro16]. distorted [Bad11, GRLS18, HK15].

Distributed [G HdF10, AM14a, BKS15, CL15b, GB11, GBS+16a, IW15, MV11, OLG+16, SOJ14, WMK11, WC13, WAW14, YG12, RPb+15].

Distribution [CGO17, AMR15, Ber14, BDBV12, CMR17, DCC+10, DSM+11, DRR15, FSF11, FP14, FCC15, Fk17, GST15, HEF+11, wHwH11, LSF14, LSDD14, LN16, MST+18, PN15, PM13, Ram10, SLW19b, SS11a, SS16, VklM11, Yan09]. distributions [BT17b, BMF+19, ECSH16, PDC14, Pos18, VSG18, WCT11].

distincting [Cho11]. Disturbance [HJGL18, HJGL19]. divergent [Fen12b, dDYK+18].

diverging [LNP+17]. diverse [JGP+18]. divide [PA13].

distribute-and-conquer [PA13]. division [MAW18]. DMRG [Alv12, WPp+15].

DMTDHF [YZ15]. DNA [BS15+13, DKV+15, KSH11, MV1+16, SVA12]. DNA-radiation [BSC+13].

DNAD [YB13]. DnaFabric [MVI+16]. DNS [APC+14]. DNSLab [VK16].

docking [BGHN19]. documentation [DPN+12, DPW16, KLV15]. doing [GLMG12].

Domain [BS15a, IBP+15, ASPW13, APC+14, BS15b, BNO17, CKS+19, CW16, DO14b, EDPZ19, Frg12, Fnpmb10, HJH17, He13, HC16, HC17, HkvH16, Hsu11b, JLM18, Ju17, Kap12b, LLQX19, MRL18, MBFD12, ICD13, MCL+17, Oti13, QL10, Ram14, Sgm18, Svv19, So19, Sw12b, TD14, Tt14, Vdb12, Wy19, ZL13, ZHC16, Hkf+12, MCM+12, Wll19].

domain-decomposition [MRL18]. domains [Bot13, DS13a, GmhZ19, JYPA18, Ksw12, Ook+12, Snn11, Sk15]. dominated [Kau13]. dopant [LCh11, SD14].


dosimetry [ACdS13]. dot [BMNS14, CL10, KPK+17, YÇÔ15, ZHC16]. dots
[Den10, GWL+17]. **double**
[CWW10, GC10, GC13, GC16, GC18, GCK19, MD10a, Ram14, TTG11].
**double-dispersive** [Ram14]. **Doublet** [Ore19, ERS10c, ERS10a, ERS10b].
**doubling** [CL15b, FGLB12]. **Doubly** [GH11, SEW12, SEW14, WW13].
**DPD** [MDPTK15, PTMDPK14, SH12a]. **DPM** [RB18].
**dr** [OTC14]. **DRA** [LM16].
**drag** [RC15]. **drainage** [GTSL+13]. **DRED** [SV12].
**DREG** [SV12].
**Drift** [DOP17, CEPr18, DJ12, EVS14, SISW10, SO19, XYM+13].
**Drift-Asymptotic** [DOP17]. **drift-diffusion** [DJ12]. **drift-kinetic** [CEP18, EVS14, SISW10].
**drive** [MTM14, SKK+19]. **Driven** [Dan10a, Dan10b, BJBC+14, CZ18b, CHC+11, De11, GTL11, GAB+16,
Hin11, HJL+14, IBKK11, LDW13, LHJ+15, MvH12, MS11, HHF12,
RTT+18, VPM12]. **driving** [BNAB11, THDH14].
**droplet** [MLEM19, Tom16].
**droplets** [APC+14].
**drosophila** [SLC11].
**Drude** [HLW16].
**DSAM** [SLLP17].
**dsDNA** [AGVP10].
**DSMC** [JvOK17, OCF10, TKL+12].
**dsmcFoam** [WBS+18].
**Dual** [Gar19, CBGY17, DG10a, LCQF18, VvAV+11b, YB13].
**dual-level** [LCQF18].
**DualSPHysics** [CDR+12, VDA+19].
**duct** [ZNT15].
**due** [Cip13, Eme11, TW11, XYM+13].
**dugsFoam** [ZCG17].
**Duo** [YLTS16].
**Dubio** [LZ12].
**Duc** [HCRD14].
**DVC1** [Gar19].
**Dyck** [Brá15].
**dye** [HG13].
**Dynamic** [ALS16, Bar12a, DSHS17, FRG12, SJ17, SUS+17a, SKSK13, AGMS15,
Bar11a, BS15b, CD12, DF11a, DGMZ15, EDPZ19, HST+11, JFHA19,
JOR+12, Krö19, KH19, PE15, Sus17b, Sva12].
**Dynamical** [KLKR11, LLHC11, AG14, AddM+12b, ACDdM14, BVC13, BG11, CZ18b,
CZ19, Dan11, DT11b, Er14, GTK+19a, KP12a, KS19, Ki11, LS16, LMB16,
MW19, TTS11, WHG+19, Wie8].
**dynamically** [CFCB12].
**Dynamics** [AS16, AD15, DDR15, wHwH11, JvBM15, MDPTK15, Ngu17, NLB+19,
SBP15, TD17, WWR+16, ADD+11, ASPW13, ABB13, BS14b, Bar11a,
Bar12a, BHS18, BBV+19, BML12, Bin13, BTL+17, BG14a, BVSG19,
BWPT11, BKT12, BY13, BCG+15, BBV+16, BMDP19, BENK+17, CTT17,
CMM14, CLLK11, CXH+15, CS10, CH11b, DCM+12, Dat13, DLGP10,
DEW16, DT11b, DHR14, DS13b, ENEO15, ER19, ESM17, FSH13, FCV17,
FRG12, Fil14, FJ19, Fu19b, FFIH11, GKI1, GM11, Gio14b, GLR17,
GNA+15, GAHP15, GTS14, GH15, HWCD19, Has11, HST+11, HL19a,
HRC11, HG13, HYM11, HWX+13, HLZ+13, HPN18, HBB+17, HWL+17,
HM10, HM17, HDM+12, JWL13, JPH+14, JNN12, JNN13, JSLM16, JKIS16,
KSTP14a, KKCC19, KPA+19, KDM11, Kon11, KK17, KKO19, KS15,
KCS+15, KR14, KH19, KSY17, LGW13, Leéd, LS12b, LHZ11].
**dynamics** [LK15, LLZ+17, LBR+18, LSK+14, LDF+16, LS17a, MDW16, MIW+13,
MDPTTC17, MM17, MTSI11, Min11, MNC15, MKB+11, MSH11, NBM+15,
NBW16, NPAG11, NP19, iNSK+15, ÖKC11, OKM12, OYK+14, PR14,
PLCC12, QL10, QLE16, RC15, Rap11, RFS18, RBB15, SV14, SGM18,
SBH+14, SL17, SH18, Sco13, SCR17, SOM+13, SMO16b, SKM15, SYE+18,
SAG13, SJY18, TM19, TK14a, TZZ17, Tan19, TSTT13, TL19, TS11,
WJCZ18, WC10, WX11, WXW13, WXW14, WZHE18, WSI13, WSH+14, XQ19, YW17, YHCS11, YLQ+17, YK12, Zag14, ZZHG18, ZS13, Zhe15, ZPvR16, 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]. EasyFeynDiag [CTT17].

E6Tensors [Dep17].

Ecom [LC15]. ECPSRR [BPC12, Cip11]. ECR [MTM14].

ECsim [GHBL18, GHMB+19]. ECsim-CYL [GHMB+19].

eddy [MRL19, TIMM13]. edge [BMU11, CCLL18, FRFH10, FR15, LDR+17, SCB+17a, SPY11, ZDWM17, ZFR18]. edge-based [CCLL18].

Editor [Sco13].

Editorial

[Ano18e, Ano18j, Sco16, 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, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15m, Ano15n, Ano15p, Ano15q, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano16k, Ano16l, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i, Ano17j].

Editorial

[Ano17k, Ano17l, Ano18a, Ano18b, Ano18c, Ano18d, Ano18f, Ano18g, Ano18h, Ano18i, Ano18j, Ano19b, Ano19c, Ano19d, Ano19e, Ano19f, Ano19g, Ano19h, Ano19i, Ano19j, Ano19k, Ano19l, Ano19m].

Editors

[Ano10a, Ano11b, Ano12a, Ano13a, Ano15a, Ano16a].

EDRIXS [WFDK19].

education [LPBH11, Müll14c, TN11].

Edwards [FFT+14, SJ17].

EERAD3 [GGGH14].

ef [DIP11].

ef-based [DIP11].

Effect [CHH+11, KSH11, SBL16, AG14, CFSK14, Kri12, OCL+13, QHZ+14, SWL11, SDJ+12, WBY11, XGH+19].

Effective

[BCS10, VLD+12, CLC14, CM15, CGG+14, Cri18, Ermi18, GR19, HHC16, IKS19, Jab12, LSG+12, Nem16, NRSVW12, ZTG13, ZTG14]. effective-mass [HHC16]. effectiveness [SS18].

Effects

[iT11, BDK11, DGMZ15, GTSL+13, GB14, KZ11, KS16b, KKS18, LHS14, Liu15a, MDPTK15, NLB+19, OOGP19, PBE14, VV16, WT12, dSVLP13].

Efficacy [DML+16].

Efficacies [AMJ18].

Efficiency

[LV15, WG11, ZPvR16, AKK+18, FZ16, GLAC13, GSKM15, JAS17, KK17, LCR110, VKS16, WW12].

Efficient

[AS11b, AAT17, BCDW13, CMN12, CZ18b, CSRV13, FUSH14, FCVH17, GBB13, GST17, GGG16, GVS+15, GA13, HWG13, HXW+13, HAN+16, HPN18, HCH16, JU17, JMG+17, KA17, Kröl19, LDD+19, LHZ11, LAG+17, sLqSqL+13, MA11, MSRL10, NVAF018, Qia16, QZ19, RA13, RF15, RZ19, SZ15, SHNM11, SOYHDD19, SCM14, SA14, THDS16, USOA13, VDF15].
efficient [Nik12b, OK14, PMS +17, PM16, PS11, Pos19, QLN14, RLM13, RJKC16, SW13a, SPP19, TSIM16, ST19, SR12, Shi16, HLTW19, JCL, JKIS16, Koh15, KBSP19, LM19, LK12, LYJH19, Leó12, LHJ, LKPH19, LW11, Lya15, MFG +13, MGR16, MCNRC16, NPAD11].

efficiently [MHWH19, RTT +18, SZC +13].

EFT [GBD10].
eHDECAY [CGG +14].
eigen [CHDCJA17].
eigen-stress [CHDCJA17].
eigenfunctions [BAF18, GCVA14b, MGL13].
eigenmodes [HSK +12, TJH17].
eigenproblems [DBB12, RLM13].
eigensolution [FZ16].
eigensolver [GBP13, GAO13b, HLTW19, SAY +18].
eigensolvers [DB13, LT15, VBS +17].
eigenstates [RPL +14].
eigenvalue [BMU11, CDMCN11, DB13, DPB16, DS15, HvdL11, HKSW10, Ixa10, JWM +18, LR13, LR16, MKR +12].
eigenvalues [BW12b, DOKS14, GCVA14b, HLW16, JZJ18, NJ18].
eigenvectors [JZJ18].
eight [PAS11, PS14].
eight-step [PAS11, PS14].
eigSUMR [CL16].

Einstein [ARYT17].

EIRENE [SK12].

Eisenbud [RA13].

EKHARA [CI11, CK19].

ELAM [MLW +10].

elastic:

[ASEA14, AFIS12, CKB, CHDCJA17, CGJ14, DMC10, GPS +13, Gri10, Jab17, Kas14, KGF18, LSCZ11, MLW +10, Maž19, MLK +17, MLK +19, QDZ +13, TH17, TW15, Voy13, WBY11, ZY10, ZC12, ZZ17a, GPS +13].

elasticity [MBF +10].

Elastodynamic [MAIVAH14].

ElecSus [KAH18, ZKW +15].

Electric [OCL +13, RE12, CFSK14, GBSY18, JTN +11, JPK +12, LXR +18, MRL18, SCNJ18, ZKW +15, ZDWM17].

electrical [CKT17].

electrically [HC16, Ram12].

electro [PGO17, Wie18].

electro-dynamical [Wie18].
electro-mechanics [PGO17].
electrodes [OBH10].

Electrodynamic [HBS +11, GH15].
electrolyte [Mar19].

electromagnetic [AHK +12, CC14, CC15, CSJ +17, CZF18, FUK17, GLAC13, GMC18, GH15, GCHL15, JLM18, KOT12, KC14, KTE +12, LPRPR17, LHJZ10, LHIC +13, LL19, LF12, MIW +13, MCM +12, ORI +10, Oti13, OVIS15, PP13, PYYW +14, Ram10, Ram14, SK17, SOR19, SDL +16, TM19, VV18, WGG16, WGG +19, WN10, ZHSL13].
electromagnetically [WL11b].

electromagnetics [QZW18].
electromechanical [SWL11].

electromigrative [DSK19].

Electron [DSM +11, FP14, PB13, PMVG16, YSN +14, AKZ +13, ART17, ACTP15, AG12b, BH16, BH17, BMW14, BSGG10, CYD11, CL11, CSK +19, CRGB14, CRB +17, DCC +10, Du12, FYK18, FUSH14, Gai17, GGGH14, GH11, Hoh14b, Ihn12, IUM13, ID18, JA17, JGAL +13, JH15, KEH12, KK14a,
KCA+15, Kol15, KA17, LSF14, LRW+15, LZL11, Lit13, LB10a, LRR+15, LRR+17, MVH17, MSPD12, MJKB18, NBM+15, NPM16, NGM+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-molecule [ART17]. Electron-phonon [PMVG16, CGRB14, KA17, NGM+10].
electron-positron [GGGH14, Kol15]. electron-repulsion [TO10b].
electron-surface [CL11]. electron-transfer [NBM+15].
electron/hole [Dua12]. ElectronDiffraction [SLW19a].
electronic-structure [LS19, MED11]. electrons [Aza13, BH14a, BH14b, Jab17, KTB17, KQYH17, MDF11, NNWS15, OOK+12, RS12, Sit18, SLEF17].
electrophoresis [SS11c].
electrophysiology [MFM15].
electrostatic [VPM16, BBL+13, CH19, CCHL11, CB16b, FK12, GB11, HZW+16, KC18, KK14b, LRR+17, MCWJ15, MRL18, SGDS16, YLQ+17].
electrostatics [CBB14, LCHM10, LCHM13, YBK+11].

electroweak [BM19]. elegant [YLYL17, KPA+19].
elemental [HW12].
elementary [FBG10]. elements [ABB+16, AC13, Arb12, CPWZ18, CCHL11, CK12, CBB14, FNPMB10, HS14b, LA13, MSRL10, PO14, Sar17a, Sar17b, SD10a, UFKB19, USOA13].
eleven [DJW+19]. eliminate [HHIT14]. eliminating [SCM13].

emission [MBFB13, XYY+15].
 ellipses [SC14].
 elliptic

Embedded [BM13, RHH12, DFM+15, Duf16, MKL17, PS14, PP13, SVGS18].
embossing [QJF16]. Emden [CB13b, KMM13, PDRG10].
Emergence [dSVLP13]. emerging [DS14].
LD10b, LV14, LZZL10, LS12a, LCKM14, LLXK16, Lin13, LBB\textsuperscript{+}16, LYSS\textsuperscript{+}16, LY16, MC16, MGL13, MGL16, MC12, MLS10, ML14, MN18, MA11, MM10, MM12, MJKB18, ÖNi12, OILK17, ORS\textsuperscript{+}14, OAKS11, OK14, PSB11, PSBT12, PAS11, PR13, PM16, Pla16, QSC14, RM10a, RHH15a. \textbf{equation} [RHH15b, STK10, SYS12, SSB\textsuperscript{+}16, SP16, SP18a, SSH\textsuperscript{+}13, SD10b, SA15b, SB11, SLEF17, SGSG19, TKS10, TT14, Ter17, TY10, TH17, TKZ18, TKS19, UNK12, Ume18, Ume19, VDAH16, VMGP\textsuperscript{+}19, VS19b, VVB\textsuperscript{+}12, Wi19, XLUF\textsuperscript{+}18, XZ12, YZ16, YZ19, YK18, YSM\textsuperscript{+}17, ZFH14, ZSW\textsuperscript{+}17b, ZDWM17, ZST11, ZCG17, dB14, dlHV12, ATW\textsuperscript{+}19].

\textbf{Equations} [QSB19, AAD13, ACCB13, APV10, ABB13, AD14, AD15, ABDR17, AG12a, AB\textsuperscript{+}19, AddM12a, ACDdM15, AddM15, ACDdM19, BSM13, Bar11b, BKOZ16, BLAS19, BCT17, BK11b, BB10, BB13b, BAK\textsuperscript{+}15, BAK\textsuperscript{+}16, BAK\textsuperscript{+}17, BHW\textsuperscript{+}12, CDD15, CR13, CDTV10, CB13b, CSJ17, CBB\textsuperscript{+}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\textsuperscript{+}19, HLLH16, HK12, HHC\textsuperscript{+}10, HB12, HM12b, HCHW11, IH11, JPS10, JK10, JC13, JC14, JYPA18, JCL\textsuperscript{+}18, Jiw15b, JSLM16, Kan14, KMM13, KD17, KO14a, KZC\textsuperscript{+}10, Kra10, LK12, Lev19, LWZ14, LLP15, LST15, LKPH19, lLsSZ14, LLL12, LLL13, lL10, LRSS19, LSSW14, MDHD18, MJB\textsuperscript{+}10, MHWH19, MWCY14, MZE13, Moh14, ICD13, MNOØ11, NO14, NO12].

\textbf{equations} [PKT15, PDRG10, PTS12, PSL\textsuperscript{+}17, PE15, QYM11, QA13a, Ras09, Ras17, RBB15, SFV19, SAW18, SDM\textsuperscript{+}12, SDS\textsuperscript{+}17, SK15, SW14c, SP18b, SCLW16, SmdONF14, Sta11, SSU\textsuperscript{+}13, SL14, TD14, Tia11, TYH\textsuperscript{+}15, VSO\textsuperscript{+}13, VBC\textsuperscript{+}12, VJC12, Wan10a, WZ13, WS15, WT15, XWF18, XYK12, YWX11, YTYA17, YQM12, YQM14, ZWC\textsuperscript{+}19, Zou18, dlHV10, dTOV18].

\textbf{equiangular} [ME18]. \textbf{equidistant} [LS15b]. \textbf{equidistributed} [GN14]. \textbf{equidistribution} [DF11a]. \textbf{equilibration} [iNSK\textsuperscript{+}15]. \textbf{equilibria} [CFW17, LC15, MZE13]. \textbf{Equilibrium} [ALC18, Buc19, BDBV12, BPS\textsuperscript{+}16, DMC\textsuperscript{+}15, FBHB17, Hon10, JCL10, KKK\textsuperscript{+}15, LS15b].

\textbf{equipment} [MGFRG12, RBG\textsuperscript{+}19]. \textbf{equipment} [FD13, Che17, Mel19, Ram10]. \textbf{ERKN} [CYSL12, WYSW10]. \textbf{ERMES} [Oti13]. \textbf{EROSION} [MGA\textsuperscript{+}13]. \textbf{erosion} [LNSD15, LSD18]. \textbf{Erratum} [ERS10c, Nat10, SGM11a, Wei11a, Wu10].

\textbf{Error} [BPMM14, PEMS19, WS11b, ABH\textsuperscript{+}19, BKV16, CLL16, Cip13, ÇÖSÜ11, Exl17, FM10, JCL10, Kra17, Kra18a, LS15b, MLS10, MBFB13, Ram19]. \textbf{error-controlled} [Exl17]. \textbf{ES2MS} [XNK\textsuperscript{+}16]. \textbf{escape} [DS15]. \textbf{ESI} [LZ17]. \textbf{ESP} [SGDS16], especially [SHW18]. \textbf{ESPRESSO} [BKC\textsuperscript{+}17, MMSF\textsuperscript{+}15, CGJ14, GTK\textsuperscript{+}19b, HBL\textsuperscript{+}13, JP10, GSZ13, KST14a]. \textbf{essentially} [AAD13]. \textbf{ESTEST} [YG12]. \textbf{estimates} [BKV16, KKK\textsuperscript{+}15, LS15b]. \textbf{Estimating} [Asc10, AM17, GFB\textsuperscript{+}10, GGF\textsuperscript{+}13, JCL10]. \textbf{Estimation} [DS15, KTA12,
ABH\(^+19\), BBB17b, DMP18, EVB14, IBB18, SM14, Sha18, TW15.

**Estimator** [Asc10, SAA\(^+10\)]. **etched** [VSG17]. **etching** [MFG\(^+13\)].

**eTextBooks** [LPBH11]. **Eucl** [TS11]. **Euclidean** [TGUVS19]. **Euler** [SBvD13, QYM11, QSB19, SP18b, YWX11]. **Eulerian** [JBG\(^+16\), JBG\(^+17\), PUO14]. **European** [AGL11]. **EUTERPE** [SSS\(^+11\)].

**Ev8** [RHBH15a, RHBH15b]. **evaluate** [MNV13]. **evaluating** [LHJ\(^+15\), RLL12, SZC\(^+13\), UA17, WDR16]. **Evaluation** [AHK\(^+12\), ACD\(^+14a\), AC13, ADT\(^+19\), AG12b, BBUY13, BDJS18, BCH13, BHJ\(^+15\), BHJ\(^+18\), BVH15, CIZ17, CSRV13, Deg15, FSH13, GBRB11, HJL\(^+14\), KZ14, KHN19, LAA\(^+10\), LSYY12, MGB18, MSR10, MR13, MN16, MFG\(^+13\), PZL\(^+19\), PVK\(^+14a\), PVK\(^+14b\), Str15, TO10b, Yi11, ZC12, vH11].

**evaporation** [TB14, XLX\(^+15\)]. **Event** [DDM14, GGH14, KBT\(^+14\), MM11, TMD11, VRV15, VRV18, BPS18, BABC19, CKS10, CK19, DIR\(^+19\), De 11, dAFFSVM12, Gin10, GT11, Kas14, KRW13, RHFF12, Sha16, YWW13, vH18]. **Event-based** [TMD11, BABC19]. **Event-by-event** [DDM14, VRV15]. **event-driven** [De 11, GT11, RHFF12]. **Events** [EFG\(^+10\), AFIS12, BDC\(^+14\), Bin13, HWT10, WW12]. **everyone** [Kap16]. **EVO** [BK13a]. **EvolFMC** [JPSS10]. **Evolution** [Cho11, HLS12, ABH\(^+19\), BCR14, BCT17, Bot11, Bra15, CJJ\(^+17\), FSJ\(^+16\), GM16, HK12, Hon10, HWCH11, JPS10, JMG\(^+17\), MBRV\(^+13\), SW11, VPM12, XLX\(^+15\)]. **Evolutionary** [BK13a, AFZ17, AFZ18, ATCZ19, FLA\(^+16\), LZ11a, LZ11b, LOSZ13, SHW18, Wei18, dASJC\(^+19\)]. **Evolver** [Ore19]. **evolving** [FGC\(^+11\), PHA18, US16]. **EW** [BS13b]. **Ewald** [KR16, LHZ11]. **Exact** [CS16, ID18, JP11, MP11, MTO15, PMMW15, SH12b, SH16, BKC\(^+17\), CL10, HCH16, HW12, LKL11, Lee18, Pla16, QLN14, SA15a, Wei99, Wei11a]. **exact-exchange** [HW12]. **EXAFS** [PCVZ11, TKP12]. **Examining** [WAHL13]. **exascale** [AGL11, DdJC\(^+19\), KY14]. **excellent** [DSW\(^+15a\)].

**Exchange** [NHD16, ABC\(^+18\), AAB\(^+10b\), BKC\(^+17\), Boe18, DG10c, GXF\(^+15\), GBJ11, HW12, IIO16, IFOI18, JL19, JJ15, LK15, LKT\(^+16\), MOB12, RZ19, UO15b, UO15a, WISA11]. **excitation** [BP12, CM15, GVS\(^+15\)]. **excitations** [MC17]. **excited** [BP12, CWW15, Er14, GH11, LH11, LMAB16]. **exciting** [PGD17]. **exciton** [VBMS17]. **exciton-polariton** [VBMS17]. **excluded** [BH\(^+12\), CHNS18]. **exclusion** [BBH\(^+10\), BBH\(^+11a\), LTL\(^+12\)]. **executing** [LYJH19]. **exemplar** [JTP15]. **exhaustive** [TC11a]. **ExoData** [Var16].

**exoplanet** [Var16]. **expanding** [HM12c, LP15]. **Expansion** [JDG12, PEM19, AQQ10, AK13b, CSPAD10, Deu16, FLW17, GS14, HWG13, HvWT17, HK15, HL13, IKS19, IUM13, KZ14, Per14, Pit12, Pre18, Ros16, SKF16, SGW17]. **expansions** [Eks11, GB11, TKR13]. **experiment** [Aono11a, CKhN11, DDM14, DMH16]. **experiment-computing-theory** [CKhN11]. **experimental** [CRNK12, KSH14, OBM19]. **experiments** [CHC\(^+11\), GSB\(^+14\), KD16, DMH16, VLD\(^+12\), WJCZ18]. **explained** [JGK\(^+18\)]. **Explicit** [Bla15, VEB\(^+18\), XQ19, AH13, Ber16a, Ber16b, CW16, DBMR18, DM17, DJ14,
FG13, FGR14, KZC+10, KAS12, LCE+13, QSC14, RL10, SCLW16, SS10b].

explicitly [LV14, PZY16]. Exploiting
[ASWP13, BBV+16, RDN+17, RFSF18, YRR13]. Exploring
[CD5+13b, GTS14, Yan11, MG10a, Müll11a]. explosions [BNAB11].

exponent [XZF12]. Exponential
[ERT15, PTMDPK14, ZNT15, AQJ10, BCT17, CEP18, GDB10, GH11, Ike18,
MIWH19, Moh14, PZY16, Pat12, PH11, Ram12]. Exponential-time
[PTMDPK14], exponentially [BLA15, CFFMR10, FG13, Müll15].

exponentially-fitted [MÜLL15]. exponents [MG10a, MÜLL11a, MÜLL14a,
PBL18, RLM13, XW15, YZWR14].

eXtra [BBB+15, BDDM18, CD12, EGPS10, PR13]. extra-high-order
[CD12]. Extricating [SAS11, CTT17]. extraction
[CCKS13, MSPD12, OG14, O015b, O015a, RJ12]. extragalactic [KOT12].
extrapolation [MC12, dYK+18]. extrasolar [HTT13, HTT14]. extreme
[BY17, DKS14, NOR15, VV18, WSH12]. extreme-scale
[BY17, WSH12]. extrinsic [DNC+15]. extruded [NCB18].

F [NDSH18]. F-t-Pj-RG [NDSH18]. FabSim [GBS+16a]. Facilitating
[GBS+16a]. factor
[GBD10, MSZW11, TZG12, XHLU18, dHV10, XHLU18].

Factorization [BvH15, JOK13, Gar19, KK14a, LHJZ10, RW11]. factors
[AHK+12, Pål12, YFAT17]. Faddeev [DVB11]. Faddeeva [Cha16]. failure
[Pra11]. Falkner [RL10]. family
[ACDdM15, ADdM15, DZ13, rJmYT11, NCHN15, WCT11]. FAPT [BK13b].
far [CFZ18]. far-field [CFZ18]. FAST
[Raf13, ABR12, BG13a, BKM11, Bot11, BGL+14, BSW12, CZ17, CdLOL19,
CC10b, CC12, DHLJ13, GRZ10, HCl6, HS16, JK19, JL19, KAK12, KME+11,
KH19, Lut15, Maz13, MSS+14, PKRS16, RK19, TO10a, VLPPM14,
WISA11, WSO+12, AGB+15, BT17b, BMBC+17, Bru13, CJO+17, CRSL18,
CB15d, CCN17, Dat13, Fow18, GMF+17, GJHF14, GCH+18, Ham11,
HDF+19, HP11, JLW13, KL17, KKL+18, LC15, LCFQ18, LL15, LCH10,
LCH13, LLX14a, MRZ10, OL12, OYYK+14, Qia10, Qia17, RMW13, Ser17,
Ste17, Sza16, tIT11, TSM16, TL19, XW15, XAPK14, YBK+11, YBNY13,
ZFPS10, ZC12, ZPvR16, vWB10, EBDM17, FCC15, JLW13]. Fast-NPS
[EBDM17]. Faster [Nie18]. favourite [DDK+15]. FCNC
[CRC+13, RCD+10, ROS15]. FD [DM17]. FDCHQHP [WW14]. FDTD
[Ram10, BAR12b, CKK+13, Fan19, FBN+13, FOB+15, Jia18, KKP11,
[SST11, Smi14]. **FIESTA4** [Smi16]. **FiEstAS** [Asc10]. fifth
[DSW+15a, NS15]. file [iSYS12, SMCB+15, SV12, dBCH14]. file/Mif
[CF16]. files [CF16, Hir15, Sta10]. filled [CBB14]. films [BL14, BKN+17].
Filon [SBvD13]. filter [BALV16, LFG14, TdAdSS11, ZLFM11]. filtered
[AKS17, Er14, KP12a]. filtering
[GMRHRcME13, GMPFC+14, HKZN17, MGR16, PCVZ11]. filtration
[Ray10]. financial [CLKK11]. find
[ADdM14, ACDdM19, MLGVE14, Pra17, TMS19, ZAHA10]. Finding
[ABB+19, ACDdM15, DdMN16, Kan14, SS13a, VJC12, BUJ15, GLZ17, Ike18, MST+18, MWCY17]. Fine
[MEM+11, BDL+19, CYD11, Faw10]. fine-grained [Bru13]. fine-grain [BDL+19].
**FinFET** [LCH11]. Finite
[ALA+19, DJ12, DSPJ10, FHTO17, Hak19, HZW+16, KST14a, MAIVA14, OBH10, OOGP19, SBvD13, TMA+15, Wil19, Zat14, AAD13, AS11a, ACTP15, BKOZ16, BM16, BMNS14, CCL18, CKSM+19, CAN11, CTL15, CW16, CCHL11, CRA10, Cor14, DT10, DM17, Den10, EKDGG15, Evs14, FNPMB10, Fu19a, FKS+19, GML15, GBP13, GS17a, GB14, GLW14, GMHZ19, HE13, Has11, Hsu11b, HZ11, IP14, JK19, JLM18, KCT15, Koh13, KMD12, Koh15, KVW11, LOL+18, LD10a, LA13, LW14a, LV15, LHJZ10, LLXK16, LYY+17, L HH+12b, LOK+18, LNP+17, Maz19, MB12, MSS+16, MMA15, MBJ11, MLK+17, MLK+19, MBFD12, ICD13, Naz12, ON14, OWS+14, Oti13, OVS15, OT11, PVK+17, PB16, QLN14, Ram14, RS12, RVDS16, RDVS18, RC13, RC16, SW14a, SP16, SLK19, SC15, SHL+11, SBH+12, SAN18, SCG11, TTT14, Ter17]. finite
[TYH+15, TXZL15, VLPFM14, VDB14, VDAH16, VV16, WZ13, WFZG19, WP10a, Wit14, XGH+19, YRR13, YXT+15, YQM12, YQM14, dDYK+19, Hak16, HKF+12, LYP14, MCM+12]. Finite-Difference [Wil19, DSPJ10, TMA+15, ACTP15, CW16, FNPMB10, GS17b, GS17a, GB14, HE13, MSS+16, MBFD12, ICD13, RC13, TT14, VDB14, VV16, Wit14, MCM+12].
finite-dimensional [Naz12]. **Finite-Element**
[Hak19, CKSM+19, VDAH16, Hak16]. finite-range [Cor14]. finite-rate
[SAN18]. Finite-size [OBH10, Evs14]. Finite-temperature
[KST14a, BM16, KCT15, SLK19]. finite-time [Has11]. finite-volume
[Fu19a, LHH+12b, SHL+11]. finite-volume-particle [LHK+18].
finite/infinite [SBH+12]. Finisler [YE14b]. **FIRE** [ShiT17]. **FIRE4** [SS13c].
**FIRE5** [Smi15]. First [BKVI16, EY11, FWZ+12, PBMA12, SQL+10, AdM12a, ACDD14, AdM14, ACDD15, BL12, Boy15, CSL+13, DdMN16, ELL+17a, GPS+13, GM18, GCVA14b, HL19a, JLA+14, LZ111, LS17a, NS15, SS13b, SWL11, VDF15, ZZ17a, ZFZ19]. First- [BKVI16]. first-order [VDF15]. First-principles
[EY11, FWZ+12, PBMA12, CSL+13, LZ111, SWL11, ZZ17a, ZFZ19].
**Fission** [VRV18, Rom15, VRV15, VRV15]. **FIST** [VS19b]. fit
[Gag12b, GH18, Gor19, SGDS16]. fits [DS15, AKKK16]. fitted [CFMR10,
DMP18, FG13, KMS14, KV10b, Miy15, PS14, RVA14, WT15, YZZ11. fitter [BGH+18]. Fitting [GD14, BW16, Ber16a, Ber16b, BPMM14, Bla15, Bru13, DF1+15, Duf16, DSPJ10, Eme11, KRB19, LFG14, LAS+17, Pat12, PDL+18, PBD+15, RFPM+17]. five [SMGK19, XMC16]. five-body [XMC16].


flavors [GM18]. flavour [AM11, AMR19, HKZN19, MHA+12, PS12, MHA+12]. Flexible [TCK+15, CSR13, DLGP10, FCCTFR18, HvyAS+13, JK14, KPA13, KBSP19, LDR+17, ORI+10, PH13, SMG11a, SMG11b, 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, Beu11, CC16, CLW11, CMA10, CL13, DMC10, FHA17, FKS+19, FM15, GRLS18, HSF+15, HCT11, JU17, KK13, Kra18b, LCC13, LSK17, LHH+12a, LTL+12, LOK+18, LSD18, MFI+10, MCM10, MPM14, MBS+10, MPNP17, NFA+16, NB17, NHS15, OILK17, OP12, PBF+16, PC11, PG17, RF15, Sie16, SS11c, SQA+15, SDJ+12, SJW10, SSO+17, TFW14, TKL+12, TPC13, VSO+13, Van15, VK16, Yua19, ZZ19b, ZNT15].


Flowgen [KLV15]. flowing [Sza16]. FlowPy [FSC13]. flows [ACMM10, BL19, BHN517, BBF+13, BOGL17, BCM+16, BTC+16, CCD+16, CPR12, CdlOL19, DBMR18, FDZ17, GZZ19, GSC+16, HKPF19, HZW+19, HJGL18, HJGL19, JvOK17, JPK+12, Ki10, Koh15, KPPC13, LSK+13, LH18, MTE17, MRVF13, ML16, NCBI8, PBD+15, PE15, RJLL16, SYD17, SCM+18, Sza13b, Sza13a, TJK19, TIMM13, TCP13, VL19, WZS+11, WG16b, WMI19, XD16, YSL19, YS17, ZOZ13, ZZ19+19, ZPS+18, ZBN+19, vdS10].

fluctuated [LCH11]. fluctuating [KFF+16]. fluctuation [MHV17, Voi13, ZC12]. fluctuations [HPB14, SGDS15]. Fluent [LNSD15]. Fluid [OBPL19, WWR+16, ALA+19, BHN18, BDS18, CCD+16, CXL19, CG11, CL13, DOP17, DF11a, DCU+19, DMC10, GZW17, GLYW14, HWCdM19, HMR+19, HF16, HCHW11, JHH+19, KK13, KCN18, KGFS18, KTE+12, Koh15, LOK+18, LHH+12b, LH18, LSD18, LHGF18, LDF+16, MOD13, ML17, MJKB18, OP12, PVK+17, SH12a, Sch14a, SLR+11, SHL+11, SQA+15, TD17, sX14, ZZG+16, ZFR18, Zag14]. fluid-elastic [KGFS18].


Ganga \cite{HKK11}. gap \cite{BDK11, CKCS13, JGAL13, LOK16, MD10a, SI11, SW13a}. gas \cite{DS13a, Fu19b, GM11, HZW19, HCHW11, JGAL13, LOK16, LHSL14, MD10a, SI11, SW13a}. gas-kinetic \cite{PZZL19, WG16b, ZWC19}. gas-liquid \cite{JHH19}. gas-particle \cite{WZS11}. gaseous \cite{Sza13b, Sza13a}. gases \cite{BDP16, CGSB18, CND11, Gre18, SOON11}. GASPRNG \cite{GP13}. gate \cite{MNW17}. gate-based \cite{MNW17}. gateway \cite{VK16}. gather \cite{MTO15}. gauge \cite{BB13a, BW12a, CB13a, CSBO13, Fri14a, HbotRC15, JL19, LSSW14, PVK18, SV13, XQ19, YW17, MGS13}. gauge-independent \cite{XQ19}. gauged \cite{Fis12}. gauginos \cite{Sta13}. Gauss \cite{MSR10, MS15}. Gaussian \cite{BCC18, EKDGG15, Er14, FM12, JBKM15, LY16, Odr11, PPY14, Ray10, RVDS16, RDVS18, TZK16}. Gaussian-inspired \cite{JBKM15}. Gaussian-type \cite{BCC18}. GBS \cite{JHL15}. GCforce \cite{ZYL19}. Gd \cite{LQZ13}. GDB \cite{ZFR18}. GDML \cite{PG19}. Ge \cite{MTS16}. Geant \cite{Gri10}. Geant4 \cite{DPK15, MBF16, PG19, PCEH15}. Geant4-DNA \cite{DPK15, MVI16}. gen.parRep \cite{HL19a}. GenASiS \cite{BC19, CB15a, CB17, CB18}. Gene \cite{BW15, CRA10}. Gene/P \cite{CRA10}. gener \cite{CKFB12}. General \cite{Bot12, ASPDL16, AABC13, AC15, AC18, CJW19, CH11a, CPV13, CVW12a, CVW12b, EKO16, Fer15, Fuh17, GTPWL12, GJ14, GNA15, GBRB11, GRI11, HRC11, JKG18, KAK12, KMA12, LS14, LS15a, Lin11, LW14b, LHGF18, LHG19, LSSW14, MKV11, NMCR15, RFPM17, Sal16, SS10a, TDAdSS11, XQ14, YLTS16, BRE10, FJBG19, GLMG12}. general-purpose \cite{ASPDL16, AABC13, Fer15, GNA15, RFPM17, TDAdSS11}. general-relativistic \cite{KMA12}. generalised \cite{BBC13a, Fuh15, TKJ19}. Generalized \cite{ATW19, JPH14, LNSJ17, SVGS18, BDV11, BR15, BKK13, BKM14, BKL15, CC16, DBB12, ERT15, Fen12a, Fen16, GV15, GS14, GTC11, KVV19, KMM13, KMSJ16, LJE11, LS12a, ILSZ14, MBFD12, IDC13, PH11, PA13, RJJL16, RLM13, TC11b, VMGP19, BD12, HL19a, MCG11, MN16, WILL19}. generate \cite{AM14a, ZLLP17}. generated \cite{BD10, MV16, MSH11, M13, M15, VKS16, WSO12}. Generating \cite{BJ61, CB13a, MMT11, M12, WWR16, AZ17a, AZ17b, KFF16, MIS13, RM14, ROM15, SGD16, WW12}. Generation \cite{CC10a, JTH14, ADT19, BJBC14, BS11, BS13, BS14a, BJWC13, BL18b, Bor14, BCL14, CF16, DCM12, FMRP16, Fer15, GIO18, GB17, GB16b, HBP15, HUM10, MFLY19, MV11, DPHB17, PLF17, RE10, RJW19, SG15, SEM16, VDA19, XWHZ13, YFAT17, ZS13, VH18}. GEnEerator \cite{CF16, GAGW16, HS19, AFIS12, AOK15, AhPSV15, BCMS10, BCJW13, BBO19, CWW10, CUL17, CK18, CI11, CK19, DFR19, DKT14, GP13, GIN10, HLD13, KAS14, KRW13, KYKN15a, KYKN15b, MO14, NCS17, OY13, PHT19, RVDS16, RDVS18, Sav15, Sha13b, Sha16, TU14, TOM16, XW15,
 generators [ASPW13, BS13a, CKS10, Dem11, MZ14, Mis13, SS13a, Sib17, SAE+16, TC11a].
generic [Ano10n, HL18, JJ15].
gen [SCW+11].
Genetic [SKH+10, SKK11, Bru13, Hon18, TTT16].
Gennes [SP18a].
genuinely [QSB19].
genus [Bog16].
GENXICC [WW13].
GENXICC2.0 [CWW10].
GENXICC2.1 [WW13].
geodesics [MG10a, M¨ul11a].
GeodesicViewer [MG10a, M¨ul11a].
Geometric [KRK16, Bot13, Gwi12, KU10, SKK11, TE18, TK19, VBMP15].
geometrical [BSC+13, HML11, QLE16].
geometries [Bjo11, CCD+16, EKK14, HC17, MJB+10, MVI+16, NCB18, PG19, RHH12, TS19].
geometry [ASPDL+16, BMU11, DXY+19, DPK+15, GLZ17, GSB+14, KAH18, KH12, KQYH17, LJJ+18, SR12, WWVB11].
geophysical [VKS16].
George [Sco19].
GeoViS [M¨ul14a].
germanium [OPSR13, OPR14].
GetDDM [TVT+16].
GFM [Jia18].
GGA [GSZ13].
GGRESRC [DKT14].
ghost [HAH13].
ghost-gluon [HAH13].
GIANT [JBKM15].
Gibbs [MHR+13, dRL11, dRAPL11, TKP15].
Gillespie [CF17].
GiMMiK [WWR+16].
Ginzburg [SA15b, Wan10a, WZ13].
Gillespie [CF17].
Gill [JPCG15, JXTS16, JCW+13, JWCW17, KKP11, KP12b, KPA+19, KO12, KO13, KO14b, Kom15a, Kom15b, KO16, KMA+12, LDP15, LWRQ16, Lut15, Lya15, MDW16, M˚AWK18, MPM14, MFM15, MHR+13, MTM13, N˚DH16, Ngu17, OP12, PR14, PLD15, PBS+17].
globally [RC18].
globular [RV10].
glsim [Gri11].
glu [AMRdA17].
gludynamics [Fri10].
gluon [BBU11, BvH15, HLM13, HAH13].
gmat [CNMC10a].
GMES [CKK+13].
GMXPBSA [PSMS14, PSMS15].
GNU [YSMA+17].
GO [BD12].
Godunov [KPPC13].
gold [TM19, YLYL17, ZDD+13].
Golem95C [CGH+11, GHvSF14].
good [MA11, TC11a, YZ16].
goodness [Gag12b, GH18].
Gordon [DN13, KZC+10, AH13, DG10a, DG10b, Eba13, GMHZ19, JPM12, LD10a, MD10a, Pdl12, Pts12, RM10a, SW14c, dHV12].
GP ELab [AD14, AD15].
GPGPU [LYZ13, ¨ON14, PQTGS17].
GPGPU-accelerated [PQTGS17].
gprMax [WGG16, WGG+19].
GPScan.VI [Fer15].
GPU [ALA+19, AKS17, BS14a, BWB+17, BKOZ16, BPP11, FPB12, BBF+13, BBS14, BLS17, BD10, BV10, BTL+17, Boe14, BTC+17, BHJ+19, CCL18, Cap13, CMVRB+14, CMRVR6, CHNS18, CCL18, CSSB15, CRLS18, CBYG18, CRB+17, CLB11, DRR16, DS13a, DCV+13, DCG13, DGG13, ELDS14, ELL+17a, Exl17, FFT+14, FGC+11, FDWC12, Fil13, FBN+13, FOB+15, FKS+19, Gal17, GPI3, GJ13, GLHG12, GZZ19, GHR+16, GB17, GCC+18, GJ18b, Ham11, HWX+13, HPN18, HLTW19, HW12, Ihn12, JK14, JPCG15, JXTS16, JCW+13, JWCW17, KKP11, KP12b, KPA+19, KO12, KO13, KO14b, Kom15a, Kom15b, KO16, KMA+12, LYP14, LCC13, LGW13, LSYZ12, LPB15, LWRQ16, Lut15, Lya15, MDW16, MAWK18, MPM14, MFM15, MHR+13, MTM13, N˚DH16, Ngu17, OP12, PR14, PLD15, PBS+17,}
harmonic-oscillator
harmonics
Harness
Hartmann
Hartree
Harvest
HASoN
HASEonGPU
hasing
Hastings
Hastings-class
HATHOR
HAWK
HDECAY
HDMR
heart
heat
heating
Heavy
Heavy-baryon
Heavy-ion
Heavy-quark
Heavy-top
Heine
Heisenberg
HEJ
HELAC
HELAC-NLO
HELAC-Onia
helical
helices
helicity
helicon
helium
helium-4
helium-like
Helmholtz
hemodynamics
HEP
HEPMath
HepML
Hermite
Hertmitian
heteroepitaxial
heterogeneous
heteropolymer
heteroscedasticity
heterotic
Hierarchic
Hierarchical
Hierarchies
Higgs
HiggsBounds
High
AAA\textsuperscript{+16}, AQJ10, AH\textsuperscript{+19}, Ano19m, BG19a, BCT17, BvH15, CLHL19, Ein16a, GS15, Gai17, GBFJ14, HS19, HvWT17, JTW\textsuperscript{+17}, LWL12, LV12, MF17, MD10b, ML16, DPH17, NS15, NO12, PHA18, RW\textsuperscript{+12}, SH\textsuperscript{+13}, SA15b, SBPD19, SMGK14, TY10, WGVPL17, ZBN\textsuperscript{+19}, AAD13, AAD14,
Ara14a, Ara14b, AH13, BDT15, BL19, BDKS10, BH14a, BCH17, BCDP18, BWPT11, BKPT12, BY13, BMG+15, BDGM+17, CFMR10, Cap13, CNS+18, CZ18b, CMJ+11, CD12, CL15h, CR12, CBGY17, CBYG18, DBMR18, DGPW11, DRR16, DJ11, DM17, EZBA16, EGT+10, EGT+18, F118, FG13, Fu19h, FB19, GLAC13, Gar19, GA10, Hah12, HEPW13, HYM11, JH11, JVR12, KB19, KVV19, Koh15, KSYY13, LV15, LM16, LWZ14, Liu15a, LJ+19, LWJV18, LAG+17, LLX14b, MNO+11, MVS15, MLK+17, MLK+19, MNO+11, Pe17]. **high** [PVK+17, PGO17, Qia10, RRCSCJ10, RLS16, SHW18, Sch14b, SHZ13, SLK19, SCN18, SCM+18, SPSP18, Tia11, TGH+16, TS10, VL19, VMP+19, VV16, WWS10, WC10, WS11a, WWC+16, WvSL13, WLM14, Wic15, WWR+16, XHLUF+18, XQ19, YvOSM15, Z14, Z15, ZFH14, ZO13, ZZ17a, ZFZ19, ZW15, ZNT15, DLBL16, OBM19]. **high**- [CMJ+11].

**high-accuracy** [AQJ10, CLHL19].

**high-density** [HYM11].

**high-dimensional** [CZ18b, DM17, MHWH19, WC10, WvSL13].

**high-energy** [Hah12, WS11a].

**high-entropy** [Pe17].

**high-frequency** [BDGM+17].

**high-intensity** [SCNJ18].

**high-level** [MVS15].

**high-level/high-performance** [MVS15].

**high-nuclearity** [DRR16, RRCSCJ10].

**High-order** [BCT17, MF17, MD10b, RHW+12, SSH+13, SA15b, TY10, ZBN19, AAD13, AAD14, BL19, Cap13, DBMR18, DJ11, EGT+18, FG13, GA10, Koh15, LV15, LW14, LWV18, Ma19, MLK+17, MLK+19, PVK+17, Qia10, Tia11, VL19, VV16, WWS10, WWR+16, XHLUF+18, XQ19, Z14, ZFH14, ZNT15, DLBL16].

**High-performance** [GS15, Gai17, JTW+17, LSR+17, DPHB17, Ara14a, Ara14b, FB19, MVS15, SHZ13, VMGP+19].

**high-precision** [BDT15, KB19, LM16, SLK19].

**high-pressure** [SHW18].

**High-resolution** [PHA18, BMG+15].

**high-speed** [CN+18, VL19].

**High-temperature** [HVW17, Liu15a].

**high-throughput** [ZZ17a, ZFZ19].

**high-velocity** [JH11].

**Higher** [BdA15, CD15, KO14a, WP10b, ACMD15, Cha16, CLJ12, DKS14, MK19, MO14, SR12, SC16b, SB11, VJC12].

**Higher-order** [CD15, KO14a, Cha16, MK19, SC16b, SB11].

**Highly** [CH11b, HLTW19, LBP15, MTM13, MGR16, PFK19, dSF18, BL19, BY17, GRLS18, HBP+15, MSI+10, MLS10, SEW12, SEW14, W18, WDR16, YBN13].

**highly-efficient** [WDR16].

**Hiking** [Bra15].

**Hilbert** [ERPFL15, SA15a].

**Hilliard** [LXXK16, XYZX19, YZ19].

**Hirshfeld** [EPP12].

**histocompatibility** [HFSK12].

**Histogram** [FLE19, CMVR+14, CMVR16, GGG+19, Sha18, VK14].

**Histogram-free** [FLE19].

**histograms** [AMR15, Gag12b, Gag12a, GH18, GH19, RK19].

**Hit** [KMS19].

**HMC** [CDS+13b, KP12a].

**HNLS** [SB11].

**hole** [DIR+19, Du12, Gin10, LZZ11].

**Holm** [ZST11].

**hologram** [BGL+14, JTP15, MSS+14, WSO+12].

**holograms** [BD10].

**holographic** [FB+13].

**holography** [MSI+10, ZSW+17a].

**HoMnO** [KAR+15].

**homogeneous**
Hooke [RGKR17]. Hopf [Bor14]. hopping [LM19]. horizontal [ME18].
Horn [BK14, BK15]. Horn-type [BK14, BK15]. Horner [KPvH13].
HOS [DLBF16]. HOS-ocean [DLBF16]. Hoshen [FKH15]. hosphhe [CDTV10].
HOTB [DSMK17, SMGK14]. Houches [ABB+14, BBC+13a, MHA+12, Sta19]. Householder [NLSJ17]. hp [BCM+16, IWL11, Roh16]. hp-fRG [Roh16].
HPAM [EPP12]. HPC [DBLF16]. HOS-ocean [DBLF16]. Hoshen [FKH15]. hosphe [CDTV10].
Hylleenas [JH15]. Hyper [GGF+13, GES13]. Hyper-Fractal [GGF+13, GES13]. Hyperbolic
[AK13b, AAD14, BB10, CGM17, DJ11, Ert15, Jiw15b, PKT15, RD10]. hypercubes [TOB+14]. HYPERDIRE [BK14, BKK13, BK15, BK16b]. hyperfine [ZE11, ZE16]. HYPERgeometric [BK15, BKK13, BK14, BK16b, GS14, SL13, HM12c, BKK13, BK14, BK16b]. hyperlogarithms
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, RTAT15, TS10]. ICMS [BBL+13]. Ideal
[SSH16, ZFZ19, ALA'+19, LOL+18, FE15, TDL+14]. IDEN2 [AKV18].
Identifying [Law19, LZ12, Kra10]. identities [LL19].
iEBE [SQS+16]. IEQ [XYZX19]. IFE [RtV16, RtV16]. IGA [LWP+17].
iHixs [DLM18]. II
[RHBH15a, Ano11a, AD15, ABH+19, BJBC+14, BH14b, BMW14, BAK+16,
Dan10b, HBS+11, Nog17b, dIRAPL11, RHBH15b, SH18, SAS11, SSK+13].
III [PSL+17]. illustrating [ZW15]. illustration [CLB11]. Image
[DGOR18, iSSM11, GES13, JTP15, LAS+17, TW15, XD13, XHD15].
ImageJ [SBB+17]. images
[AKKK16, CRB+17, GFB+10, PVH+17, WG16a]. Imaginary
[LR13, LR16, ABD17, CYOS19, YOM+19]. imaginary-time
[CYOS19, YOM+19]. imaging [CFCB12, Fer15, GSB+14, SSM+17].
imbalanced [WRB11]. imbibition [GSL+13]. imbibition-drainage
[GSL+13]. Imeall [LFKD18]. IMEX [DMP18]. IMEX-trigonometrically
[DMP18]. immersed [CCHL11, CGJ14, JvOK17, NCB18, Ser10, YS17].
imbalanced [CCL18]. impedance [KM17]. Impingement [LNSD15].
imping [HHT14]. implants [RMS+12]. implement [MRL18].
Implementation
[AS16, Alv12, BKOZ16, BDPM15, Boe18, BF10, DPK+15, GSS13, GZZ19,
GGG+19, GES13, GFJ+14, GBJ+19, HP17, IIO16, IFOI18, KH19, LG17,
MWI+19, MBP10, MFF+13, MBGV15, NBN+14, RV10, REBS16, SXX14,
TIM+16, VDB14, WP10a, ABR14, Aral4b, AKS17, AddM12a, 
APC+14, Bad11, BJCW13, BCJW13, BH16, BVSG19, BW15, BGI4b,
HENK+17, CKI17, CFCB12, CIL15b, CGJ14, CGG+14, DEMM19, DA16,
DCVB+13, DM12, FGC+11, Fow18, Fri14b, FHH+14, FKS+19, GSI7b,
GSI7a, GVS+15, GHBL18, GB17, HWG13, HOP1F5, HL19a, HLZ+13,
HDM+12, JWDL12, JK14, JWCC17, JJ15, JIK16, JP10, KFS17, Kap12a,
KKG+15, KBS19, LKM+16, LBM+14, LHZ11, LK15, MBF+10, MSS+16,
MTM13, MNPF17, MBB+19, MAIVAH14, NPAD11, ON12, dIRAPL11,
PMBAD12, PM16, PMS+15, PIH11, QLE16, RRCSCL10, RU12, SL16].
implemented [SCC+12, SSF+17, SBPN15, SLK19, SMI15, TKP15, TL19, TS19, TTT16,
US16, VS19a, VB19, WMRR17, WRMR19, WC15, WPAG14, ZMJ13, vRWS14].
implementing [CVX+18, DCGG13, HSK+12, Holl19, THJ+10].
implemented [FVH18, MOD13, PGD17, SS18]. Implementing
[BWPT11, BKPT12, BY13, QJF16, BF16, BCPS11, MJKB18, SOPI12].
implements [MZE13]. implications [PdMML19]. Implicit
[FLSZ13, FM15, GHBL18, GMBH+19, Lanz13, TYY+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, MWT+19, NFD+19, NLSJ17, RC15, SS13b, SC15, SHL+11, TT14,
WG16b, XWF18, XYK12, XZ12, YSLY19, YLKN17, ZSW+17b].
implicit-explicit [CW16]. implicitly [WWS10]. implosion [SKK+19].
import [PG19]. importance [HLL13, KTB17, LLX14a, SK10, dHGCS11].
important [rJmYT11]. Imposition [MDPTTC17]. improve
[FZ16, SCM13, WW12]. Improved
[AK13b, BKC+17, CZL+11, GV15, Jab13, KCT15, KO16, LRRK13, NNWS15,
RGG10, SSF+14, WMK11, WPD+15, AdDM16b, BW15, CLKLM10, CDM14,
GCF+17, GST12, KHK+11, KDM11, KPPC13, LJD+19, MGO13, MS14,
MBFB13, MFLY19, Nat09, Nat10, RLS16, RLL16, SWL+15, SD10b, TD17,
WZS+11, WW13, War16, XD16, ydSM16]. Improvement [AdDM16a].
Improvements [PLF+17, SSS+11, DSS+19, Tan19]. Improving
[AKK+18, AdDM15, HHC16, KPvvdH13, SGM11a, SGM11b, CMRVR16,
KK17, Pit10]. impurity [BHT19, FLSZ13, GWF+11, HWG13, HW+15,
Hua17, SKFP16,SWG17, YWOD19]. IMT [MN10]. in-core [AZM14].
in-situ [KY14]. InAs [BMMS14]. incidence [BMF+19, MPSV15, VDB14].
Including
[AB10, EFG+10, DXY+19, PS12, WT12, XGH+19, ZMCT12, dTOV18].
Inclusion [RU12, AMRdA17, TKJ19, UIY11]. inclusions [Bot13]. Inclusive
[DLM18, GLS+13]. incomplete [LHJZ10]. incompressible
[BLAS19, BCM+16, CC16, DBMR18, EW14a, GZW17, KGFS18, Ki10,
Kohl10, Kra18b, LOK+18, LH18, LWJv18, NHSY15, RH17, TKJ19, YTYA17,
ZBN+19, CRLS18, GRLS18]. incorporated [AM14b]. Incorporating
[KZ11, NLB+19, LYZ13, TKP15, WN10]. incorporation [CL11].
independent
[EGT+18, Ein16a, HO13, Les16, LLX14a, SMC+17, XQ19, ZKS13, HSD17].
index [ICPD16, SAA+10]. India [BPMM14]. India-based [BPMM14].
indices [KTA12, SK10]. Indirect [BBB+11, Ham11]. individual
[HOFPF15]. individual-based [HOFPF15]. induced
[Gao13a, HYM11, LS17a, San11, SJY18, Van15, WL11b, ZLM12]. induction
[VMPG+19, YTYA17]. ISATA [ASEA14, TVGB15, WDFK19]. inelastic
[AEE14, AEA14, TVGB15, WDFK19]. inertia
[DBP19]. Inertial
[JFHA19, HIL+14, LHJ+15, MKJB18, SKK+19, SS11b, Rv16]. inexact
[RLM13]. Inference [dCD19, CRB+17, KD16, KRB19]. Inference-Aware
[dCD19]. INFERNO [dCD19]. INFFTM [CZ17]. InfiniCharges
[SFGS16]. infinite [SBH+12, ZLL13]. infinitely [BAF18]. infinity [SS10b].
inflation [HCC14]. Influence [BL14, OML11, ZHCR18]. Information
[CLKK11, CDD+12, EBDM17, Fme14b, HFSK12, LTL+12, OG14, O015a,
Sai13, mZfXL15]. infrared [Gar19, SCI10]. infrastructures
[GBS+16a, VPMVH+17]. InGaN [YSN+14]. InGaN/AlGaN [YSN+14].
Ingólsson [BL18a]. inhomogeneities [PP13]. inhomogeneous [MCM+12].
Initial [BBRS19, OK12, RSBB14, FGB10, GN14, Jan10, KAS12, LLL12, LW14b, SS13b, SS10b, VSG18, ZX10, vH18]. initial-boundary-value [GN14]. Initial-State [BBRS19, RSBB14, OK12]. initialization [BDBV12].
initialize [BMS+16, LHH+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, Wil15, Wit14, WPAT14, ZFBR11, OBH10, TG11]. ink
[BLV+19]. innovative [PNL13]. inpainting [JTP15]. Input
[CMSV14, RJW+19, Rut18, SOJ14]. Input-output [CMSV14]. inputs [CSRV13, HLL13, ZKS13]. Input-output
[CMSV14]. Instructions
[Bot12, dlHV10]. Integration
[MAIVH14, AK13a, ABH+19, BKV16, BE14, CH19, End11, GDB10, GJ18b, Kan14, Kap12a, KD17, MWI+19, MF17, NPAD11, Odr11, Pan15, RBB15, SHT18, SS13c, SBL16, WAHL13, Wu10, WYW09, ZF15]. integration-by-parts [Kan14]. integrations [Lan13]. Integrator
[VBC+12, BBP+19, BHH+19, CEP18, KRK16, PIIH11, Tan19, Ume18]. integrators [AEKO18, BCT17, Cap13, KV10b, MWHH19, Miy15, MO14, SBPD19, WYSW10, ZYWR14]. Integro
[DSW15b, GJ14, MJB+10]. Integro-Differential
[DSW15b, GJ14, MJB+10]. Intel
[Dan10a, Dan10b, Dan14, Dan16, Dan17, Dan19, Hse12, 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, HLI19b, 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,
[TIMM13, MRL19]. **Large-scale** [BMC+11a, DdJC+19, HKK11, JEFP14, KH+18, PLD+13, SXW+18, SLZ16, BC19, CB15a, CB17, CB18, Deu16, DO14b, DML+16, GS15, GHvDL11, GHdF10, GBS+16a, GAO13b, HLS12, JOK13, LCQFL18, LR13, LR16, MBS+10, MCNRC16, NLB+19, RLM13, SMUT19, SPSP18, Tan10, THDS16, WDL11, WLZN17]. **Larmor** [XGH+19].

**laser** [BT17a, BEKP19, EZBA16, FZY17, GC12, GH15, HJL+14, IB11, IKS19, JTT11, LJSW11, LV19, LHJ+15, MiH12, MFS+10a, ON14, RetVH12, SZM+14, SBE+16, SYJ18, TC11b, TL19, TT11, ZYZ15, ZZ15, ZLM12].

**laser-atom** [FZY17, TT11]. **laser-driven** [HJL+14]. **laser-induced** [SJY18, ZLM12]. **laser-plasma** [REtVH12, TL19]. **lasers** [FYK18].

**latency** [GCC+18]. **later** [DJW+19]. **laterally** [EBCBG17]. **Lattice** [BCJ+11, CYN19, CDS+13b, CKCS13, SCRS17, TD17, dHGCS11, vdS10, AGH+16, BWWM19, BBC+11, BBB+17a, BHNS17, BB13a, BW12a, BDP16, BQ12, CB13a, CAN11, CS16, CZ19, CBB+10, CRA10, CND11, DCU+19, DE13, EPS15, Fri14a, FKH15, GM18, HLS+17, HOFPF15, HMR14, HCH16, HLWTW19, HbotRC15, IUM13, JLA+14, JK14, JEFP14, KPI2a, KMY+17, KOG17, KK14b, KAvdL11, KLO+19, KdMV014, Law19, LKL11, Lee18, LS14, LQZ+13, LCL+11, MHHL11, MDW16, MOD13, MR14, MRZ10, Maz13, MGS13, NIK+12a, Ots11, RV10, STK10, STA18, SD15, Sch14a, SV13, SLZ16, Sin12b, SH16, TKS10, TS19, UA17, WLG+13, Wan16, WLU11, XLCW14, ZKG+18, BLPP13, BCS10, GTSL+13, MWL+10, SSF+17, vds13, vSM16]. **lattice-Boltzmann** [CRA10, FKH15, MOD13, Maz13, TS19, SSF+17].

**lattice-Boltzmann/finite** [CRA10]. **lattice-switch** [UA17]. **lattices** [BG11, CCW10, FLP10, HML11, LCCC11, MKV11, SOON11]. **launched** [sLqSqL+13]. **Laura** [BGH+18]. **Laurent** [Per14]. **Lauricella** [BK16b].

**law** [JAS17, SB11, UW12, WCT11]. **laws** [AAD14, DJ11, MWCY14, SW12b].

**Lax** [MWCY14]. **Layer** [LV15, GGI+13, GLW14, JHL+15, Ras09, Ras17, SVV19, WTH15]. **layered** [Bot12, CZF18, CL15b, DV11, MPsv15, PP13, SVGS18, VCD16].

**LayerOptics** [VCD16]. **layers** [CBB14]. **LBD3D** [SSF+17]. **LDA** [PGD17, SW13a]. **LDA-1** [PGD17]. **LDA-1/2** [PGD17]. **leading** [GLPQ11].

**leagues** [dSVLP13]. **leap** [HP14]. **leap-frog** [HP14]. **leaping** [AZM14].

**learning** [BG19a, BSW12, CSP+19, HJE+19, KP16, Law19, WZH+18, YZZ+17]. **Least** [Ber16a, Ber16b, LSCZ11, Liu13, AG12a, DSPJ10, Gor19, Kra11, LWW10, Wan10b]. **least-square** [DSPJ10]. **least-squares** [AG12a, Kra11].

**left** [REBS16]. **left-right** [REBS16]. **legacy** [BG+15]. **Legendre** [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].

**LOorbit** [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].

[YZY10]. MadGraph [ADF+15]. Madland [Rom15]. MAGE [CF16].
Magic [MLN19]. Magnetic
[MHHL11, VCMS+13, BDK11, BUJ15, BMW14, CLHL19, CHW+15, CFW17,
CZL+11, CHZ18, DXY+19, DOP17, DA16, Dua12, HSD17, HERF+11, KB15a,
KOT12, Ki10, LLQX19, LFG14, LZ17, LR13, LR16, MDW16, MJB+10,
MEG12, PBE14, PCGM14, RS12, SEW12, SW14a, SEW14, SW14b, SBPD19,
SZM+14, SHNM11, Tau10, TG11, VPM12, YTYA17, YJK11]. magnetically
[Ram12, SCM+16]. magnetisation [ALC18]. magnetised [AM19].
magnetization [CZGC19]. magnetized [BOPL17, BEKP19, CFF19,
LJD+19, LDF+16, MF17, MCM+12, MMA15, Ram10, sX14, Yan09].
Magneto [LKWi11, CCL15, KAH18, OCL+13]. Magneto-hydrodynamic
magnetocrystalline [QZ19]. magnetogasdynamic [Yua19].
magnetohydrodynamic [MKLi17, SNB11, TYH+15, WWFT11, WAW14, WWM14,
YTYA17, ZD15]. magnetohydrodynamics [CGM17, Em16b, QM10, QA13a,
WFZG19, diRM18]. magnetohydrodynamics-based [WFZG19]. magnetoresistance [Dua12].
magnetostatic [LYP14]. magnetostatic/electrostatic [CCHL11].
magnetostatic [CCL15]. Magnetotransport
[TTG11, GTG+11]. magnets [Rei11, Rei12, TMS19]. Magnus
[AEK018, BCT17, IKS19]. MAGPACK [RRCSCJ10]. major [HFSK12].
Making [Hoh18, LPBH11]. MaMiCo [NFA+16, NB17]. MaMR [JTW+17].
manage [GldF10]. management
[AABC+13, AZM14, Kro16, SBL16, TdAdSS11]. Manager [LHL11].
ManeParse [CGO17]. manifest [REBS16]. manifolds [CB18, DS13c].
[DIR+19, AKK+18, BBC+13]. Many
[BRL+16, GBJ+13, GBJ+15, GBJ+19, RB18, ADT+19, BBC+13b, FCVH17,
FLW17, GBJ+10, GBJ+12, GBFJ14, HLZ+13, JWC18, JWM+18, JOK13,
JGD12, KPS15, KHN19, Men11, MMY+19, Milla4c, PPMW15, PBS+17,
RJKC16, WZHE18, ZC12, ZBN+19, NBW16]. Many-Body
[GBJ+13, GBJ+15, GBJ+19, BRH+16, ADT+19, BBC+13b, FCVH17,
GBJ+10, GBJ+12, GBFJ14, HLZ+13, JWC18, JWM+18, JOK13, JGD12,
KPS15, KHN19, PPMW15, WZHE18, ZC12]. many-core [RJKC16].
Many-integrated [RB18]. many-particle
[FLW17, Men11, Milla4c, PBS+17]. many-variable [MMY+19]. manycore
[HdM16, HWcdM19]. map [RMC16, SCM+16, TRM+12]. MAPLE
[GLHR19, AddM12a, AddM14, CddM14, FF11, MWCY14, SD10a, VJC12].
mapped [LL15]. Mapping [GBK+12, ADDM16b, BAR12b, CddM14].
mappings [Str15]. MapReduce [JTW+17, TOB+14]. maps
[AKK+18, ES11]. Marangoni [GLW14]. marching [ZY19a, MGO13].
marker [DF14]. market [CLKK11, KCL11]. Markov
[EBDM17, KSW15, LN16]. Markovian
[CF17, JPSS10, JMG+17, ZF15, dSVLP13]. **marriage** [WCT11]. **Marrink** [BL18a]. **Martini** [BL18a, dJBIM16]. **mass** [AHK+12, ABF19, BBC+11, BG19a, BO12, CWY+17, CGV13, CKCS13, CZ19, DBP19, HKZ17, HHC16, LS13, NGCI+12, PTMDPK14, Sal16, SVG10, SAE+16, ZY19b, Ros16]. **mass-preserving** [Sal16]. **mass-transfer** [NGCI+12]. **masses** [AKH12, AMRdA17, BGM+14, BBC+11, BG19a, BO12, CWY+17, CGV13, CKCS13, CZ19, DBP19, HKZ17, HHC16, LS13, NGCI+12, PTMDPK14, Sal16, SVG10, SAE+16, ZY19b, Ros16]. **massive-particle** [Sal16]. **massive** [BL18a, dJBIM16]. **massively** [BL18a, dJBIM16]. **massless** [BBUY13, CKCS13, GBJ+15]. **MassToMI** [Ros16]. **master** [GM17, GTG+11, Mey18, Pra17]. **Matched** [LV15, SVV19]. **matching** [BJ14, KPVI16, OK12, OK18, SGMI11a, SGMI11b]. **MatchingTools** [Cri18]. **Material** [CLH+17, KC18, ASPDL+16, BSWC14, Buc19, FM15, JTW+17, Pra11, San11, SNG+11, SC16b]. **Materials** [MCY+16, APS+16, CVK+17, CTL15, DSS+12, ELL+17a, GTPW12, JVR12, KAR+15, LOK+16, LS12b, NPA11, Ngu17, ORS+14, WSH+12, WC15]. **massively-parallel** [NPAG11]. **maternal** [ZBMM11]. **MathemaTB** [Jac19]. **MATHEMATICA** [BKM14, AC13, AC15, AC18, Aza13, BK13b, BKK13, BK15, BK16b, CGO17, CMS17, Dep17, Eks11, FRW17, FMRP16, FK15, Fen12a, Fen16, GLMG12, HHP+14, Jac19, LR18a, LR18b, MZ14, Mis12, Mis13, Naz12, Nov17, Nut14, Pat15, Pre18, Ros16, SBQ14, Sta19, TJD11, Tab16, TM14, Tos10, WL11a, Wie15, XMCL16, Zit11]. **Mathematica-based** [BKK13, BK15, BK16b]. **Mathematical** [TN11, CD15]. **Mathematica(R)** [SU18]. **Mathematics** [CB18, TN11]. **MathLink** [Hah12]. **MathQCDSR** [WL11a]. **Matlab** [RC16, CR13, CZ17, Dat13, RDP14, SZM+14, UW12, ZSW+17a, AD14, AD14, As10, Bal19, Cap13, CATK11, CF16, HT12, Hoh14a, NSXZ14, OAKS11, RC13, SL17, SH18, TACA15, VFM16, VK16]. **Matlab-based** [RC16, SZM+14, UW12, Cap13, OAKS11, RC13]. **matrices** [BH11, CDMCN11, GSMKI17, GBRB11, GCC14a, Hoh18, HM18, JK13, LW13, DPHB17, NCHN15, NLS17, PB16, TC12, dHV12]. **Matrix** [BK11b, DBK+14, JWC18, ZLL18, ABB+16, ACM19, ART17, APV10, AC13, BG19b, Bot12, CNMC10a, CLJ12, CPW18, CK12, DN18, Des16, GZ14, GJ18a, HCRD14, HD17, IHI11, JZ18, KKH16, KHI12, Lec18, Lev19, LJ16, MIH12, MKGK13, MI16, MSRL10, NBN+14, NPM16, P014, QFP16, Ram12, RGH10, Sal13, Sar17a, Sar17b, SDS15, Sha13b, Sha16, SD10a, SAS11, SDL+16, TK14b, UFKB19, USOA13, VvAV+11b, VvAV+11a, WPA14, WWR+16, BD12, BR13]. **matrix-element** [Sha16]. **matrix-exponential** [Ram12]. **matrix-free** [KH12]. **Matter**
[ASGLK10, AK15, FXZ+14, LA13, OCM+19, SP18b, YWX11]. meshing [ZPH+15]. meshless [DG10b, MM12, QLN14, SW14c, SD10b, XLL15]. meson [BBC+11, 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 [SS11c, BLV+19, WJHW14]. MESOTOFF [LHC+13]. metaphor [DMH16]. metastability [FDWC12, JHJG14]. Metaball [FM11a, FF14]. Method [BUJ15, EW16, GHBL18, Lay16, RNdB19, TGH+16, ZLL18, AM14a, AM14b, ARY17, AS11b, AdDiM16b, ASS13, ABDR17, AG12a, ACddM19, AAJA14, BOPL17, BBM+13, BM13, BF16, BBB+17a, BK11a, BH14b, BH16, BW12b, BR14, BHT19, BT17b, BL18b, Bi15, BH11, BMW14, BCM+16, BMNS14, BPSM16, BIT12, BHND16, BENK+17, CZ18a, CL15a, CB13b, CKSM+19, CAN11, CSPAD10, CZS10, CL10, CLJ12, CW13, CT15, CW16, CS17, CSL+13, CKK+13, CB15d, CvW12a, CvW12b, Cor14, C15, C16, C17, C18, C19, D15, DEM19, DT10, DG10b, DT11a, DM17, Den10, DKSG16, DCG16, DCG16, DCM16, DCF16, DFM15, Duf16, DO14a, DO14b, EBCB+14, ELDS14, E1K14, EFK+19, FGGM11, FS17, Fen12b, FK12, FNMB10, FBN+13, FPY+17, Fu19a, FJ19, FKS+19, FN17, GC12, GZ14, GML15, GBP3, GA15, GA10, GZZ19, GGG+19]. method [GCH+18, GYW+10, GB17, GMHZ19, HE13, HV15, Ham11, HC12, HLL16, HKPF19, HSD17, HKvh16, HDZ14, HJGL16, HJGL19, HHC+10, HWW12, HL16, HM18, HI11, Ixa10, Ixa12, J10, Jan10, JK14, JK19, JFAH19, JWCG17, JLM18, rJmY11, J10, JG12, JGAL+13, JL13, JCL+18, JPM12, JK13, JU17, KMS14, KK13, KU10, Kap12a, Kap12b, KC118, KGK+15, KGFS18, Ki10, KL17, KO14a, KL11, KN13, Koh15, KDM11, KA17, KV19, KS12, KS13, Kra10, KZ14, KH19, KMJS16, KR14, KSW12, KOK17, KSY17, LOL+18, LLHC11, LM19, LLQX19, LX12, LM16, LLG17, LHJ10, LSCZ11, LCCC11, LHC+13, LST15, LLM17, LCQF18, LJWK11, LHH+12b, Lin13, LSK+13, LTP+17, Liu11, Liu13, LL+17, LOK+18, LJD+19, LXX14a, MCW15, MD11a, MDH18, Mi12, MIW+12, MRL18, MST+18, MSPD12, MRZ10, MC12, MH18, MBFB13, MK10, MNPF17, MMY+19, MM10]. method [MM12, MFG+13, MSR+17, MBGV15, MBFD12, ND18, NPM16, N15, NZQ+14, NBC18, NS15, NAQ16, Nas11, NMS14, OY14, OPO+11, OPSR13, OPR14, ORI+10, OT11, PHA18, PSBT12, PAS11, PS14, PDRG10, PR13, PBMAD12, PEM19, PGD17, Pit12, PS11, PSP16, PB16, QM10, QYM11, QA13a, QWZW18, QDZ+13, Qia10, QwWL+15, QLN14, Rami10,
RVA14, RCGT16, Ras09, Ras17, Raw15, Raw16, RVDS16, RLS16, RDVS18, RMS+12, RH17, RTA10, Sal16, San15, SW13a, Sch14a, SEW12, SEW14, SW14b, SFF+17, SNB11, SCS12, SDS15, SD14, Ser10, SW14c, SMUT19, SD10b, SA13b, Sia16, SmdONF14, SRL+11, SBvD13, SS10b, SCG11, SDL+16, SKSK13, SL14, SPP18, SPP19, Sza13b, Sza13a, Sza16, TIS16, TD14, TTM17, TT14, TFBW14, TC11b, TKP15, TY10, Tia11, TT11, TW15].

**method** [TKZ18, TDL+14, UO15b, UO15a, UFKB19, VdLF14, VK14, Wan10a, WX11, WLZM12, WZ13, WM13, WX14, WLGY18, WN10, Wil19, WP10b, XHLUF+18, XWF18, XZ12, XLL15, XLX+15, XD16, XGH+19, Yam16, YLO13, YBNY13, YS17, YTYA17, YQM12, YQM14, ZAHA10, ZFH14, YL11, SBvD13, SCG11, SDL+16, SKSK13, SL14, SPSP18, SPP19, Sza13b, SMUT19, SD10b, SS13b, SA15b, Sie16, SMdONF14, SHL+11, SBvD13, SS10b, SCG11, SDL+16, SKSK13, SL14, SPP18, SPP19, Sza13b, Sza16, TIS16, TD14, TTM17, TT14, TFBW14, TC11b, TKP15, TY10, Tia11, TT11, TW15].

**Methods** [EVB14, EBCBG17, PVK+17, ARAB+17, ACCB13, ABB13, ABCM14, AH13, ABH+19, ADdM15, BCH11, BWWM19, BB15, BH17, Bla15, BBF+10, BB10, CFMR10, CDBM16, CH19, CYSKL12, CS10, Col14, CHZ18, DIP11, DMP18, DN13, DF11a, DLW+18, FLW10, FMW10, FHTO17, FG13, FGR14, Fri14a, GBN17, GSKM14, GSKM15, GTK+19b, HVP+19, JLA+14, Jiw15b, KFS17, KKL+18, LMRC15, LD10a, LV10, LWYW11, LLP15, LW14b, LHGF18, LY16, LAG+17, LL12, MCP+11, MCTR11, MKS10, MM11, DPHB17, PMMW15, PMMF15, RL10, RHH12, SZ15, SVV19, SEGP15, SW12a, SW13b, SO19, SC16b, SBH+12, SS18, SAN18, SPP19, TBZ12, TE18, TVT+16, TXZL15, WC10, WXL13, WWC+16, WHL+12, WYH19, Wu10, WW10, WT15, XJS16, XHLM12, YZ16, YYFY90, YZZ11, YXW11, YJK11, ZW15, 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, FDZ17, FXZ+14, JFC12, LC15, ML17, PHT+19, PE15, Ras09, VKP14, WRBL19, ZOZ13, ZNT15]. **MIC** [NBW16, RB18, BBS14]. **micro** [Bal19, BD10, HLS+17]. **micro-currents** [HLS+17]. **microgrid** [CLH+17]. **Micromagnetic** [CF16, FCC15, EFK+19, RJW+19]. **micromagnetics** [TIM+16]. **micrOMEGAs4.1** [BBPS15]. **micrOMEGAs5.0** [BBG+18]. **micrOMEGAs2.4** [BBB+11]. **micrOMEGAs3** [BBP14]. **micrOMEGAs4.3** [BBB+18]. **micromotors** [AD11]. **micron** [BHNS17]. **micro-** [BHNS17]. **microquasar** [Lan13]. **microrheology** [BDGM+17, OOGP19]. **microscope** [TCK+15]. **Microscopic** [VCD16, AMM11, BPB+17, Gen10, RU12, VSO+13]. **Microscopy** [MAC12, BDGM+17, CRB+17, DGPOR18, MHV17, SSM+17, ZSW+17a]. **microturbulence** [PDJ10]. **microwave** [CGSB18, HKF+12, KRB15, WWC+16]. **MICs** [SAN18]. **Mie**
Model-Driven [Dan10a, Dan10b]. **Modeling** [CLW11, wH15, TJH17, AD11, BOPL17, Bar11b, BMNS14, BMZ+18, CSJ+17, CL11, CFFR15, Dan12, EZL+16, EDPZ19, EKK14, FZY17, Gai17, GGI+13, HV15, Hak16, Hak19, HDF+19, HCHW11, IP14, Jab19, JGC+11, KEHL2, KPA13, KM10, KRB15, KMJS16, KGNS10, Lan13, LV19, LZZL10, LHH+12b, LTL+12, MPS13, MN18, NGC+12, OBPL19, OP12, PBF+16, PE17, Ram10, Ram12, RAV11, RTA10, SGNL17, SLC11, SN16, SHL+11, Sol11, SCG11, Sva12, TKP12, Uty14, VBMS17, VCD16, WGVPL17, XHLM12, YOM+19, ZE11, ZE16]. modelings [Hon18]. modelled [MRL19]. Modelling [AGB+15, CC16, HdM16, IBKK11, Abo10n, AMR+18, CdLOL19, DBD+17, HKF+12, Kra18b, MDPTK15, MRSD15, MSML10, OBH10, ORS+14, Org15, RF15, RLGM+11, TN11, Van15]. **Models** [Rei11, Rei12, AS11a, AC17, AABC+13, AG12a, AH13, AliPSV15, ABH+18, AC15, AC16, AC18, BW16, BBC+13a, BR13, BHT19, BKMI1, CECGS16, CZ18b, Che17, DCM+15, DNPS13, ELDS14, FW11, Fil13, FD13, Fuh15, HLL13, HvWT17, HCH16, HVMR10, HKVR10, ID18, KOG17, KO14b, KO16, KST+14b, KTA12, LLMW17, MLGVE14, MST+18, Mur14, NEW+18, NHI14, NP19, NAQ16, PdMM19, PS12, QA13b, RK11, RDN+17, SLZ16, SH16, SOPS12, Sus17b, TAFD19, TSTT13, TVZ+15, WG12, Wan16, Weil1b, XLX+15, YZ19, dRAPL11, Mel19]. **Modern** [HdM16, BS14a, CDSG11, Ei16b, HBL+13, RD11]. modes [AM19, ALSW14, Ball9, CS17, HSK+12]. modifications [RL10]. **Modified** [LYL+17, NIK+12a, ZLL18, BK+17, DFM+15, Duf16, FZY13, GSZ13, Jiwl5b, KMS14, LM19, LCQF18, MS15, Ras09, Ras17, SMJ17, SBvD19, XHLUF+18, ZY19a]. **Modular** [CFW17, Giu19, Sin11, Sin12a, DLGP10, FWS+17, KP16, KSH14, Kro16, TCK+15, Zag14]. modulated [TTG11]. modulation [Kap16, OCL+13]. module [DF11b, DGST17, GST12, LRK13, SK12]. modules [AAB+10a]. moduli [Bog16]. MOLDY [ADD+11]. **Molecular** [AS16, DLGP10, Fil14, FFHI11, GM11, HLZ+13, LS17a, MTSI11, MKB+11, Ngu17, NLB+19, SBPN15, SYE+18, TD17, ZS13, Zhe15, ADD+11, Bar11a, Bar12a, BBH11b, BBZ+19, BPML12, BKST15, Bin13, BG13a, BG14a, BGHN19, BWPT11, BKPT12, BY13, BCG+15, BBV+16, BMDP19, CTT17, CMM14, CXH+15, CZZ+19, CSP+19, Col14, DEW16, DES+11, DRR15, ESM17, FSH13, FCVH17, FRG12, FP14, Gar19, Gio14b, GLR17, GNA+15, GRR+14, GJH14, GTK+19b, HST+11, HYMI1, HWX+13, HAN+16, HBH+17, HWL+17, HVMR10, HKVR10, HM17, HL19c, HDM+12, JWL13, JPH+14, JTT11, JKIS16, KRM+19, KST14a, KPA13, KKCC19, KDM11, Koni11, KKS18, KS15, KHN19, LGW13, LS12b, LHZ11, LK15, LLZ+17, LBR+18, LRR+17, MDW16, MGRB11, MM17, Mi11, MSH11, NB16, NFA+16, NB17, NPAG11, NP19, iNSK+15, OKM12, OYK+14, PLCC12]. molecular
[Rap11, Rei11, Rei12, RKGC+17, SMOB19, SGM18, Sco13, SOM+13, SC16a, SMO16b, SCM14, SCM13, SAG13, SA14, TM19, TSI11, VBG+10, VK14, WJCH18, WZHE18, WSI13, YK12, ZBG+16, ZPH+15, ZZHG18, dBC14].

molecular-hydrogen [BKS15].
molecule [ART17, CNMC10a, CNMC10b, EY11, EBDM17, Faw10, LJSW11, WG16a].
molecule-fixed [CNMC10a, CNMC10b]. molecules [AKV18, BGHN19, BRH+16, CRNK12, DVB11, FS17, FCCTFR18, GNT17, HL19b, Kob13, LRR+15, MGB18, PZY16, Sit18, TC11b, WFM14, Yan11, YLTS16, ZYZ15, ZZ15, ZMCT12].
molgw [BRH+16].
Møller [KK14a, KBB+17]. molscat [HL19c]. MolSOC [CL14].
MOM [LHC+13].
momentum [HKPF19, KKG+15, LLX14a, MMA15]. Momentum [HHC+10, BAK+15, BAK+16, BAK+17, CC19, DSM+11, EUT+15, HKJ+12, MGB18, MMT+11, Trö11, Wei99, YK18].
moment-independent [LLX14a].
momenta [AC16]. moments [DBP19, MSR+17, MK19, RE12, SVGS18].
Momentum-time [HHC+10].
monolayer [OCL+13]. monopolar [ZDWY10].
monosized [AYDY11].
monotonic [SC15]. monotonically [HRC11].
Monte [AIG16, CK19, HKZN17, HKZN19, JPS10, KLO+19, MBRV+13, NSXZ14, OP+11, OPSR13, TDL+14, Urb18, WLZN17, ZTG14, ZDD+13, AFIS12, ASGLK10, AK15, ABB+14, ASPDL+16, Ano10o, AK13a, AK13b, AM18, BKV16, Bar11a, Bar12a, BDP16, BVP10, BG11, BMW14, BG13b, BLG14, Bon15, Bon16, BHJ+19, BMDP19, BENC+17, CXG+19, CL11, CZGC19, CL15b, CKS10, CNS+14, CI11, DSHS17, DGWP11, DEM19, DPK+15, Dem11, DDKM15, DKT14, EBDM17, ES11, FGGM11, FLE19, FW11, FDWC12, GTPS19, GA15, Gin10, GSB+14, GWF+11, GB17, HBE10, HMR14, HP11, HWM+15, Hua17, JUM13, JLA+14, JA17, KOT12, KMO19, KEH12, Kan14, KRW13, KC14, KKK+17, KNS+17, KV19, KSW15, KPVvdH13, LS14, LS15a, LS15b, LLE+18, LWL11, Lut15, MP11, MRZ10, MEM+11, MW14, MHR+13, MMY+19, NPAD11]. Monte [NHD16, NDS18, NBC18, NM14, OPR14, PZL+19, PEMS19, PM14, RF16, Ram19, RMS+12, RV10, RV11, RB18, SI11, SGNL17, SFP11, SL16, SHT18, SMJ17, SM19, SD14, SKFP16, SLZ16, SSF+14, SKM15, SSK13, TZG12, TVZ+15, Tic10, Tic14, TKP12, TMS19, TU14, Trö11, UKKB19, UA17, VK14, WRF15, WDL11, WSTP15, WBS+18, WvSL13, WT12, WWVB11, XG+19, YWOD19, ZBG+16, ZLM12, ZTG13, dSF18, dHGS11].
Monte-Carlo [DPK+15, LS15a, NBC18, PEMS19, SM19, UKKB19].
Morphological [MS11]. morphologies [Bar11b]. morphology [PR10].
Motion [KB15a, BMG+15, HH11a, MF17, SBPD19]. Motion4D [MG10b, Mü11b, Mü14b]. Motion4D-library [MG10b, Mü11b, Mü14b].
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 [MRSD15, BT17b, FHA17, ZAFAM16]. Multi-phys [ZMV+13, DRI+16].
Multi-resolution [SCM+18]. Multi-scale [UBRT10, BHT+15, BHT+18, Sch14a]. multi-soliton [Pál12].
multi-structural [ZMPT13]. Multi-symplectic [CZS10, HD11, FLE19, GZWJ18, SI11, ZMJ13].
multi-cellular [HFOPF15]. multichannel [GMRHRCME13, HBP14, NFI17]. multi-component [YSLY19].
multiframe [SGDS16]. Multigrid [ABF19, FZ19, BKOZ16, Bot13, FN17, HVP+19, TE18, TK19].
multilayered [LPRP17]. multilevel [MCWJ15, OL12, ZG17].
multilevel-skin [ZG17]. multiloop [SST11, Smi14]. multimode [Brá15].
Multiparticle [HPN18, WSH+14]. Multiphase [ZLFM11, HSF+15, LOK+18, MPM14, NHSY15, TSK+17, YK19].
multiphoton [TC11b]. multiphysics [ZLFM11]. Multiparameter [GHK19].
Multiplace [ELL+17a, Jab17, XNK+16, ATA+19, AKR15, BAF18, EBCB+14, GLAC13, GM18, HILZ+13, JA17, JPH+14, Kap12b, Kaw19, Kra18b, LW18, STK10, SNG+11, SCM14, TKS10, TACA15, VK14, Wai12, WKM11, WXW13, WJHW14, WM14, YL12, BBV10, CY19]. multiple-histogram [VK14]. Multiple-Relaxation-Time [CY19]. multiple-trapping [JA17].
multiprecision [Sai13]. multirate [SEG15]. Multiresolution [LB10b, RHI12].
Multiscale [BLV+19, AKH+18, CH19, CZ18b, GTK+19b, HBL+13, KFS17, KK13].
LHB$^{+19}$, RLBC$^{+14}$, SMO16b, ZOZ13, ZZG$^{+16}$, CHZ18]. **multispin** [FFT$^{+14}$]. **multisymplectic** [CWS14]. **multithreaded** [TV10]. **multivariate** [CSR13, KPvH13, LR18a, LR18b, vH10]. **MultivariateResidues** [LR18a, LR18b]. **multiwavelength** [SSP16]. **MuMax3** [RJW$^{+19}$]. **muon** [NBCL18]. **muons** [BCMS10]. **MUPAGE** [BCMS10]. **Muse** [Liu14]. **mVMC** [MMY$^{+19}$]. **mVMC-Open-source** [MMY$^{+19}$]. **mxpfit** [Ike18]. **myFitter** [Wie13]. **N** [CKFB12, CDTV10, GBD10]. **N2HDECAY** [EMW19]. **N2HDM** [EMW19]. **NAMAD** [JPH$^{+14}$, BW15, JJ15, MPB10]. **NAME** [MFH$^{+13}$]. **names** [WCT11]. **nano** [HST$^{+11}$, HEF$^{+11}$]. **nano-devices** [HEF$^{+11}$]. **nano-friction** [HST$^{+11}$]. **NanoCap** [RM14]. **nanochannels** [SS11c]. **nanoclusters** [FSJ$^{+16}$]. **nanodevices** [CLL16]. **nanodiamond** [AZS$^{+11}$]. **nanofiber** [LPC$^{+15}$]. **nanographite** [AZS$^{+11}$]. **nanomaterials** [Mar19]. **nanometric** [ZHCR18]. **nanoparticle** [Bar11b, YHC11]. **nanoparticles** [Bar11b, YHC11]. **nanostructures** [S11c]. **nanotube** [LCY$^{+11}$]. **nanotube-nanoribbon** [LCY$^{+11}$]. **nanotubes** [LCY$^{+11}$]. **NAO** [KBSP19]. **NAPL** [PBF$^{+16}$]. **NBL** [KHN19]. **Nd** [LQZ$^{+13}$]. **NDL** [HAV$^{+14}$]. **NDL-v2.0** [HAV$^{+14}$]. **ndom** [SKB10]. **Ndynamics** [ADB$^{+12}$b]. **Near** [KKM16, AGVP10, CZF18, DT11b, EECW12, Faw10, JU17, LPRPR17, MZE13, TKL$^{+12}$, Uty14, XD13, XHD15]. **near-barrier** [DT11b]. **near-continuum** [TKL$^{+12}$]. **near-field** [CZF18, LPRPR17]. **near-rigid** [Faw10]. **Near-threshold** [KKM16]. **near-wall** [JU17, Uty14]. **nearly** [LYL$^{+17}$]. **nearly-analytic** [LYL$^{+17}$]. **necessary** [BSWC14]. **neighbor** [ABRS12, HAN$^{+16}$, KHN19, LYJY10, ZZH18]. **Neigbour** [MRZ10, WRRA18]. **Nekter** [CMM$^{+15}$]. **neoclassical** [BSM13, HS12, MS14, SISW10]. **Nernst** [Fuh15]. **Nested** [BBV$^{+16}$, BH11, SEGP15]. **Network** [VKL11, VLM11, DLW$^{+18}$, HH11b, LYJH19, ORCR17, YKK$^{+19}$, dSLF13, ZHL11]. **networks** [BHVMH15, CHDF10, CB15c, CMdB11, CF17, CLF18, HLS12, HZC19, IBKK11, Kra10, MCNRC16, NMC15, PHA18, QHC$^{+10}$, SOYHDD19]. **Neumann** [RC16, Jiw15b, RC13, RTA10, SP16, SN16]. **Neural** [ORCR17, ZHL11, dCD19, HZC19, LYJH19]. **neural-network** [LYJH19].
[BHNS17, NCB18]. **non-orthogonal** [USOA13]. **non-oscillatory** [AAD13, DJ11, UNK12]. **non-overlapping** [JU17]. **Non-perturbative** [WL11b]. **non-planar** [BH13]. **Non-polynomial** [Jal10]. **non-reactive** [HL19c]. **Non-reversible** [FW11]. **non-spherical** [BMG+15]. **non-staggered** [DJ11, SCLW16]. **non-SUSY** [ABH+18]. **non-transferred** [CLW11]. **non-uniform** [BDP16, KS15, LFG14, YQM12, YQM14]. **nonadiabatic** [SOM+13]. **noncentral** [GST15]. **nonclassical** [Shi16]. **nonequilibrium** [KH10, MDF11]. **Nonextensive** [Fri14a]. **nonhydrostatic** [BB12]. **Nonlinear** [Asi10, BAR12b, Cap13, AAD13, ABB13, ABH+19, BSM13, CWS14, CB13b, CZS10, Che17, DG10a, DT10, DS10, DT11a, DM17, Dem13, DZ13, DBLF16, Er14, EFK+19, GLHR19, GAO13b, NRLS18, HZC19, Jan10, JCL+18, KS19, Kau13, KL11, LD10a, LV19, LWL12, IST15, LLL12, Lin13, LLL13, sL10, MD11a, MHWH19, Mel19, MFM15, Moh14, ICD13, PDRG10, PTS12, QSC14, RM10a, SW14c, SK14, SB11, SS10b, TD14, TJH17, WP10a, Wil19, XZ12, YCO15, ZAH10, ZWL17, ZY19a, ZLL13, ZW15, ZST11, Zi14, dHV10]. **nonlinearity** [SB11, VEB+18]. **nonlinearly** [CC14, CC15]. **nonlocal** [LAA+10, LLMW17, TRN16, YZ19, ZY19b]. **nonresonant** [Shi16]. **nonuniform** [ZNT15]. **nonzero** [BBF+10]. **norm** [GVPJ18, LWW10, 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** [UW12, dSFdFF13, EKK14, FS17, KK16a, KDM17, LDR+17, MSPD12, MPM14, RTA10, Ser10, WAW14, WZS+18, ZDY10, ZSW+17b]. **NPB** [Yi11]. **NPS** [EBDM17]. **NRMC** [SGNL17]. **NSBC** [Bab14]. **Nt_STM** [MAC12]. **NTPoly** [DN18]. **Ntuples** [BDC+14]. **Nuclear** [DBP19, VCSM+13, ASA18, AANAJ12, BNV18, BCB+13b, CDTV10, Des16, DPB16, G16, GFJ+14, GBJ+15, PDL+18, SZH13, SAY+18, Shi16, SUS+17a, Tom16, ZSW+17b]. **nuclearity** [DRR16, RRCSCJ10]. **nucleation** [JJB11, RDP14]. **nuclei** [Bab14, DT11b, DML+16, GC10, GC13, GC16, GCK19, LMB16, NPVR14, PUO14, WSI13]. **nucleon** [AHK+12, GB010]. **nucleus** [GC18, KMO19, WR16]. **nuCraft** [WW15]. **nudged** [KDZ+13]. **NUFFT** [Giu19]. **null** [HLW16]. **null-space** [HLW16]. **nullity** [YE14a]. **number** [ASPIW13, BS11, BS13a, BS14a, BJCW13, BCJW13, CBGY17, CBYG18, Dem11, FP14, GP13, GBS16b, Kau13, LS15a, LNP+17, Mis13, Sav15, SS13a, Sib17, SCM+18, TC11a]. **numbering** [BBC+13a]. **numbers** [BS13a, BCJW13, Nog17a, Nog17b, UB15b, YB13, ZOZ13, ZNT15]. **Numeric** [GBRB11, KCA+15, LRW+15]. **Numerical** [ABRS19, ASEA14, ACCB13, ALSW14, AD11, ACM12, AH13, ADdM+12b, BBUY13, BCI13, BHJ+15, BMNS14, BS12, Bhv15, CMJ+11, DG10b, DGS+19, DR12, FGLB12, Fin12, FUK17, GG16, GLX+14, HKSW10, HK12, HML11, HW11, HB13, HL13, Ixa16, JL12, JLM18, JPM12, JK13, JHL+15.
KFS17, KM10, Kri12, LMRC15, LD10b, LSF14, ILsSZ14, MT13, MIW+13, MFS+10a, MC12, MM10, PTK15, PBF+16, QwWL+15, RC15, RAV11, RJ12, RGKR17, SW12b, TGUVs19, VBMS17, Wie13, XJS16, XYM+13, YdDH+12, ZFH14, ZDWY10, ZY19b, ZW15, dHV12, AS11b, AB10, AGH+16, ACMM10, ACML11, AAT17, BK16a, BSK+18, BCM+16, BDGG19, BHJ+18, CLH19, CL10, CLL16, CvW12a, CvW12b, CFFR15, DMP18, DCC+10, DCM+12, Dat13, DS13a, DBD+17, DN13, DM17, Den10, EZL+16, EVB14, FSC13, Fuh15, GHvdL11.


HEF12, HHC+10, JWC18, KKS18, KS12, Ls19, Liu11, Liu13, LKT+16, MCA17, MP11, MEM+11, OAKS11, Pat15, Pat17, Per14, QA13a, Rtv16, RVA14, Rei12, RCH16, RGKR17, TD14, Ter17, WHG+19, vH11]. **one-dimensional**

[CHC+11, AG14, BDp16, CZD15, CR12, CvW12a, CvW12b, Dua10, Fil13, HHC+10, KS12, MEM+11, QA13a, Rtv16, Rei12, RCH16]. **One-Loop**

[ADH+17, DLU18, ABB+14, Ano10a, BBU11, CEZ16, CGH+11, DDH17, Fen12b, Feh11, HEF12, KKS18, Pat15, Pat17, Per14, vH11]. **one-particle**

[LS19, Liu11, Liu13]. **one-shot** [Hls12]. **one-valence** [MCA17]. **one-way**

[OAKS11, Ter17]. **OneLoop** [vH11]. **onestep** [BDPM15]. **Onia**

[Sha13b, Sha16]. **online** [HDF+19, Mis13, PR14, TdAdSS11], **only** [Sta14]. **Open** [BCP+16, CYOS19, CDR+15, DSK19, DBLF16, JWC18, MMY+19, SH18, WGG16, WGG+19, AZ17a, AZ17b, AFZ17, AFZ18, ATCZ19, CMC+15, CLJ12, CFW17, CCHL11, Dan11, DGHJ19, Dat13, DBP+18, FLA+16, Faw10, FJK+17, FLW17, HSF+15, HKvH16, HWM+15, Hua17, ILZ+19, JNN12, JNN13, JMG+17, KDM17, KPK+17, KSH14, Kpor18, LPC+15, LZ11a, LZ11b, LZ12, LS13, MZE13, MVS15, MGFRG12, NMS14, NGCI+12, ORS+14, PLCC12, Qia16, Qia17, STA18, SV14, SC16a, SPAW17, SAHP15, SDL+16, TL17, TAC15, TVT+16, VBG+10, VDA+19, VS19a, VB19, WFDK19, WVF14, WPAD14, WZS+18, XAP14, ZCG17, Zag14]. **open-shell** [Faw10]. **Open-source** [BCP+16, CYOS19, CDR+15, DSK19, DBLF16, AZ17a, AZ17b, AFZ17, AFZ18, ATCZ19, CMC+15, CFW17, Dan11, DGHJ19, DBP+18, FLA+16, HSF+15, JNN12, KDM17, KPK+17, KSH14, LPC+15, LZ11a, LZ11b, LZ12, MZE13, MGFRG12, NGCI+12, SC16a, SPAW17, SAHP15, TAC15, VBG+10, VB19, WPAD14, WZS+18, XAP14]. **OpenACC**

[GM18, HTJ+16, Kom15c, SCJH19]. **OpenAtom** [KMM+19]. **OpenCL**

[BLPP13, BHW+12, BBH+15, CP15a, HD11, KM10, MAIVAH14, O11, RBB15, TKP15]. **OpenFOAM** [Cha19, CL13, DBMR18, LBR+18, LNS15, MTE17, MRL19, SXX14, WBS+18, ZCG17]. **OpenFOAM(R)** [JHH+19]. **OpenFFPC** [HMR+19]. **OpenFPM** [ILZ+19]. **Opening** [JWC18]. **OpenMM** [BCFR15]. **OPENMP** [OKM12, CBYG18, GSMK17, KT10, KLM+19, LYSS+16, SSB+16, YHL11, YSV+16, YSM+17]. **OpenMP/MPI** [LYSS+16, SSB+16]. **OpenPhase** [TSK+17]. **openPSTD**

[HKvH16]. **openSMOKE** [CFFR15]. **opensource** [MGR16]. **operated** [LM19]. **Operating** [SC14]. **operational** [dHLV12]. **operations** [CB18]. **operator**

[ABB+16, ABF19, BK11a, BW12b, BBF+10, BF10, DGS+19, Eks11, GTS14, JHL+15, KAK12, MWI+19, NNW15, PB16, Ram10, Sch14a, STY15, Zit11]. **operators** [Bra15, LYL+17, SDL10a, Vit19]. **Opinion**

[YH15, CHDF10, IBKK11]. **OptaDOS** [MNPy14]. **OpThYLiC** [BCTP18]. **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, LLMW17, MNPy14, NJS17, OCL+13, PM14, SSM+17, VEB+18, VCD16, WX11, WQ18, ZHCR18, ZYL+19]. **Optics**
[NSH +19, Dem13, KAH18, SWS +12]. **Optimal**
[FBHB17, KKCC19, MLEM19, CNMC10b, DJ14, FSF11, FJ19, Hoh14a, Ike18, MFS +10a, PSBT12, PGMU19, RC18, SH18, SJHS19, XLL15]. **optimality** [KL14]. **optimisation** [FBHB17, KKCC19, MLEM19, CNMC10b, DJ14, FSF11, FJ19, Hoh14a, Ike18, MFS +10a, PSBT12, PGMU19, RC18, SH18, SJHS19, XLL15]. **optimised** [IZRT15, RWKS15, Wei12, BCTP18]. **Optimising** [Rei10]. **Optimization** [BS14b, DF14, DCGG13, FGR14, MCY +16, SG15, ATA +19, ACdS13, AZM14, BS15a, BK11, BPS +16, CM10b, CLH +17, CQJ +17, CGX +19, DBJ11, FSJ +16, DRI +16, GWY +16, GD14, Has11, HWL +17, HJL +14, HVMR10, HKVR10, JKG +18, KPA13, KKH +14, Kra11, KH19, KUV +15, KL14, LM19, LHL16, LCR10, MR14, MBGV15, PCVZ11, QwWL +15, RMS +12, RLL12, SHW18, SWL +15, SZM +14, SKH +10, TTT16, VvAV +11a, VPP +12, VHP +15, Wei18, WLZ17, XLCW14, YZZ +17, YLYL17, ZBMM11, ZPvR16, Zlo14, dASJC +19, vRWS14, PE17]. **Optimizations** [iSYS12, WRFS15, BDL +19]. **optimize** [TVZ +15]. Optimized [Cha16, CF17, DRR16, HLLH16, JLB +16, MAIVAH14, Smi16, BD10, CNM10a, FDWC12, KD17, KAS12, LW14, LW16, LBP15, SEW14, SEU14, TVT +16, vSGB +18]. **Optimizing** [BS18, BGG +15, De 11, GBN17, MdMV14, RKVL14]. **Optimum** [PCVZ11]. **OptQC** [LWC14, LW16]. **OPUCEM** [ÇaSÜ11]. **ORACLE** [WS11b]. **ORB5** [MBB +19]. **orbifolder** [NRSVW12]. **orbifolds** [NRSVW12]. **Orbit** [BDBV12, CL14, CFF19, HSK +12, Nis11, PCGM14, RE12, WX14, WLH18, XGH +19, MPS13]. **Orbit-based** [BDBV12]. **orbit-following** [HSK +12, XGH +19]. **orbital** [BHT19, CM15, CXH +15, Cor14, FGR14, HHS +10, KT12, KST14a, KAS12, MSS +16, PS14, PVK +18, QwWL +15, SGW17, SGSG19, SMGK19]. **orbital-based** [BHT19]. **orbital-free** [CXH +15, HHS +10, KT12, KST14a, MSS +16]. **orbitals** [BCC +18, Ert15, KTB17, KCA +15, KBSP19]. **orbits** [BRB12, BDT15, KKH16]. **orchestration** [CCdC +11]. **order** [AAD13, AAD14, Abd15, AGH +16, AH13, Adm12a, Adm14, ACdM15, ADMD15, ACdM19, BBL +13, BKV16, BL19, BK16a, BCT17, BVC13, BTT12, CFMR10, Cap13, CZ18b, CD15, Cha16, CD12, CR12, DBMR18, DJ11, DZ13, DDMN16, EG +18, FG13, Fu19b, GLPQ11, GGGH14, GJ14, GA10, GPS +13, HSF +19, HZ11, KKV19, KMS14, KOI14a, KBB +17, Koh15, Kol14, LX12, LV15, LW14, LST15, LLX16, LsSZ14, LW14b, LWV18, MC16, MF17, Ma19, MD10b, MK19, MLK +17, MLK +19, MO14, NS15, NO12, PZZL19, PTK15, PVK +17, PM13, Qia10, RL10, RHH +12, Sch14b, SR12, SVV19, SSH +13, SS13b, SA15b, SC16b, SBPD19, SB11, SOK13, SS10b, THDS16, TY10, Tai11, VDF15, VL19, VEB +18, VV16, VV16, WWS10, WDR16, WC13, WP10b, WWR +16, WYSW10, WT15, XHLUF +18, XQ19]. **ordering** [ZHL13]. **Ordinary** [NO12, ADdM12a, ACdM15, ADdM15,
[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, EKDGG15, FFT+14, FBl9, GGI+13, GMF+17, GSMK17, GCH+18, HlV19a, HvAs+13, HCSW10, JKSi16, KPPC13, LBM+14, LKL11, LT15, Mau16, NCH15, NF1+19, NZQL14, PHi11, QLE16, RRCSCJ10, RNdB19, RD10, SD15, SO19, TSK+17, TSTT13, TMS19, US16, VHP+15, WC10, WYH19, YSL19, YRR13, ZPH+15, ZHC16, ART17, AL17, BMC+11b, BS13a, BS14a, BBP+17, BHS18, BCW13, Boe14, BCM+16, BS18, BHND16, BENK+17, CCL18, CH18, CR12, CUL+17, CSK+19, CDR+15, DBDP12, DN18, DJW+19, DSS+12, DUE12, ER19, Fan19, FZ16, FZY17, FKS+19, Gai17, GP13, GW16, GST17, GS17, GS17a, GZ18, GX15, GRLS18, HAV+14, HOPF15, HMR+19, HZ19, HPN18, HBI+17, HCHW11, ILZ+19, JEF14, JL19, JHL+15, KVV19, KHS19, KOG17, KHZ18, KD17, KBB+17]. parallel

[LAA+10, LSG+12, LHH+12b, LHH+12a, LS12b, LH11, LW14, LW16, MDW16, MI1+13, MM17, MCA17, MSI+10, MG18, MGR16, NOR15, NFA+16, NPA11, Ngu17, NM14, NFS15, OCF10, ORS+14, PDC14, PG17, QL10, Qia17, RJ11, RK19, RFSF18, RBB15, SL16, SSt+17, Sch18, SDS15, Sha13a, SOM+13, SC16b, SOJ14, Ste17, SMG14, Str15, SPS18, Sus17b, SSM+17, TTT16, VPK14, WMK11, WE1+19, WAHL13, WSH+12, WC15, WRLdL15, YHL11, YLQ+17, YL12, YB13, Zaf14, ZAFAM16, ZSW+17b, ZMJ13, ZBN+19]. parallel-adaptive [GX15]. Parallelisation [MFH+13, Roh16, SCC+12]. Parallelised [FKH15]. parallelism [BS14a, BKS15, MGDC+12, TGH+16]. parallelizable [Sni14].

Parallelization [HBE10, MiH12, ASPW13, BW12a, CW+17, DKG+14, DO14a, GLAC13, Giu19, JFC12, KEH12, KSY17, LKM+16, LW14a, ML17, OLG+16, PMS+15, RGH10, SCB+17a, SSt+18, THDS16, TE18]. Parallelizable [SST11]. parallelized [GJB11, HHS+10, OKM12, TKL+12]. Parallelizing [TD11]. Parameter [DMP18, Mau16, dASJC+19, Ber16a, Ber16b, BHVMH15, BFM10, Che17, GCVA14b, JWC13, LAS+17, LHL11, Mel19, MKR+12, MD10b, PM13, PHi11, Yam16]. parameter-free [PIH11].

Parameterization [AANAJ12, KHKR14]. parameterized [KL14].

Parameters [COSU11, DBP19, HM12c, KKCC19, KPV16, MDPTTC17, MPS13, OO15b, PG10, RKVL14, SZM+14, WDR16]. Parametric


[DHJ13, FBHB17, GCVA14b, HK15, Ji15b, JK13, MJ+10, SGDS16]. partially [McM17]. participating [CAN11]. ParticLE
[KDP+14, BOPL17, BJM15, BKPT12, CBAM12, CDR+15, DS11a, FHTO17, GLHG12, GRLS18, HPKF15, HZW+16, JBKM15, JFHA19, KS16a, KKK+17, LBM+14, MDPTK15, NHSY15, QL10, RNdB19, ÜS18, VGM+15, AM14a, ASWP13, AGMS15, ABCM14, AGB+15, ABRSL2, BCH11, BPB+17, BBB+17a, BEMS17, BDL+19, BS15b, BE14, BTL+17, BCDP18, BDGG19, BY17, CH19, CATK11, CPW17, CC14, CC15, CSJ+17, CL11, CSSB15, CFF19, DCM+12, DET12, DGPW11, DF14, DPB+18, Dev12, DCVB+13, DCGG13, ENEO15, EKO16, ERI9, EKK14, EW14b, Evs14, FLW17, FJ19, FN17, GWF+16, GKM10, GSKM17, GAHP+15, GD14, GZZ19, GH15, HBE10, HKJ+12, HAK+14, HCSW10, ILZ+19, JXTS16, KB15b, KRK16, KKG+15, KPA+19, KD+11, KVD11, KPPC13, LJE11, LS19, Liu11, Liu13, LOK+18, LQ18, LTP16, Mag18, MDPTTC17, MKL17].

particle  
[KMK+12, MF17, MST+18, MH18, Men11, MEM+11, MBGK11, MGG13, MAM14, MTO15, MNC15, MÜLL14C, NFD+19, NP19, NFS15, OBPL19, OCM+19, PR14, PPMF15, PG17, PBS+17, QL10, RKVL14, RAV11, RK19, RH17, RFA10, SSS+11, Sch14a, SS14, SLW+15, Sie16, SN16, SM11, SBPD19, SSP16, SKK17, Sok13, SYE+18, SMCB+15, SMGK14, SBL16, TK14a, Tau10, Tic14, TaSS11, UW12, VBG18, VBM15, VB19, VMFS16, WHG+19, WRFS15, WZS+11, WXW13, WXW14, WWC+16, WLQ+17, WN10, Wei12, WSH+14, WR18, XSH19, XLX13, YZZ+17, YK19, YLN17, ZSW+17a, ZLFM11, dASJC+19, CDBM16, CHZ18, DS14, FJ19, IBP+15, KC18, LK+16, PE17, PPMF15, iSSMI11, SV10, SBE+16, VLL+17].

Particle-based [HPKF15, JFHA19, WSH+14]. particle-beam-dynamics [KPA+19].

Particle-field [QL10]. Particle-In-Cell [PG17].

Particle-continuum [SYE+18].

Particle-field [QL10].

Particle-continuum [SYE+18].

Particle-continuum [SYE+18].

Particle-continuum [SYE+18].

Particle-continuum [SYE+18].

particle-mesh [BCH11, ILZ+19].

particle-pair [RK19]. ParticleRecognition [Nov17].

Particles [ATW+19, AFIS12, CHNS18, ES16, ECCB+14, EGGW12, GBJ+15, Gwi12, H16, MDPTK15, MMT+11, MFLY19, PCEM14, RC18, SKK11, SMGK19, TJJ17, TD17, Ume18, Ume19, VC10, ZHCR18].

particulate [ZLFM11].

partition [HCH16, LKL11, Lee18, RMC16, ZMCT12].

partitioned [BY17, EPP12, FZ16, KZC+10, MKS10, WXL13].

partitioning [HJH17].

partly [KH12].

Parton [CGO17, BCH17, CUL+17, SYZ+12, SYZ+13, War16, ZYL+15, vH18].

parton-interaction [CUL+17].

parton-level [vH18].

parts [Fen12b, Kan14, SS13C, ZYL+19].

passages [JU17].

passing [TST12, XNK+16].

past [TKL+12].

PASTA [KBLJ18].

Path [NSZ14, AG11, Bra15, BGN19, CMM14, LA13, MTS+16, MNV13, Min11, RGRK17, WFM14, ZBG+16].

path-integral [ZBG+16].

pathology
Plane-wave [MBF+10, LT15, MED11, MS11, PDC14].

planning [CLH+17].

Plasma [KC18, ZCC19, ALA+19, AAJA14, BMU11, BRL12, BT17b, BEKP19, CLW11, CGSB18, CXL19, CHH+11, DBP+18, Evs14, FRFH10, GBSY18, HKF+12, HO13, HBP14, Hon10, Hon18, Hsu11b, KYKN15a, KYKN15b, KTE+12, KMD12, KM17, KRK15, KSY+13, LOJ+18, LDR+17, LHH+12b, LH+12a, LJ+19, LDF+16, MPS13, MLGVE14, MKU+12, MCM+12, ML14, MN18, MMA15, MSM+11, NNWS15, OBPL19, PYW+14, PBD+15, PD10, Ram10, REnVH12, SCB+17a, SCB+19, SLR+11, SLEF17, SBE+16, THDH14, TL19, sX14, sX19, XYM+13, Yan09, ZFR18].

Plasmas [AM19, BSM13, BT17a, BDBV12, BB13b, CHH+11, CFF19, DS11b, DOP17, FR15, GB14, HKJ+12, HAK+14, KGG+16, LXR+18, LH11, LHH+12a, LHH+12b, LRK13, MF17, OILK17, PHT+19, PML+18, PDL+18, Pra11, SGM11a, SGM11b, TTG11, dSFdFF13].

Poisson [Fis12, GVR19, NO12].

Polarization [KAvdL11].

polyelectrolyte [HB13].

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population-based [VPP+12].
portable
[CDSG11, HTJ+16, RDC+18, RBG+19, SGM18, SS13a, VLL+17, dBCH14].
porting [HD11].
poster [LLP15].
Positive [Has11, XZF12, SMdONF14].
Positivity [SP18b, dTOV18]. Positivity-preserving [SP18b, dTOV18].
positron [GGGH14, Gre18, Kol15, SMOB19].
possible [´ASTT16].
post [LAA+10]. post-processing [LAA+10].
posteriori [CLL16]. Potential
[MCY+16, AM14b, BBF+10, BNAB11, DBDP12, DR12, FMRP16, FZY13, FPY+17, GC10, GC13, GC16, GC18, GCK19, GB11, HSF+19, JH15, JZZ+19, LCQF18, LWES18, LRR+17, MC16, MEG12, MAM14, ORCR17, PBMD12, PH11, PB16, RS12, RFPM+17, SGS16, TM14, WZHE18, WN19, Wt14, XNK+16, XD13, XHD15, ZHCR18, ZY19a, ZMPT13, ZFBR11]. potentials
[BNV18, BL14, BY13, BSWC14, DT18, DHR14, Erm18, FCVH17, GH11, GD14, HLZ+13, KK14b, KHKR14, KHN19, LYJH19, Ngu17, OPO+11, OP13, OR14, THDS16, TVZ+15, WY17, ZC12]. POTHEA [GCVA14b].
POTLIB2Math [TM14]. Potts
[DG16, Boe14, FDWC12, KO13, KO14b, KO16, MEG12, NCHN15, TD11, XZF12, dSLF13]. Power
[ZLL18, CC10a, CHC+11, EZBA16, SB11, SW12b, UW12, WWC+16, WCT11].
power-law [WCT11]. PPA [OK12, OK18]. pphDEM [NMS14].
Practical
[ABH+19, Dan12, EPS15]. Prager
[GCH+18]. PRAND [BS14a]. pre
[DDJ+19, RU13]. pre-determined [RU13]. pre-exascale [DDJ+19].
precipitation [XHL12]. Precise
[CKCS13, NKS15, ZY19b]. precision
[AG12b, BDT15, CMRVVR+14, CMRVVR16, CBB+10, CH11b, GBJF14, HS19, KB19, LGW13, LM16, MW19, MNO011, NO12, RCGT16, SLK19, SMGK14, TC12]. Preconditioned
[EFK+19, HKZN17, LHJZ10, SAY+18, SPP19, TKS10, VBS+17]. predict
[LOV10, Pra11]. Predicting
[rJmYT11, WS11b, YS17, ZZH+16]. prediction
[AFZ17, AFZ18, ATCZ19, BK13a, DBD+17, FLA+16, Lin14, LZ11a, LZ11b, LOSZ13, MW19, MW14, SLY18, WLZM12]. predictions
[BBH+11a, DGPW11, KKK+15, Pt10, RH11, SAE+16]. predictor
[PS11, PS14, SD10b, SA15b, THY+15, Uya19]. predictor-corrector
[PS11, PS14, SD10b, SA15b, THY+15]. predictors [Adm17]. Preface
[HS11, Hsu11a]. preferences [DMC+15]. pregnancy
[ZBMM11]. preperation
[Rut18]. prescription
[Deu16]. presence
[BT17b, DC+10, JPK+12, Nis12, RS12, SD14]. Present
[Pat12, GFJ+14, TIMM13]. preservation
[MD11a]. preserving
[BST12, CWJ19, CM14a, CEF16, MF17, MN18, Miy15, Sal16, San15, SP18b, WXL13, WM13, YZ16, dTOV18, NO14]. PRESHERW [HEPW13]. Pressure
[HYM11, CHH+11, GAHP15, LHH+12a, Maž19, MLK+17, MLK+19, NKS15, SHW18]. pressure-dependence
[Maž19, MLK+17, MLK+19]. Pressure-induced [HYM11]. price
[KCL11].
price-price [KCL11]. primal [VvAV+11b]. primal-dual [VvAV+11b].
primary [MFLY19]. primitive [Ray10]. principal [MLGVE14, WLM14].
Principals [NF11]. principle [CS17, Deg15, Evs14, SQL+10].
principles [CS17, Deg15, Evs14, SQL+10].
Primary [MFLY19]. primitive [Ray10]. principal [MLGVE14, WLM14].
Principals [NF11]. principle [CS17, Deg15, Evs14, SQL+10].
primary [MFLY19]. primitive [Ray10]. principal [MLGVE14, WLM14].
Principals [NF11]. principle [CS17, Deg15, Evs14, SQL+10].
primary [MFLY19]. primitive [Ray10]. principal [MLGVE14, WLM14].
Principals [NF11]. principle [CS17, Deg15, Evs14, SQL+10].
HHS+10, HL19c, JPSS10, Jia18, KKSY18, KNS+17, Kob13, Kol14, KS12, Kra11, LHC+12, LZL11, MCV18, MUU18, MCA17, MPS13, MLW+10, ME18, MNV13, MBG18, MBGK11, MSNI11, NGG+13, NGM+10, ÖN14, OKM12, dlrJL14, PCR17, PSL+17, Pit12, Pos18, RDP14, RFPM+17, SZY+12, Sai10, Sar17b, SSQ+10, SSB13, SDM+12, SDS+17. program [STY15, STY18, SZM+14, SS10a, SLLP17, SSK+13, TVZ+15, TS11, UW12, Ver16, XMCL16, YKK+19, YLTS16, ZF16, ZBG+16, ZKW+15, ZYX15, ZSW+17a, ZMCT12, ZZD15, ZZ17b, ZHL11, Zło13, ZUT13, dB14].

programmable [Rap11]. programme [KB19, LTP+17]. programming [BY17, EG'T+18, GRTZ10, JTW+17, LSYZ12, SV14, iSYS12, TSTT13, VvAV+11b, VvAV+11a, WMK11, YHL11]. Programs [HL19b, ABB+14, Ano10o, AC16, Bjö11, CL15b, HD11, JCL10, JZZ+19, KO14b, Kom15c, KO16, KPST15, KYSV+15, KLM+19, LCJ10, LBB+16, LYSS+16, SSB+16, VVB+12, YSVM+16, YSMA+17]. ProIO [BABC19].

Programs [HL19b, ABB+14, Ano10o, AC16, Bjö11, CL15b, HD11, JCL10, JZZ+19, KO14b, Kom15c, KO16, KPST15, KYSV+15, KLM+19, LCJ10, LBB+16, LYSS+16, SSB+16, VVB+12, YSVM+16, YSMA+17]. ProIO [BABC19].


Project [GTK+19a, BBC+13b, DBK+14, GAC+17, LKPH19, LSJ13]. Projecting [BHS15, DHS14].

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 [Fri17]. protein-surface [CB16b]. proteins [BBH+10, BH+12, BBH+15, BS16, CZ14].

ProtoMD [SMO16b]. proton [BS13b, Gin10, KMO19, MSNI11].

Q [SKB10, Wan10b]. Q2DTor [FCCTFR18]. QBH [Gin10]. QCD
[AC15, AC16, AC18, BLPP13, BBUY13, BK13b, BCS10, BWWM19,
BBC+11, BCDI12, BS13b, Bot11, CB13a, CDS+13b, CBB+10, FK13,
GM18, HKK11, JPSS10, KP12a, Kan18, LCL+11, LS13, MWL+10, NIK+12a,
NS10, STK10, SV13, TKS10, WL11a, War16]. QCDLoop [CEZ16].
QCDMAPT [NS10, NS11a]. QCDMAPT_F [NS11a]. QCDNUM [Bot11].
Qcompiler [CW13]. QCWAVE [TJD11, Tab16]. QDENSITY [Tab16].
QDENSITY/ QCWAVE [Tab16]. QED [BCR14]. QEDMOD
[STY15, STY18]. QEDv2 [SV14, Vuk12]. QEngine [SJHS19]. qha
[QZWU19]. QIST [HWM+15]. QLM [Kri12]. QM [MMSF+15]. QM/MM
[MMSF+15]. QmeQ [KPK+17]. QQbar_threshold [BKMP16]. QRAP [SKB10]. QSATS [Hin11]. QSWalk
[FRW17]. QSWalk.jl [GMO19]. Quadratization [XYZX19]. Quadrature
[SPSP18, AG12b, AAT17, BK12, HKPF19, JPM12, Ji15b, MS10, MN10,
PFFK19, PTS12, Sch14b, Shi16, PSP16]. quadrature-based
[BK12, HKPF19, PFFK19]. quadratures [PPY14]. quadric
[ASPD+16, DSP10, GB+14]. quadrilateral [LWRQ16]. quadrupole
[TUY15]. quadrupoles [SBPD19]. quadtree [TE18, TK19].
quadtree/octree [TE18, TK19]. quality [SNC+13]. quantification
[CNS+14, KZ14, O015b, O015a]. quantitative
[BHH+10, BBH+15, CSC11, LN16, SSM+17]. quantities
[KFF+16, LCH11, WHG+19]. quantity [CLH+17]. quantization [Zit11].
Quantum
[BDK11, BG11, CW13, DSW15b, DS13b, FGGM11, GRTZ10, KYY+17,

radii \[GR19\]. radio
[ECD+10, GB14, KMD12, KM17, KSY17, SVG10, TRM+12, TUY15].
radio-frequency \[GB14, KMD12, KM17, SVG10\]. radio-map \[TRM+12\].
radio-biological \[KEH12\]. radiography
[BL18b, WHB16]. radioisotope \[WT12\]. radionuclides \[GTPS19\].
radiowave \[OAKS11\]. radius \[KB15a, SH12a, XGH+19\]. raft \[MD11b\].
Raman \[CLY11\]. ramp \[Hon10\]. ramp-up \[Hon10\]. Random
[DVB11, NHID16, RNB19, AM14a, ASPW13, BS11, BS13a, BS14a, BJCW13,
BCJW13, BPSS18, CSRV13, Dem11, FLP10, GP13, GAHP15, GBS16b,
Hal17, KC14, KS16b, KMS19, KD16, LS15a, LSG+12, MKMK10, MH11,
Misi2, Mis13, PPS10, Rom15, Sav15, SS13a, Sib17, SW11, TC11a, UO15b,
WRdL15, XZF12, YZZ+17, YLO13]. random-bond \[XZF12\].
random-field \[SW11\]. randomly \[SKML11\]. RandSpg \[AZ17a, AZ17b\].
radiography
Renormalization [LSSW14, FSC13, HB12, KK16b, MK19, NBN+14, PO14, RGH10, Sta11, Trö11, Ver16, WPAV14, LSR+17]. renormalized [FHH+14, GZL14]. reorthogonalization [JK13]. repeated [OK14].

replacement [YZCS18]. replica [Boe18, GXF+15, GJB11, IIO16, IFOI18, JJ15, LRC+11, LK15, UO15b, UO15a, HL19a]. replica-exchange [Boe18, GJB11, IIO16, IFOI18, UO15b, UO15a]. Reply [MLK+19].


[Wu10, Bla15, FLW10, FMW10, LWYW11, MHWH19, YWYF09].
RKN-type [Wu10, FMW10, YWYF09]. RLW [MC12]. RMHD [Mar15].
RNGAVXLIB [GBS16b]. RNGSSELIB [BS11, BS13a]. Robin
[RTA10, SN16]. Robust
[CS17, GN14, ACdS13, CPV13, Den10, KV19, TZM17, dlRL11]. Roe
[TCP13]. role [BNAB11, GAHP15, Has11, HH11b, PDJ10]. rolled [NJS17].
ROOT [Ano11o, Car10a, Car10b, SS18, ZHL11]. Roothaan
[BW14, SEW12, SW14b]. roots [Zou18]. Rosenbluth [GB17]. rotating
[JWC13, KLM+19, LCCC11, TZM17]. rotation [BSM13, DIR+19, Ume19, VDAH16]. Rotational
[AS11a, KSW12, CATK11]. rotationally [HC17, QwWL+15]. rotations
[OML11, PUO14]. Rotne [GCH+18]. rotors [ZBG+16]. rough
round [JCL10]. round-off [JCL10]. roundabout [wH15]. route
[CMR17, SDL+16, mZXL15]. route [BDGG19, RM10b, WP+15].
routines [KMO19]. rovibrational [CNC10a, CNC10b]. RPA
[CCGC13, DSW+15a]. RPIM [DG10b]. RPMDrate [SAG13]. RPYFMM
[GCH+18]. Rubik [CD12]. rules [Nog17a, Nog17b, Sem16, WL11a]. run
[GHcF10]. runaway [LSF14]. RunDec [HS18]. rung [DSW+15a]. Runge
[BM13, CFMR10, DBMR18, DIP11, DM17, FG13, fins12, KMS14, KZ+10,
KAS12, MIW+12, MKS10, NS15, WXL13, WW10, YZWR14]. running
[CDS13a, KPV16, SS12]. Runtime [ÜS18, ER19]. RWG [ZDHY10].
Rydberg [SPAW17]. Rys [AG12b, Sch14b].

S [BL18a, Maž19, XYZX19, BFD+11]. S-IEQ [XYZX19]. S/PHI/nX
[BFD+11]. Saas [VPVMH+17]. SADE [FF11]. SAFT [ESM17]. SAFT-
[ESM17]. Sailfish [JK14]. SALMON [NSh+19]. Salpeter
[GGG16, GVS+15, SAW18]. sample [MP11, HJE+19]. sampled
[GGG+19, ME18]. samples [MPSV15]. Sampling
[BBV+16, Hal17, KBT+14, RPB+15, BFM10, Boe18, CND11, FLE19, GM14,
IIO16, IF011, KCH+18, KN18, K11, KL11, KS16b, KSW15, KS15, LWL12, PPS10,
RLB+14, Sot19, SOYHDD19, SBS15, TBZ12, WHL+12, WIl15, XL15,
YK10, YLL12, ZF15]. SANC [AAB+10a]. sandpile [AS11a]. Sar [TU14].
SARAH [DNPS13, Sta13, Sta14]. Sassena [LS12b]. SASSIE [CRNK12].
satisfactory [GDT17]. SALTAS [GdGB+18]. saturated [HJHG14]. saw
[BBC+13a]. SAWdoubler [SB13]. Saxon [DT18, MAM14]. Sb [AM14b].
SbNCa [BKA+14]. SC-NBL [KH19]. Scala [Pos19]. Scalability
[ZZG+16, APC+14, SCM13, VV18]. Scalable [ASA18, AIG16, KMM+19,
NSH+19, VFV19, BL19, BVC13, BY17, BHND6, BENK+17, DJH13, DG10c,
FWS+17, GGI+13, GP13, ILZ+19, JPH+14, KCI8, MTM13, VBG+10].
scalar
[AHK+12, BMS+16, CEZ16, LS19, LZZL10, PQTGS17, SAHP15, vH11]. size
scales [HCM19]. **Scaling** [ZMJ13, AS11a, BH14b, BH16, CCWL11, FUSH14, FVH18, GNA15, GYW10, HHS10, JWCW17, KBB17, LD10b, MMO17, OOK12, RWKS15, YKK19, dSVLP13, vMB14]. **Scans** [Fer15, PSMS14, PSMS15, TCK15, MAC12]. **Scans** [Mau16]. **scar** [TTS11]. 

**SCATCI** [ART17]. **scatter** [LP15, MTO15]. **scatter-gather** [MTO15]. **scattered** [End11]. **Scattering** [BD12, AV13, AKR15, AFIS12, Bab14, BH16, BH17, CKLM10, CAN11, CRRB14, CRNK12, EW14b, EW16, GLAC13, GMC18, HC16, HHT14, HL19c, IB11, Jab17, KC14, KB15b, KL11, KvdO11, LHJZ10, LN16, LS12b, LWE18,LAG17, MLR10, OK14, PNL13, PR10, PKRS16, SMOB19, SNG11, Ser10, SKML11, SAS11, SDL16, TACA15, TVGB15, WJCF19, ZHSL13, ZYL19, ELL17a, XNK16].

**SCBiCG** [GCHL15]. **scene** [CFCB12]. **scene-dependent** [CFCB12]. **SCF** [WPD15]. **Scharfetter** [PFFK19]. **Scheduler** [ALS16]. **Scheifele** [YZZ11]. **scheme** [AAD13, AAD14, ACM12, ACML11, ACTP15, BM13, BBC13a, BE14, BMBC17, BB12, CWS14, CZD15, CYN19, CWY17, CEF16, DJ11, DM17, DOP17, DML16, EW14a, EW14b, EEW12, FOB15, Fu19a, Fu19b, GN14, GRLS18, HP14, HZ11, Jiw15a, JSLM16, JP10, KC14, KHK11, KZC10, KP14, LJE11, Les16, LS12a, LLXK16, LL19, LWE18, LB10b, MWI19, MKU12, MS14, MF17, McM17, MN18, MAA15, MBB19, MS15, MD10b, ICD13, NO14, NAQ16, INSK15, OKM12, PZZL19, PA13, QSC14, RHW12, RH11, SP16, SR12, SK15, SSH13, SCL16, SD10b, SA15b, SC15, SB11, Sok13, SW12b, SCM14, TKJ19, TD17, TYH15, TCP13, UNK12, WZS11, WG16b, Yua19, ZY19a, ZNT15, ZWC19, dTOV18]. **scheme-independent** [Les16]. **schemes** [ACMM10, ACM12, BK16a, Cap13, CBAMI2, CM14a, DBMR18, DJ14, FDZ17, GA10, GLW14, HWS16, IIJ14, IKS19, JKIS16, Kaws19, KPvdH13, ILsSZ14, LYL17, MIW12, PFK19, PTMDPK14, QA13b, SP18b, SYE18, Ume19, XHLUF18, XYK12, XYZ19, ZYS19, ZKS18, dLRM18, vDS10].

**Schild** [WN10]. **Schmidt** [CBGY17, CBG18]. **Schnek** [Sch18]. **Schotte** [Gor19]. **Schramm** [SW11]. **Schrödinger**

[ABB13, ABH19, BAR12b, CWS14, Cap13, CPV13, CZS10, CSJ17, DT10, DT11a, DM17, Du10, DM12, FE11, GS15, GG16, IKS19, Ixa10, JYPA18, KZC10, LV14, LWZ14, LST15, Lin13, LB10b, LY16, MC16, Moh14, ICD13, MNO11, ON12, PAS11, PM16, QSC14, SFV19, SSH13, SB11, TD14, TT14, TY10, Wan10a, Will19, XZ12, ZST11]. **Schrödinger/Gross** [ABB13]. **Schroedinger** [SmDF14]. **Schur** [UKKB19]. **Schwarz** [HLLH16, HCSW10, TVT16]. **Schwarzschild** [JLM18, Jia18]. **Schwinger**
RKGC$^{+17}$, Sal12, SBH$^{+14}$, SCC$^{+12}$, SSF$^{+17}$, Sch18, SM19, Sha18, Sic16, SS11b, SBPD19, Sit18, SVG10, SKM15, SMCB$^{+15}$, SBL16, SBE$^{+16}$, TJD11, Tab16, Tan19, Tau10, TL17, Tic10, TVGB15, TMS19, TIMM13, TGH$^{+16}$, TCCV18, TMD1, TB14, TIM$^{+16}$, TPC16, VDB14, VPMVH$^{+17}$, VRV15, VEM12, VK6, WP11, WS11a, WGVPL17, WGG$^{+19}$. **Simulation** [WSI13, WBY11, WBS$^{+18}$, WT12, WL11b, WLZN17, YLQ$^{+17}$, YBNY13, YLKN17, YG12, ZFH14, ZXL16, ZZD$^{+16}$, ZHG18, ZHC16, ZPvR16, ZBN$^{+19}$, ZLFM11, dHIV12]. **Simulations** [APRG11, Bab14, LDW13, TKL$^{+12}$, AM14a, ASGLK10, AK15, AD15, AGB$^{+15}$, AMJ18, ABR12, BJBC$^{+14}$, BB8$^{+17}$a, BT17a, BB13a, BLS18, BS15b, BSC$^{+13}$, BFIP12, BB$^{+13}$, BBS14, BDBV12, BVP10, BG11, BTL$^{+17}$, BCDI12, BBL13b, BY17, BC19, BBV$^{+16}$, CDS13, CB15a, CB17, CB18, CTT17, CM14, CHA11, CXH$^{+15}$, CLL16, CW16, CCL18, CL11, CZGC19, CPHL14, CFF19, CBGY17, CH11b, DZ15, DS13, TCCV18, TMD11, TB14, TIM$^{+16}$, TPC16, VDB14, VPMVH$^{+17}$, VRV15, VEM12, VK6, WP11, WS11a, WGVPL17, WGG$^{+19}$. **Simulations** [WSI13, WBY11, WBS$^{+18}$, WT12, WL11b, WLZN17, YLQ$^{+17}$, YBNY13, YLKN17, YG12, ZFH14, ZXL16, ZZD$^{+16}$, ZHG18, ZHC16, ZPvR16, ZBN$^{+19}$, ZLFM11, dHIV12]. **Simulators** [CP15b, ATW$^{+19}$, DJW$^{+19}$, IW15, MBRV$^{+13}$, NSH$^{+19}$, PR14, ZAFAM16, KDP$^{+14}$]. **Simultaneous** [Kra18b, SGDS16]. **sinc** [MM10]. **Sinc-collocation** [MM10]. **Sine** [SW14c, AH13, DG10b, GMHZ19, JPM12, MD10a, Pål12, PTS12, dHIV12]. **Sine-Gordon** [SW14c, AH13, GMHZ19]. **Single**
SOLARPROP [Kap16]. solid [BCP+16, Bot13, CCD+16, HXW+13, JPCG15, KS16a, Min11, NGCI+12, dIRAPL11, PLD15, QDZ+13, UA17].

solid-fluid [CCD+16]. solid-solid [HXW+13, UA17].

solidification [YK18]. solids

[AKZ+13, Hin11, Jab19, MSHLS15, MSHL17, dIRJL14]. solitary

[AS11b, DS11b, DN13]. soliton [DT11a, Pål12, TD14, XLL15].

soliton-like [XLL15]. solitons [DG10b, GMHZ19, HWCH11, JPM12].

SOLPS [SCB+17a, ZCC19]. soluble [vdSM16]. solute

[DMC+15, JJ15, RNdB19, XHLM12]. Solution

[APV10, CDTV10, DS10, LHC+13, PH11, RHBH15a, RHBH15b, SDM+12, SDS+17, ACH+16, AH13, BSM13, BH16, BKS15, Bis15, CDMCN11, CSJ+17, DMP18, DT11a, DS11b, DN13, DSW+15a, FGLB12, FHI11, FM15, HKSW10, HVP+19, HK12, JK10, JL10, Jiw15a, KAS12, LD10a, LD10b, LV14, LJP12, LLQ15, Lin13, LW10, LZ12, MJ1+10, Moh14, MA11, MM10, MNC15, NFI17, ÖN12, OK14, PSBT12, PAS11, PDRG10, PR13, PTS12, PSG+17, RPA14, RAM10a, RM10b, RLM13, RGRK17, SVF19, SW14c, SD10b, SS13b, SSH16, SK14, SKS+13, VBG+10, YZ16, ZDWM17].

Solutions [Lev19, AD14, Add12a, Benu11, CZ18a, CB13b, DGST17, Er14, JW13, KMM13, Krö19, LLL12, LLL13, sL10, Mar19, MC12, MSZW11, MK10, MNO11, NO12, PAS11, PS14, SR12, TD14]. solvated [WF14].

solvation [ZPH+15]. solve

[AD14, AD15, Add12a, DG10a, JSL16, ÖN14, RJL16, SS13c]. solved [ACMM10]. solvent [CB14]. solvent-filled [CB14]. solvents [ZBG+16].

Solver [DSW15b, AL1+19, BMC+11a, BMC+11b, BKOZ16, BAR12b, BLAS19, Bot13, BC11, CVK+17, CP15a, CPV13, CCL18, CZF18, CRLS18, CRA10, CFF19, CBB14, CDR+15, DBL16, DGG13, DM12, Ein16b, Exl17, FJK+17, FSC13, FE11, FZY17, GS15, Gai17, GBP13, GJ14, GJ13, GNP19, GG16, HWG13, HZW+19, HWM+15, Hua17, HCHW11, KVV19, KDM17, KYN+17, KH12, LYP14, LW14a, LC15, LKCM14, LXY+17, LKP19, LF12, LW18V, LWP+17, LCHM10, LCHM13, MCL16, MTE17, MGL16, MR14, MCM+12, ML14, MF15, MV15, MCL+17, OILK17, ORS+14, PZY16, PMS+17, PBD+15, Qia17, QS19, RVDS16, RDVS18, RC13, RC16, SVGS18, SVS19, SKF16, SSX14, SGW17, SLEF17, TL17, Ter17, UKKB19, VL19, VV16, VV18, WFZG19, WBS+18, WC13, Wit14, sX14, YXT+15, YWOD19, Zag14, ZPH+15, ZPvR16, ZCG17, ZPS+18, HB13]. solvers

[AL17, BSK+18, BB13b, CB18, CGM17, CBB+10, CSV+18, DBMR18, DJ13, FR15, GWF+11, HC17, Hoh18, JH1+19, LV15, Qia16, VLPPM14, zYCG+18].

Solving [BAK+15, BAK+16, BAK+17, CD12, CBB+10, Dem13, DBP16, DSP15, ENEO15, Fan19, Fil13, FGG11, HAK+14, HAH13, HS14b, IHI1, JC16, Jan10, LV10, RHH12, SMdONF14, VSO+13, BK11b, BMBC+17, CS10, CKE+13, DT10, DM17, FGR14, GBS18, GX15, HLLL16, HM12b, JPSS10, Jial10, Jiw15b, LLMW17, LBB+16, LYY+16, LAG+17, MIHH19, MLS10, MM12, IC1D13, NAQ16, PS11, QYM11, QA13b, QA13a, RL10, Ras09, Ras17, SSB+16, SSH+13, SP18b, SCL16, TY10, TKS19, UNK12, VBB+12, Wil19,
Spectrum
[GSB+14, Hoh14b, HTT13, HTT14, HZC19, LCL+11, MGA+13, RMW13].
Speed [LGW13, MSR+17, CNS+18, Fu19b, JTP15, MTE17, VL19, WLM14, YvOSM15]. Speed-up [MSR+17]. Speeding [GMC18, MED11, KC14].
Speeding-up [GMC18]. Speeds [SSX14]. SPFP [LGW13]. SPH [CRLS18, CDR+15, ACMM10, ACM11, ACM12, BE14, CCD+16, CP15a, CPR12, CdlOL19, CBAM12, EDPZ19, FJK+17, JOR+12, KGFS18, KPPC13, Lan13, MRVF13, MRSD15, OLG+16, RJLL16, SYD17, SCM+18, VSO+13, VKP14, VSG18, WMRR17, WRMR19, XLX13, XD16]. SPH-DCDEM [CCD+16]. SPH/SPMHD [VSG18]. SPHop [DNPS13, PS12]. sphere [LPRPR17, ME18, RC18]. spheres [AYDY11, CKLM10, LDW13].}

[DSPJ10, GZW17, Ram14, SS13b, SPS10, WYH19, ZY19a, ZKS+18], STAG
[NCB18]. stage [CCW10, PZZL19]. Staggered
[HP14, BCDI12, DJ11, GM18, Mar15, SCLW16, TH17]. Standard
[AB10, AAB+10a, BM19, DET12, Deg15, ABB+14, ABdA15, AC17,
AMRDa17, Ano10o, Cou13a, Cou13b, GLX+14, ABC+18, BCPs11, BCP13,
HLM13, KPV16]. standing [ACTP15, BMF+19]. star [SEW12, SEW14].
Stark [CFSK14, PMMW15]. Stark-effect [CFSK14]. STARlight [KNS+17].
stars [VPM12]. start [SDJ+12]. starting [RLS16]. State
[BBRS19, RSBB14, ASEa14, BP12, BKS15, Bis15, BK11b, BtC+17, CR13,
DBK+14, DLW+18, Eba13, ELL+17a, FTI18, Faw10, FDWC12, GM14,
HM12a, JPCG15, JJJT11, JMG+17, KO13, KSY17, MBE+18,
MEG12, NDSH18, OK12, OML11, dRAPL11, Pat12, RLS16, SAW18,
SGSG19, TP16, VS19b, WX14, ZF12, dSF18]. state-of-the-art [Pat12].
state-to-state [ASEA14, BTC+17, TPC16]. States
[JWC18, ABD17, ACTP15, AM17, BR13, BVC13, CLHL19, CWW15,
Du12, FLE19, GH11, HL19b, JDB12, KHH11, LKM+16, LV13, Lru15a, LB10a,
LB11, LB12, LB13, MH11, Mis12, Mis13, MNPY14, NJS17, RV10, TS11,
XJS16, ZAHA10, dSLF13, vH18, KBLJ18]. static [Fuk17, GB17, dRL11].
stationary [AD14, ABD17, Fis12, GG16, MGL16, VDAH16, ZAHA10].
Statistical [Bin13, Mag18, SLC11, SM11, Ano11o, CRSv13, ELL+17a, Fri17,
HJE+19, KDB16, LLHC11, MW12, PMMF15, Sin11, Sin12a, VLM11, ZF15].
statistics [Zlo14, dSVLP13]. steady [Bis15, HJGL18, HJGL19, JMG+17,
KSY17, MBE+18, NDSH18, SK15, YTYA17, ZNT15, dSF18]. steady-state
[JMG+17, MBE+18, NDSH18, dSF18]. steam [CLW11]. steered [ZF15].
steering [MMC10]. stellarator [HSD17]. stellarator-like [HSD17].
stead [VV16]. stencil [DSPJ10]. step
[ABH+19, BM13, BIT12, DT10, FGR14, FFA17, GM16, JCL+18, KMS19,
Ls15b, LWyW11, MAC12, MC10, NS15, OAKS11, PAS11, PS14, Ram14,
SVV19, SB11, SS10b, Um18, Ume19, WZ13, YZz11, PPG19]. step-selection
[ABH+19]. step-size [BM13]. stepping
[AH13, DJ14, IBP+15, QWZW18, SHT18, WMI19]. Stern [CBB14].
Stewartson [GML15]. Stieljes [GLX+14]. stiff [LL12, WMI19]. stiffness
[BW11]. STM [MAC12]. Stochastic
[EPB+16, JP11, LL12, NEW+18, OKC11, PLCC12, STT11, SMJ17,
WSTP15, ZE11, ZE16, ZBMM11, AD15, BvGVS11, DBJ11, DHJ13, DSP15,
Er14, FRW17, GJLB12, GMO19, HJ14, Jk10, KDB17, KBSP12, KHH19, LP15,
NBM+15, NF17, PCVZ11, SJ11, VBC+12, YK12]. stock [KCL11]. Stokes
[BK0Z16, BLAS19, EW14a, FDZ17, FBB17, FM15, LWJ18, MVS15,
QSB19, Sal16, SK15, SP18b, VSO+13, ZPS+18]. Stokesian [BHND16].
Stomo [PR12]. stopping [AG12a]. storage [Ano11o, BMc+11a, CLH+17].
strahlung [DDKM15, BHZ13]. straight [BL18a, dJB1M16]. Strain
[LHSL14, KCA+15, LAZ15, WP10a]. Strategies
[KS15, ABH+19, CHa19, DCGR13, FSJ+16, HJJH17, SKH+10, ZHSL13].
strategy [BPMM14, BHVMH15, CMVRV16, CXG+19, FHT017, LKM+16,
LWL12, NM14, WLZN17. Stratified [SSBS15]. Stratonovich [KD17].

strack [WS11a]. Stream [YTAY17, BABC19]. streaming

[CO11, ST19, WFV14]. Streamline [DCM+12]. streams [BS13a]. Strength

[ZFZ19, CLHL19, SW14a]. strengths [SEW12, SEW14]. stress

[CHDCJA17, KCA+15, Voy13]. stress-fluctuation [Voy13]. stresses


[GNA+15, ZZ15, BMW14, CPHL14, CHZ18, DOP17, HEF+11, MMO+17, RGRK17, SW14b, SS12, YKK+19, ZY15, ZY19a]. Strongly [JDG12].

Structural [KAR+15, SWL+15, ZRS12, ÁSS18, Bin13, CZN14, EBDM17, FSJ+16, HYM11, MVH17, PPS10, QDZ+13, RAV11, ZMPT13]. Structure

[FGJB19, HL18, XNK+16, ACD+14a, AGVP10, Ano10n, ACC17, AFZ17, AFZ18, ATCZ19, Aza13, BK13a, BC10, Bjö11, BBO19, CWJ19, CKSM+19, CPV13, CYD11, CJJ+17, CSK+19, Cor14, DCU+19, DO14b, FLA+16, Faw10, GTL+17, HKSW10, HMR+19, Hol19, HJE+19, HBB+17, JWCW17, JGB+13, KB19, KGFS18, Kra17, Kra18a, LS19, LQP12, LQZ+13, Lin14, LZ18, LH18, LZ11a, LZ11b, LSK+14, LOSZ13, MED11, MSZW11, MW14, MNL19, MNPY14, PSP16, Rut18, San15, SS10a, SCG11, TMA+15, THJ+10, TC12, WG16a, WLZM12, WM13, WAHL13, XLCW14, YFAT17, zYCG+18, YG12, ZLZ19]. structure-based [MNL19]. structure-preserving

[CWJ19, San15, WM13]. structured

[ACMM19, CVK+17, FRFH10, JBG+16, JBG+17, KK14b, YH15, dBCH14]. structures [ÅSTT16, ASE14, AZ17a, AZ17b, BHN+16, Bot12, CJH11, CCM12, CZF18, DV11, Fri19, HL13, LCY+11, LF12, LZ12, LOV10, MCV18, MD19, MFLY19, OG14, OO15a, RJK16, SZC+13, VDB14, WLG+13, WTH15, XLL15]. stuck [GK11]. studied [GZL14, WXW14].

studies [CMJ+11, DGPO18, HW11, MMR+12]. study


[TKL+12]. subspace

synchronous [BENK+17, Fer15, SCM13]. synchrotron [LSF14]. synthesis [LHML16]. Synthetic [MGA+13, BL18b, KFF+16, PN15]. System [KBK+14, Ano11a, BMC+11a, BJBC+14, BCDP18, BH+10, BBH+15, CDBM16, CFCB12, Cas12, Dat13, FBHB17, GZL14, GBP13, HAH13, HZ11, HLD13, JMG+17, Kro16, LDR+17, LL19, sL10, MD10a, MI+10, MCAdF14, MSH11, OK10, ÖY13, PMMW15, SXW+18, TTG11, TTS11, TD17, WNYP17, mZXL15]. systematic [BW16, BSK+18, ER19, GA13, MNL19, RCGT16]. systems [´ASTT16, ´ASS18, AKR15, ABF19, ASPDL+16, AGH+16, ADdM+12b, ACDdM14, BMC+11b, DdJC+19, BFPP12, BBS14, BKS15, Bis15, BVC13, BMW14, BC11, CR13, CLH+17, CMG17, CZ18b, CLJ12, CYSL12, CSK+19, CL15b, CB15d, CB16a, CR12, CBB+10, CFFR15, Dan14, Dan16, Dan17, Dan19, DBJ11, DEW16, Er14, Ert15, FLW10, Fi14, FE11, FLW17, GLHR19, GJ18a, GS17a, GH11, GM16, GBJ+10, GBJ+12, GBJ+13, GCHL15, HBL+13, HL19a, HAN+16, IUM13, JLA+14, JW18, JXTS16, JLW13, JNN12, JNN13, JGC+11, KFS17, Kau13, KPA13, KHZ+18, K11, KO12, KSS12, KPOR18, KNS10, LLQX19, LKM+16, LCY+11, Leol2, LRE+15, LWYW11, LS16, LB10a, LB13, LKT+16, LCHM10, LL12, LCHM13, LBP15, MPM14, MF15, Men11, MGS13, Miy15, NFD+19, PFA+15, PTMDPK14, PLCC12, QZSU19, RF10, RAV11, RHC15, RCH16, RCH19]. systems [RLMG+11, SW14b, SL17, SH18, SC1H19, SEGP15, SGW17, SLR16, SS10a, SPP19, TM14, TDL+14, UO15b, UO15a, Voy13, VBMP15, VB19, Vuk12, WXL13, WRB11, WAW14, WYSW10, WW10, YZWR14, ZAHA10, dB14]. SYVA [GNT17].

Three [BY13, CW16, dAfSVM12, HWS16, LJSW11, LB13, MNPF17, SC15, WWC+16, YWX11, ABB+16, BC11, BKM14, BK16b, CS16, DS13c, DMC10, DO14b, EKO16, Ex117, FFT+14, GTPWL12, GBD10, GSMK17, HLW16, HLTW19, HCSW10, Ixa16, JW CW17, KKP11, KP12b, KH12, KRB15, KKO19, LA13, LLXK16, LCQF18, MAWK18, PBE14, Qia16, RWKS15, SFP11, SC16b, TSIM16, Ume18, WL11b, XZF12, ZFH14, ZZG+16].

three- [GSMK17].

Three-body [BY13, LB13, EKO16, Ixa16].

Three-dimensional [CW16, dAfSVM12, LJSW11, MNPF17, WWC+16, BC11, DS13c, DO14b, FFT+14, GTPWL12, HLTW19, HCSW10, KKP11, KP12b, KH12, KRB15, KKO19, LLXK16, LCQF18, Qia16, RWKS15, SFP11, SC16b, TSIM16, Ume18, WL11b, XZF12].

three-level [WL11b].

two-body [GBD10].

three-state [XZF12].

three-step [Ume18].

Three-temperature [SC15, SC16b].

threshold [BH17, BKMP16, Has11, HST+11, dSdO12].

THz [WQ18].

ti [Ell17b].

TIERRAS [TS10].

TIGER2 [BW15, MPB10].

tight [Has17, Jac19, RJKC16, SHNM11, YLYL17, LSK+14].

tight-binding [Has17, Jac19, RJKC16, YLYL17].

TIM [LHC+12, OTC14].

Time [DAW+19, GTG+11, HKF+12, IBB18, LLQX19, LB10b, RJKC16, TD14, TC11b, TT11, AAA+16, AdM16a, AdM17, Ano19m, ABDR17, AH13, BS15a, BR14, BD10, BMBC+17, BB12, BENK+17, CZ18a, CMSN18, CVK+17, CC10a, CH19, CKSM+19, CDL+12, CW16, CZZ+19, CYOS19, Chr18, CHZ18, CO11, DS13a, DS10, DM17, DV11, DSW+15a, DKS16, DHR14, DJ14, DM12, ECD+10, FDZ17, FGLB12, FNPMB10, Fri10, GS15, GMFPC+14, GML15, GBR+14, GM16, GVR19, GBSY18, GJHF14, GWF+11, GMHZ19, HE13, HWG13, Has11, HC16, HLLH16, HC17, HL19a, HKvH16, Hsu11b, HHC+10, HWM+15, Hua17, HML18, IWA15, JLM18, Jia18, JL19, JHJG14, JMG+17, KBSP19, KYSV+15, KSY17, LLHC11, LV14, LS15b, LLP15, LLP17, LAS+17, LBB+16, LYSS+16, LR13, LR16, MWT+19, MC16, MGRB11, MGL16, MC10, MBFD12, ICD13].

time [MC17, NPM16, NAQ16, ŌN12, PSB11, PSBT12, PM16, PKV+18, Ptap14, PBS+17, QYM11, QA13a, QWZW18, RE19, Ram14, RVDS16, RDVS18, SHT18, SSB+16, SLY18, SKFP16, SVV19, SSH+13, SG17, SBPD19, SBH+12, SCB17b, SW12b, TTG11, TL17, TT14, TVT+16, TVGB15, UW12, US16, VDB14, VBS+17, VBB+12, Vuk12, WL11b, WMI19, YOM+19, YSVM+16, YSMA+17, YWOD19, ZD15, ZY19a, dSF18, dHGC11, CYN19, Wi19].

time-delay [DS10, LTP+17].

time-delayed [JJ14].

Time-Dependent [LB10b, GTG+11, IBB18, TC11b, TT11, BMBC+17, DS13a, DHR14, DM12, FGLB12, GS15, GBR+14, HM18, JL19, KBSP19, KYSV+15, LV14, LBB+16, LYSS+16, MC16, MGRB11, MGL16, MC17, NPM16, ON12, PM16, SSB+16, SSH+13, SCB17b, TVGB15, UW12, VBS+17, VBB+12, WL11b, YSVM+16, YSMA+17, ZY15, dSF18].

Time-domain [LLQX19, CKSM+19, CW16, FNPMB10, HE13, HC16, HC17,
HKvH16, MBFD12, ICD13, SVV19, SW12b, TT14, VDB14, Wil19.

time-step [LS15b]. time-stepping [DJ14, QWZW18, SHT18, WMI19].

TIMEDELn [LTP+17]. times [VKLM11]. timeseries [HBP14].

TimeSeriesStreaming.vi [CO11]. timesteps [YQM12, YQM14].


TNAMD [MPB10]. TNSPackage [DLW+18]. tokamak
[Ano10n, ALC18, BSM13, BMU11, BT17b, BB13b, FBHB17, GGI+13, HV15, HAK+14, HF16, JHL+15, KYKN15a, KYKN15b, KGG+16, KQYH17, LDR+17, LRK13, OILK17, PHT+19, PMS+17, PS11, YLKN17, ZFR18, SM13].
tokamaks [ML17, PPV+11, TJH17]. TOMBO [ONS+15]. Tomlinson [AMM11]. tomographic [HZC19, YvOSM15]. tomography
[AGMS15, CM10b, DADS11, FWS+17, LM12, MD11b, PR10, PR12, SSMM+17, YvOSM15].

Tool [BCTP18, Mau16, Rulf13, 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, GGI+13, HD11, Hir15, HB13, KS19, KFS+13, Kol15, KR19, LCE+13, LHL11, LS17b, MLGVE14, MV+16, MPY+14, MG10a, Müll11a, Muri14, NRS11, OAKS11, PSMS14, PSMS15, PG19, Pra17, RF15, RJW+19, RCD+10, Ros15, RKGC+17, Rut18, SGDS16, SZC+13, SPY11, SOPSI2, Sta14, TKS19, WS11b, sX19, YOM19, YB13, BB+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, SM16b, WFDK19, We18]. Tools
[GHDF10, GHvSF14, ABB+14, Ano10o, CFW17, Fis12, Fri14b, LHGF18, MFS10b, SLW19a, SLW19b, SS13c, VKS16].
Top [ALL+11, CFSK14, CM14b, HLM17, KKK+15, ZZG+16, CM14b].
top-pair [CM14b]. top-quark [KKK+15].
topological
[BL17, FWZ+12, WZS+18]. topologies
[ABB+16, BCM+16]. Topology
[BBO19, LRR+17]. Topology-based
[BBO19]. tops
[MNV13, SJJY18].
TORBEAM [PBL+18]. torch
[CLW11]. toroidal
[BDBV12, DXY+19, HKJ+12, JGC+11, KTE+12, LC15, MJB+10, PCCM14].
Torriceilli [BMF+19]. torsional
[FCCTFR18, ZMCT12, ZMT13]. torsions
[FCCTFR18]. torus
[KGG+16, YKK+19]. Total
[TAFD19, KCA+15, MKU+12, SAA+10, SGDS16, SS+17]. toy
[GFJ+14].
toy-model
[GFJ+14].
toy-model [GFJ+14].
trace
[SK12]. tracer
[OTC14, WLQ+17].

tracing
[CMS17, KMA+12, LHC+12, LHL16, MTCM14, MMC10, MAcF14, Müll14a, PBL+18, TZK16, VLZ17]. track
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[VSG17]. Tracking
[KL14, RNdB19, AGMS15, BKM11, BY17, CNS+18, CWY+17,
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turbulent \cite{APC'14, BCM'16, CBGY17, CBYG18, JA17, Kra18b, Les16, LWJV18, ML16, PN15, Tau10, VK16, WMI19, ZPS'18, ZBN'19}.
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Two \cite{BL14}.
two-body \cite{FEH11, HFE12, LV14, LVW14, LW14a, LY16, ZHC16, ZFR18, dTOV18}. 
two-center \cite{DT18}.
two-color \cite{HKK11}.
two-component \cite{Eba13, ERM18, TZM17}. 
two-dimension \cite{LXR'18}.
Two-dimensional \cite{VK14, AH13, CAN11, CC10b, CC12, CHZ18, Dan14, Dan16, Dan17, Dan19, DG10b, DS11b, DN13, Dev12, DT18, DKT14, Eba13, ERS10c, ERS10a, ERS10b, Erm18, FS17, FGR14, FEH11, FKS'19, Gag12a, GDB10, GH11, GC10, GC16, GCK19, GLW14, HEF12, HKK11, JEFF14, JW13, JH15, JPM12, KS16a, KK14a, Ki10, KY15a, KY15b, KAVL11, KTE'12, KO12, KO13, LOL'18, LA13, LSD14, Lazz15, LW14a, LSK17, LST15, LXR'18, LHH'12b, LJJ'18, LB10a, LY16, LR13, LR16, LS17b, ML17, MH18, MSZW11, NS15, OAKS11, PZZL19, PP13, QLE16, QSB19, RVA14, RCH19, SYD17, Sic16, SLR16, SQA'15}. 
two [SW12b, SS10b, SDJ'12, SJW10, TZM17, TBZ12, TT14, VvA'11b, VS19a, WHG'19, ZX12, YCO15, YZ11, YdDH'12, ZLM12, NZXL15, ZHC16, ZFR18, dTOV18], 
two-body \cite{FEH11, HFE12, LVW14, VvA'11b}, 
two-center \cite{DT18}, 
two-color \cite{HKK11}, 
two-component \cite{Eba13, ERM18, TZM17}. 
two-dimension \cite{LXR'18}. 
Two-dimensional \cite{VK14, AH13, CAN11, CC10b, CC12, CHZ18, Dan14, Dan16, Dan17, Dan19, DG10b, DS11b, JEFF14, JPM12, KS16a, KY15b, KO12, KO13, LSK17, LST15, LHH'12b, LR13, LR16, MSZW11, QSB19, SLR16, SDJ'12, SJW10, TT14, ZX12, dTOV18]. 
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type [BCC18, BKOZ16, BKM14, BK15, CB13b, CCGC13, Ert15, FMW10, FG13, FPY+17, Gin19, HF16, HBS+11, IUM13, KBSP12, MNOØ11, NS15, PPy14, PK15, PDRG10, RJW+19, SLZ16, TL17, WFV14, Wu10, WL11b, YYWFO9, SAS11, MWCY14].
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U [CHW15].
Uasiparticle [SKB10].
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udkm1Dsim [SBH+14].
udocker [GBC+18].
UFO [DDF+12, Sta13].
ultra [HEPW13, KV19, KNS+17, QYM11, TIM+16].
ultra-high [HEPW13, KV19].
ultra-large-scale [TIM+16].
ultra-peripheral [KNS+17].
ultra-relativistic [QYM11].
ultracold [BG11, SJHS19].
ultrasecond [FWS+17, NFI17, SBH+14].
Ultrahigh [VV18].
Ultrahigh-order [VV18].
Ultrashort [GC12].
Ultrashort-pulsed [GC12].
ultrasonic [RLMG+11].
umbrella [IOI16, IFO18].
UmUTracker [ZSW+17a].
under-ice [TS10].
underground [TS10].
underwater [TS10].
under-directed [FLP10].
UNEDF [BBC+13b].
Unfolding [ZZD15, ZZ17b, ZZ17b].
unification [ABdA15].
Unified [DE13, Ram12, Wei99, CSC11, CSJ+17, KEH12, MRVF13, RHW+12, Sch14a, SK12, sX19, YK18, zYCG+18, MW19].
uniform [BDP16, CDMCN11, GBN17, KS15, LA13, LFG14, PdMML19, Ser10, Ser17, Wit14, YQM12, YQM14].
uniformly [Gwi12, SKK11].
union [TMS19].
union-find [TMS19].
Unique [WLG+13].
UNIST [LLE+18].
unit [Laz15, MEM+11, RC18, Tic10, MSML10, YLO13].
Units [Boe18, APRG11, BK11a, BHS18, BJCW13, CDS13a, Col14, DBD12, DS11a, DF13, FSH13, FUSH14, FCVH17, FVH18, Fil14, FZY13, HAN+16, LAS+17, MED11, NPAG11, PLD+13, SH12b, TD11, WDL11, WWFT11, Dem11].
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Universality [Friel10, PM13].
unknown [PR13].
unknowns [YBK+11].
unparticles [AAB+10b].
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Unsteady [FJK+17, SL14, TY10, Tia11, TCP13, TCP16, Uty14].
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unstructured-grids [SC15].
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wavelengths [BEKP19]. wavelength [GMRHCME13, GMPFC+14, Jiw12, KMM13, RCGT16, WLQ+13, WLM14, ZWLZ17, ZST11]. wavelength-based [RCGT16].

wavelet [GMRHRCME13, GMPFC+14, Jiw12, KMM13, RCGT16, WLQ+13, WLM14, ZWLZ17, ZST11]. wavelet-based [RCGT16].


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Anonymous:2012:EBp


Anonymous:2012:EBq


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- **References:** This section lists the references for the year 2011, with each entry including the authors, title, journal, volume, issue, pages, and DOI.


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