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GDAG05a, GDAG05b, GFS03, HSJ02, Huj05, HLB06, IVD03, JAT03, JGJ09, KKK06, KKS04, KP01, KM00a, KM01b, Kos05, LM02a, LOL06, LTG09, LZC+08, LB04, Lüs05, MDS09, MY00b, MBG03, MS08a, MHR+07, Mei01, MP05, Nak07, Nak08, NH09, NP01b, iNKNV08, NRR01, OCK+00, OCS+08, PD08, PCE+08, PSP+03, PSH06, PCYC02, PB09b, RD05, RK05, RY00, RLU00, ST02, iSAK+08, She03, SHX02, SOYN01, SHI02, SKNV05, SWC+03, SPS09, Sug01, SWP03, Tak00, TG00, TPYV03]. **algorithm** [TB85, Tho04b, Tót06, TL08a, TCO00, UJSW06, Wan05a, WWF08, WT01, WK02, YH02, Yan02, Yan03c, Yan03d, YZW02, YWLC04, YD07, Zha08, ZLL09, vHK00, ML03]. **algorithm/simplex/spatial** [WMNS09]. **Algorithmic** [AHS09, VPCK04, XC03]. **Algorithms** [BMSG01, CTSZ07, FBB01, VBFM05, AAP03, ACK05, BBD+09, BOG+07, CC07, CMR01, CM03, FdO09, FHW+01, GGL03, JC07, KCC+00, KF05a, KPF03, LPC+00, LZS06, LZS08, MP01a, MRS04, Mey02, MKJ+05, MHK+05, Müs02a, OTY02, OMF02, OMF03, SKNV01, SSP08a, UTKF05, VAMVR08, VPP+12, WL00, WC00, WCBN05, Zim02]. **Aliasing** [Ver04]. **ALICE** [Ano01a]. **aligned** [EMJH03b]. **Alignment** [LVH07, AAM+01, AP05]. **alkali** [KB02]. **alkane** [RJCH00]. **alkane/hydroxylated** [RJCH00]. **alkyl** [SPV07]. **all-to-all** [FJC+05]. **allosteric** [LOY07]. **allotropes** [AP09]. **alloyed** [SG05]. **alloys** [Bur02, SSH01]. **AlN** [QASF+05]. **alone** [DGR09]. **along** [SGF03]. **also** [Var02]. **ALTDSE** [GNZ+09]. **Alternating** [XZ12]. **aluminum** [LC08b, RJCH00]. **ambipolar** [WTH+04]. **AMBRE** [GKR07]. **amorphous** [BH03, CCRA05, LM02b, MKB02, NI01, The05]. **amphiphilic** [LMS05, LNC+03, NT05]. **amplification** [HS07, HW09, KK05]. **amplified** [SJHY07]. **amplitude** [Cha07, KLTH04, KS01]. **amplitudes** [BBJS09, FIJ+03, Hah01, KP00]. **AMR** [CDQF07]. **AMRA** [PM01]. **AMS** [SM01]. **analog** [AP04]. **analogues** [IN02]. **analyses** [IH01]. **Analysing** [KS04b]. **Analysis** [CL03, Dom05, RDSS01a, SZ00b, ATIO06, ASJ+03, AdlT03, Ano01n, Ano09t, BFMH+01, BLCR05, BS06b, BBD00, BFB+08, BDF+08, CKK09, CGG00, CGC+09, Che05, CD09a, Gre07, GME06, HDGM07, HC08, HCO01, HF06, ISSC01, JKCGJ08, JC01, KKS04, KNU00, KJ07, Krö05, LKKK07, LZ00, Liu07a, LRR+09, ML03, MNYY00a, MNYY00b, MSS+09, Mel01, MD00, MIM+07, MKJ+05, MM09, OS00b, dlRBPL09, PRSB08, Ram10, RTS01, RPY07, RSD01, RF04, SKNV01, SPS09, SR01b, SKH02b, Suz00, TCY+08, TBZ12, TdRGD09, TK09, TY01, TBR07, Van05c, XC03, Yan09, ZBB+06]. **Analytic** [Blü00, Di 02, Gut06, Ste02, BDH+05, Cza06, Dra01, GSS06, KVR+00, SPS09]. **Analytical** [Don02, PNH00, AAC+06, BBC+01b, BS08, DK05, Dol01, GME06, HG02b, LJ09a, RE09, WW06]. **analytically** [OMF03]. **analyzer** [SG04b, TF00]. **analyzing** [RC04, YH02]. **anchoring** [LS02]. **and/or** [IW01]. **Anderson** [CMRS02, YH02]. **aneurysms** [OCS+08]. **angle** [CGG00, GW01b, ZDKG05]. **Angular** [Dun05, Yos07, BS04a, DK05, FIBT01, FIT03, Fri09, GFF01, GFG01, GF02a,

[Alf05, Bek06, FM03, GF01, GMBC08, Jia08, Kir06, LVLS02, LS01, OMC00, ST02, UVLRRC09, Vul03, Zah00, Zah01, AC07, AL08a, Bar03, BKM02, CCBL02, CWSH08, ÇHM00, CD04, Col07, CL08b, EVL00, FK00, FSB09, GSM+03, GMAN+07, Goc04, GDAG05a, GDAG05b, HHH+09, HSGBK08, HHW00, IBA00, KK00, LANM+01, MDS09, Man04, MR06, MWA01, MOC03, Nik03, PCCD09, Por00, Ram10, RdAGV+00, SLC09, SJP05, Sea02b, Sol01, TKB+04, TNCG00, TKN+08, VF03a, VF03b, VS06, VT00a, Vos06, Yan09, ZSdD+08, ZS08, ZDKG05]. **calculations** [AIOST03, AJT+07, Bac00, BTI01, BH01, BK01, BKM05, BBB+09b, BMG01, BD06, CN01, CD01a, CC08, Con04, Dan05a, Dan05b, DS06, Dan07, DTD+02, Elm09, Fer07a, FFD00, FFG02, FTGG07, FKG00, GZF04, GIME02, GHP01, GGG01, GBTM07, GBD03, Gol00, GW01b, GRS06, HC00, HHM+09, HLC08, HPC05, HTM01, IM01, IBM03, JRT00, KDW00, KLD04, Kon02, LCB+00, LOCJ05, LLV+01, LEG02, LR06, LZ04, Mah09b, MC03, MHGV09, MSB09, MBR01, Mei01, MN01, MAM04, MAM07, MSHP02, MSHP20, OD08, OBG09, PFG06b, PWH+00, Pog05, Pue06, QASF+05, RPD+05, RGD+01, SHW01, SIH+01, SNS01, SBM02, SKNV01, SN07, SGL09, SMH+01, SJ02, SR01b, SVMT00, SYM00, SNBB02, THM01, TAKN02, TND04, TND05, TYS+00, VKM+05, VT00b, WKP+01, Wil09]. **calculations** [ZF09, Zha00, dSdSW08]. **calculator** [Bar02, DK05]. **calculators** [Ste02]. **calibration** [AAM+01, HTNFBS06a, HTNFBS06b, RTS01, TNBSF04]. **Campbell** [WS09b]. **can** [BKB02b, Gre04, MMMM00]. **cancer** [Dom05, TdRGD09]. **Candia** [CCG08]. **CANM** [AP04]. **Canon** [MP04]. **canonical** [Bae04, FdO09, JBS08, KCH00, PRSB08, Zim05]. **canonicalization** [MG08b]. **capabilities** [BNO+01]. **capacitive** [TC07]. **capacitively** [KPL07, KCR07]. **captions** [Ano09r]. **capture** [Ber03b, Car06]. **capture-gamma** [Car06]. **capturing** [Wei02a]. **Car** [CCFG05]. **Carbon** [HKK02a, AP09, CSC+07, CSC+08, HKK02b, KKKC07, LC08b, LF02b, NKSL05, OPO+08, ÖDÇ02, PLL07, YN05b]. **carbon-based** [LF02b]. **Carcinogenic** [EYJ07]. **Carlo** [FNR+07, JKW06, KRW03, TA00a, WA07, AW04, ABM03, ACIZ07, ASF+05, AGS07, Ano03h, ABB+09, Asc08, BS06a, Bae03, Bae04, BBB+09a, BJ02, Bar00, BDG+08, BvG02, BR09, BL00, BMML05, BHM+07, BM01, BHL02, BK05b, BDYK04, BKB02a, BKB02b, Bur02, BB03, CGCS07, Che05, CGK+00, Cun09, CKA+09, DS01, DDD+01, DGLB08, DDRW03, DH01, FNR+06, FdO09, FMN01, GS01a, GPW04, GW01a, GPW+09, Gra02, GOG00, GRS06, HPC05, HKLY07, HCIK00, Huk02, JKW00, Jad00, JWW00a, JWW00b, JPS+01a, JPS+01b, Jad03, JS06, Jun02, JBS08, KH01, KPL07, Kat02, KL06, LTA05, LF02b, MBKJ09, MRS04, MHS05, MSS+09, Maz00, MSK+05, MP03, MMB02, MB05a, MP06, MG09a, MABK02, MER+00, MKM02, Nat08, Nil07b, OTY02, OPO+08, PMA+04, PSW00, Pop03, RP02, RIB01, RPD+05, RS00]. **Carlo** [RK05, Sch04, SVP09, SLWH02, SVMT00, SSLN02, TA00b, Tak00, Tom09, TNCG00, Trö08, ULA+02, Uhl03, VYK02, VPNW02, VMMB02, Wal03, WL00, WJW09, WK02, WH00, WLGX09, YC07, dS03]. **carlomat**

GS01b, Gro01, HJM02, IOM00, JP09, JDBT09, KK04, LM02b, MTLC01, MG08b, Mas00, MVS05, Müs02b, OGKL02, Pee07, PGS02, PKKM02, Pue06, RtVR09, RDSS01a, RDS02a, RDS02b, iSHS+08, SPC+05, SMS+00, SI01, SHI02, SHH+04, SIE04, TNCG00, VT00a, Wei04, Xia01, ZSSA00].
Computer
[Ano03l, Ano03m, Ano03n, Ano03o, Ano03p, Ano03q, Ano03r, Ano03s, Ano03t, Ano03u, Ano03v, Ano03w, Ano03x, Ano03y, Ano03z, Ano03-27, Ano03-28, Ano04m, Ano04n, Ano04o, Ano04p, Ano04q, Ano04r, Ano04s, Ano04t, Ano04u, Ano04v, Ano04w, Ano04x, Ano04y, Ano04z, Ano04-27, Ano04-28, Ano04-29, Ano04-30, Ano04-31, Ano04-32, Ano04-33, Ano04-34, Ano04-35, Ano05k, Ano05l, Ano05m, Ano05n, Ano05o, Ano05p, Ano05q, Ano05r, Ano05s, Ano05t, Ano05u, Ano05v, Ano05w, Ano05x, Ano05y, Ano05z, Ano05-27, Ano05-28, Ano05-29, Ano05-30, Ano06b, Ano06c, Ano07b, Ano07c, Ano07d, Ano07e, Ano08b, Ano08c, Ano09c, Ano09d, Ano09b, Koc02].
computer-generated [SI01]. **computerized**
[FD03, GT01, Hon04, LMC+03]. **Computers**
[Esq02, Ano02a, Att09, CSS+03, Mak01, Mei01, MT00, OLS+01, OSK+02, OCK+03, Ref00, TYS+00, Yos01]. **computers-past** [Ano02a]. **Computing**
[BSTC05, Bre01, Bro00, CC09, FPB08, GSS06, RM05a, Sha04, Shi07, Tho01, VS01, WS09b, YM03, ZSM05, ADE+02, AJ08, Ano03h, BS03, BN07, BD06, BDH+05, CMRS02, CD05, COE+05, CC07, CCL08, CRUV00, CGA+07, CGVA08, CGG+08, CGG+09, CGVA09a, CGVA09b, CBM+05, Dan09a, Dan09b, Dra01, Fel08, GBM02, GCK02, HLB06, JP09, JG02, KVR+00, LbotMC01, LMC+03, McK07, MA04, MA08, Nil07a, PKPV02, PMV02, Sfi07, SMZ05, SS07b, TJD09, Tri05, VPK+01, ZF00, ZZ09, Vio04]. **concave**
[Dem06]. **concept** [BLS01]. **Concepts** [San00]. **concerted** [Nak07].
concrete [FKMB09]. **concurrent** [JPS+01b]. **Condensate**
[TQ03, KALC08]. **condensates**
[BGJ+07, CC07, CCL08, CC09, LR07, Nil07a, SVS01, ZZ09]. **condensation**
[ASJ+03, CPS00, KW03]. **condensed** [BH03, CMR01]. **condensed-matter**
[CMR01]. **condition** [MPS09, WGL06, YSM09]. **Conditions**
[TLDM03, AAP03, AA08, CRS05, CLR08, CY01, CS02, EH07, KEM+01, Kos05, KT07, LÅT04, Liu07a, MNV00, Rob00, Rob01, SGK09, WYL09, WYX09, qX08, dA08]. **Condon** [GME06]. **conductance** [KACB07, Ver00].
conducting [CAW00, QR01, QG04]. **conduction** [JJHvO03, TNI+07].
conductivity [GMBC08]. **cone** [Har00]. **Conference**
[Ano07f, Ano08d, BDL00]. **confidence** [AS00, Bar02, Con04]. **configurable**
[ATB+01]. **configuration** [AAG+04, AAM+01, BM04, BKM05, FFG02, RCG05, SJF07, TEP00, TNCG00]. **configuration-interaction** [RCG05].
configurations
[BK01, BKM02, BKM05, DCNDC09, GSF05, GHIL09, SKH02b]. **confined**
[CH09, CW01, KEM+01, LC07, PS08, SA09]. **confinement**
[ASC+05, BHM+07, GAR05, WML+05, WSCW09]. **confining** [AMP+00].
Conformal [RM05a, HP02]. **conformation** [GW01b]. **Conformational**

Ano06v, Ano06w, Ano06x, Ano06y, Ano06z, Ano06-27, Ano07h, Ano07i, Ano07j, Ano07k, Ano07l, Ano07m, Ano07n, Ano07o, Ano07p, Ano07q, Ano07r, Ano07s, Ano07t, Ano07u, Ano07v, Ano07w, Ano07x, Ano07y, Ano07z, Ano07-27, Ano07-28, Ano08f, Ano08g, Ano08h, Ano08i, Ano08j, Ano08k, Ano08l, Ano08m, Ano08n, Ano08o, Ano08p, Ano08q, Ano08r, Ano08s, Ano08t, Ano08u, Ano08v, Ano08w, Ano08x, Ano08y, Ano08z, Ano08-27, Ano09f, Ano09g, Ano09h, Ano09i, Ano09j, Ano09k, Ano09l, Ano09m, Ano09n, Ano09o, Ano09p, Ano09q, Ano12]. **Editors** [Ano02j, Ano02k, Ano02l, Ano02m, Ano02n, Ano02o, Ano03i, Ano03j, Ano03k, Ano03l, Ano03m, Ano03n, Ano03o, Ano03p, Ano03q, Ano03r, Ano03s, Ano03t, Ano03u, Ano03v, Ano03w, Ano03x, Ano03y, Ano03z, Ano03-27, Ano03-28, Ano04m, Ano04n, Ano04o, Ano04p, Ano04q, Ano04r, Ano04s, Ano04t, Ano04u, Ano04v, Ano04w, Ano04x, Ano04y, Ano04z, Ano04-27, Ano04-28, Ano04-29, Ano04-30, Ano04-31, Ano04-32, Ano04-33, Ano04-34, Ano04-35, Ano05k, Ano05l, Ano05m, Ano05n, Ano05o, Ano05p, Ano05q, Ano05r, Ano05s, Ano05t, Ano05u, Ano05v, Ano05w, Ano05x, Ano05y, Ano05z, Ano05-27, Ano05-28, Ano05-29, Ano05-30, Ano06b, Ano06c, Ano07b, Ano07c, Ano07d, Ano07e, Ano08b, Ano08c, Ano09c, Ano09d]. **Education** [Lan07, Chr00, Esq02]. **educational** [WCGL00]. **ee4f** [KJ04]. **eett6f** [Kol03]. **Effect** [Gen01, Car07, CSC+07, CSC+08, EMJH03b, IN02, KL01, KSTL03, LOY07, LC08a]. **Effective** [KTL05, Yam00, AC09, GMBC08, Got01, KP01, SWP03, Wan05a]. **Effects** [JTS+06, BCBJ02, BCH05, CSCK08, FHR+05, FFD00, GSM+03, HCO01, HS01a, LLT+02, LWY01, LA09, MHK+05, RCGC00, SS02b, WGY01, dAK01]. **Efficiency** [SJ02, CM06, Car06, Car07, KNTG03, LC08b, Nat08, PWH+00, SLL07]. **Efficient** [AJT+07, BPRW06, CA09, DDMM06, FSB09, Ixa07a, JGJ09, KMZZ05, LVV09, LPC+00, LR07, MMR04, MKJ+05, PKKM02, SSP08a, Tak03, Vog05, WT01, Zim02, dlGGS+05, vE08, BFMH+01, CZC00, DWZS05, GLL+02, GBD03, HLB06, KN07b, LTG09, LJ09a, MHR+07, Mei01, MNH01, Müs02a, OD07, OGWH03, PKPV02, RD05, SI01, SOAW08, Sim00, Tót06, itVPG08, WKP+01, WW05, YB02b, dA08]. **Efficiently** [ZZ09, BLM01, Bre05, KKK06]. **effort** [Ort00]. **eigenenergies** [Jam00]. **eigenfunctions** [CGVA09b]. **eigenpairs** [DM07]. **eigenproblems** [ALN+01, RB08]. **eigensolver** [Bun01a]. **Eigenstate** [NFS01b]. **eigenstates** [Bac00]. **eigenvalue** [ABD+05, GHP01, LVV07, LCHJ09, SHX02, SMZ05, ZSM05]. **eigenvalues** [BN07, CGVA09b, KMS09, LVV09, MM01, TYSH05]. **eigenvector** [Cun09]. **eigenvectors** [CFKM01]. **eighth** [Sim00]. **Einstein** [BGJ+07, BBR03, CPS00, CC07, CCL08, CC09, DDM07, Dy09, HB05, LR07, Nil07a, SVS01, TQ03, ZZ09]. **EJB** [LM00]. **elastic** [Cha07, DHBE05, GLHW01, LV08, Nak08, PCCD09, RK05, SJP05]. **elasticity** [ACC09, LÅT04]. **elasto** [SM06b]. **elasto-plastic** [SM06b]. **Electric** [NY07, FSK04, KMR+09, NT04, SGF04, WTH+04]. **Electrical**

[CRUV00]. **GUT** [EH07]. **GW** [FER+07b, GGG01, MSB09, SRR+00]. **gyro** [PCC+09]. **gyro-kinetic** [PCC+09]. **gyroid** [HHCC05]. **Gyrokinetic** [KLD04, EL04, IIK+08, Lee04, PCK00, RLI07]. **gyrokinetic-ion** [PCK00]. **gyrokinetics** [BH05]. **gyrophase** [SAU+04]. **GYutsis** [VF03a].

H [EVL00, Hon04, Koc02, Laf03, Gro01, LKPH08]. **H-VLPL** [LKPH08]. **hadron** [Bar00]. **Hadronic** [Wel01, BEM+02, CDEW04, CWW06b, CWW07, HS03]. **hadronization** [TSB+05]. **hadroproduction** [CWW06a, QWWZ09]. **half** [HM08]. **half-integer** [HM08]. **Hall** [ADG08, CSC+04, KB04]. **Hall-MHD** [ADG08]. **Hallen** [SR05]. **haloes** [GB05]. **HAM** [RE09]. **Hamiltonian** [HL00c, KTT02, MKS07, WZHZ06, ZF00]. **Hamiltonians** [MRS04, RLRR06, UCG+05]. **hand** [BV00]. **Handling** [ADD+03, BGLLW01, Sfi01, SS09b]. **handy** [YFM09]. **Hankel** [SSP08a, SSP08b]. **Hanning** [CL08a]. **Hans** [Hoo04]. **Hansen** [Vak00]. **HAQMC** [GPW+09]. **hard** [MCC05, RM05b, SSLN02, TNI+07]. **hard-core** [RM05b]. **hard-point** [TNI+07]. **hardly** [Huk02]. **Hardware** [SEE+03, ATB+01, AAG+04, CMR01, SI01, GPW+09, LBP+09]. **Hardware-Accelerated** [GPW+09]. **HARES** [WKP+01]. **harmonic** [Bek06, BFL04, Blü04, Blü09, CIC+03, CHS09, DD00, DO04, DO05, DSC+09, GR01, GR02, GME06, HL08b, HZGZ09, LDZ+08, Maî06, PS08, SDNR05, TS06, You09]. **harmonic-oscillator** [DD00, DO04, DO05, DSC+09]. **harmonics** [Bal07, CRW09, CP00, GS01b, IFF01, San00, SG00b]. **Harrison** [Wan00]. **Hartree** [BD05, DD00, DO04, DO05, DSC+09, SDNR05, CWSH08, Dol01, GLL+02, GG00, NM03, PS08, REAB08, SS09a]. **hash** [ZBB+06]. **HASPRNG** [LBP+09]. **Hausdorff** [WS09b]. **hbook** [Pöt00]. **HBrowse** [BBB+00]. **HCP** [GLHW01]. **HDF5** [SC04]. **HDMR** [KKS04]. **He-like** [CWSH08]. **healing** [MCL05]. **health** [SJDC07]. **heart** [ZS07]. **Heat** [TNI+07, BBBR04, JJHvO03, Liu07a, RE09, SGK09]. **heating** [BBB+04, BBBR04, DBR+02]. **Heavy** [LMP+09, Bar04, Cha07, CWW07, CS02, DGSL09, KTBF06, OSK04, TA00a, TA00b]. **heavy-IoN** [KTBF06, Cha07]. **HEDP** [RG04]. **Heisenberg** [TBL02, dSL02]. **Heitler** [Frü03]. **HELAC** [KP00, CPW09]. **helicity** [KP00, MM08]. **Helium** [CC08, Yos03, RY00, Yos07]. **helix** [YD06]. **helix-coil** [YD06]. **help** [GGL+02, JS06]. **HemeLB** [MC08]. **HENP** [BNO+01]. **hep** [AAB+07, BBB+01, SS07b]. **hep-ph** [AAB+07]. **hep-ph/0411186** [AAB+07]. **HepMC** [DH01]. **HERA** [AAM+01, BFMH+01]. **Hermite** [FH04, LdVJ06, Pom06]. **Hermitian** [BFLW07]. **HERWIG** [KRW03, CF02]. **heteroepitaxial** [MABK02]. **heterogeneous** [Ste05]. **heterogeneously** [MTC07]. **heterojunction** [LH03]. **heteropolymers** [BJ05a]. **heterostructures** [SSPM05, Dan07]. **heuristic** [VF03a, VF03b]. **hexadecane** [VMMB02]. **hexadecane-CO** [VMMB02]. **hexagonal** [Zah01]. **HF** [BFH05]. **HFBRAD** [BD05]. **HFBTHO** [SDNR05]. **hfodd** [DSC+09, DD00, DO04, DO05]. **HFSZEEMAN** [AJ08]. **Hierarchical**

[dSB00]. **Kinase** [iTKST01]. **kind** [WW05, WS09a, YM03]. **Kinematical** [Dan05b, BD06]. **Kinetic** [EFBP04, HKPL07, Lon07, MABK02, RIB01, RPD+05, SMH04, AGJJ07, ASC+05, BD08, BSDMH05, BDBV12, BGS+04, DJ04, DGV08, DKC08, HOI04, HS07, HW09, IF03, KSPT04, MCL05, MRS04, MHS05, PCC+09, PSK01b, SMH+01]. **kinetic-fluid** [DGV08]. **kinetic-MHD** [KSPT04]. **Kinetics** [AFP02, NL07, NG02, Pur02, BDHP08, KA04, Nak08, Pin01]. **Kirchhoff** [Pis00]. **KK** [JWW00b]. **Klein** [KA09]. **KLOE** [Sfi01]. **KMI** [HKM+07]. **KMI-R1** [HKM+07]. **knockout** [BG06]. **knowledge** [ME00]. **knowledgebase** [BDG+08]. **Kogut** [CAF+03]. **Kohn** [SJ02, WT01, AK03, MMR04, PAD07]. **Kontorova** [KM05]. **Kopelman** [TG00]. **KoralW** [JPS+01b]. **KoralW&YFSWW3** [JPS+01b]. **KORALZ** [JWW00a]. **Korea** [Cho07, SS07b]. **Korringa** [SJ02]. **Korteweg** [KD09, Zak00b, ZY09]. **Kranc** [HHL06]. **Kronrod** [AA01a]. **krypton** [STK+00]. **KSTAR** [KY07]. **kT** [JPS+09]. **KtJet** [BCCW03]. **Kutta** [Fra02, KMS09, PAS09, Van05b, ASVA00, BT01, CFMR08, MVJ09, Van05a, Van05c, VIV01, VAMVR08].

L [Cip07, Cip08, Cip09, TKN+08]. **L-** [Cip07, Cip08, Cip09]. **L1Packv2** [Lor08]. **L1PMA** [Dem03]. **L2CXCV** [Dem06]. **lab** [LKPH08]. **LabVIEW** [GCD06]. **ladders** [CSW02]. **lag** [KS01, Liu07a, Van05c]. **Lagrange** [LCHJ09]. **Lagrangian** [BGS+04, CRS09, Ida02, Mel05, ML06, TYN02, TFM09, UNK12]. **Laguerre** [Hua09]. **Lakshmanan** [Par04]. **lamellar** [LMS05]. **LAMMPS** [KBC+09, LS09]. **lamp** [SLL07]. **Lanczos** [BSTC05, ÇHM00, GNZ+09, MA06]. **Landau** [BR09, CM03, KS08, BDHP08, CSCK08, KS84, LWT08, LOL06, LWLL07, OS04, PRSB08, SWL09, WL08, YD07, Zha08]. **Landau-gauge-fixing** [CM03]. **Landau-Transition-Matrix** [BR09]. **landing** [KPS+01]. **landscapes** [WLGX09]. **Lane** [SPS09]. **Langdon** [Ano04-56]. **Langevin** [DBR+02, QP05]. **Langmuir** [CS07]. **Langtangen** [Hoo04]. **language** [Bor07]. **languages** [BDK+06]. **LanHEP** [Sem09]. **lanthanides** [EÅ01]. **Laplace** [Don02]. **LAPW** [PWH+00]. **Large** [DMR02, KMD+02, LM02b, RvOvV02, TIM08, ULA+02, Vor02, ABD+05, BVY05, BN07, CLL+07, DVG05, DBE+04, DM07, ES09, FTGG07, HS01b, KKK06, KTT02, MC08, MFVJ07, MDC09, MAM04, MAM07, MHK+05, MM01, iNKNV08, OCK+00, OGWH03, PFG06b, QG04, REAB08, RTVZ08, RCG05, Sch06b, SKNV04, SJ02, Str05, TPYV03, TYSH05, TL09, WCGL00, WV04, TIM07]. **large-** [TL09]. **large-area** [CLL+07]. **large-eddy** [DVG05]. **Large-scale** [KMD+02, LM02b, ABD+05, BVY05, DBE+04, FTGG07, MDC09, iNKNV08, OCK+00, PFG06b, REAB08, RCG05, SJ02, TPYV03]. **Laser** [BCP04, Gha05, BBB+04, BK06a, BBBR04, BDV04, CP00, DBR+02, EST00, FSK04, GFP00, HD04, HS07, HW09, KDSB04, Kur02, LdG+07, LKPH08, LCB07, Mah08a, MK05, MLPT08, NY07, PD08, SJHY07, SSB04, SBBM04,

GGQ01, GIME02, GFP00, GLP03, GBC+04, GOG00, HD04, HBMJ05, ISS+02, IKO00, ICO01, ISH01, JS08, KV08, KSS02, KM01c, KITK00, KB04, KTG04a, LPC+04, LR07, LBM05, LCV06, LDZ+08, LMS+02, LCB07, LA09, LS05, LS09, Mas00, McK07, MLF07, MK02, NHS07, NV09, NSYZ02, Nii00, Oli01, Ots01, PPM04, QTL06, QCML03, RTS01, RMK05, RDSS01a, RDS02b, RR02, RLU00, Sal02, Sch08, SDLW07, SG04a, SZ00b, Sev00]. **model** [SR01a, Sta02, SKF05, TRGR08, TSI02, TFM09, TWY09, TL09, VK09a, Wal03, Wen01, WCH09, WG01, WL08, YH02, YD07, YB02b, ZSdD+08, ZHC00, ZY09, dO09, vdSvdG08, Dan09a, FIJ+03, GMAN+07, HS02]. **Model-Driven** [Dan09a]. **model-independent** [KV08]. **Modeling** [ABV02, CHL+07, GVMW04, MY00a, MCH02, PB09a, SZ04, TDY02, AFK+07, AOT01, AP05, BLS09b, BS00b, CMT00, CMT01, DVG05, Del03, GT04, HvDJvdM01, HMY+02, Huj05, HHWH07, JOS07, LPRS02, LPR04, LdG+07, Mar08, MTZ00, NW02b, NP01b, OCS+08, PCF05, PHKL02, Pin01, Pop03, Ram10, Ram12, RDS02a, RG04, RMVQ07, SG01, Str01a, SKRK04, SBCZ08, The05, itVPG08, VSBD00, Whi00, Yep02, ZS07]. **modelings** [GCP+02]. **Modelling** [TC07, AP09, Bru00b, NK07, NRDHB01, PFPB+09, SBM+04]. **Models** [Koc02, AGM+00, BPRW06, BR09, BMML05, Bro07, Bru04, CYAS05, CT00, CK08, CA09, CPT+01, CCRA05, FdO09, Flo01, FL01, HJ02, KMZZ05, KGM00, KM05, KACB07, LCB+00, LV08, LLT+02, LKKK07, Liu07b, Luo00, MKM02, RD05, RS09, Rob00, RTVZ08, SS09a, Wel01]. **modern** [EHHH01, TYS+00]. **modes** [AGJJ07, BS00a, BGS+04, EMJH03a]. **Modifications** [NP01b]. **Modified** [KD09, LZS06, TB87, Yan03a, Yan03b, BSB02, CFMR08, LJ09b, MBG03, Ras09, Ras17, SPS09, TL06a, WP06, kWpLwW01, Zak00a, ZLL09, Tho04a]. **modify** [HKK+01]. **modular** [PKB+01, Wan01]. **modulated** [KS01]. **Module** [Ano04-46, Fri09, MMR04, PMA+04]. **modules** [PBB+04, WCGL00]. **Molcol** [FBL00]. **Moldy** [Ref00]. **Molecular** [AP05, BBB+04, BDHP08, BRdAHK04b, CDFF05, DELG05, FS01b, FS02, HOT07, KEL02, KRTZ02, OO05, PKRK07, Rap08, TNI+07, TYS+00, ASH06, ASS+02, BSB02, BGH+09b, BTS05, BBB+09b, BMvG00, BK05c, CW02, CCFG05, CLFH07, CFJ09, CCD07, CTI07, CR00, CW00, CC00, DC05a, Dun05, Dup01, EVL00, FG04, FBL00, FPB08, HDGM07, HL00b, HM06a, HKK02a, IW01, IW02, IN09, ISH01, JAT03, JRT00, KCC+00, KMD+02, Kar02, KFJ+09, KSYE00, KA05, KBC+09, KBG00, KS04a, KM05, LM02a, LZS06, LZS08, LSVMW08, LL00, MBR01, MPR05, MMR04, MKB02, Mor01, MSH01, Nak08, iNKNV08, OSK+02, OK06a, OK06b, OD07, OCK+00, OMF03, ÖDÇ02, PLPS08, PJK00, PHF+07, PLS09, PKPV02, PP02, PS09, Rap02a, Rap06, Ref00, RJCH00, RF05b, SG00a, SM04, SM06a, SBM09a, SBM09b]. **molecular** [SNS01, SHZ01, SKNV05, SWC+03, SLBG09, SPM00, SFSL09, SEE+03, SS02b, SS05, TAKN02, Tod01, TGB01, Tsa02, VCCS05, Val05, itVPG08, VPK+01, WHCL07, WHL05, YWLC04, YvG05, ZE00]. **Molecular-dynamics** [KEL02, MSH01, OLS+01, SHZ01, Tsa02]. **molecule**

[dNKM07]. **multi-moments** [ISX05]. **Multi-parameter** [DSHH05]. **multi-particle-collision** [WRMG05]. **multi-phase** [NW02b, Yok09]. **multi-pipeline** [SIE04]. **multi-platform** [BAD01]. **multi-processing** [CR00]. **multi-quantum-well** [LLLZ01]. **multi-range** [Val05]. **multi-scale** [THC+07]. **multi-sequence** [SIE04]. **Multi-speed** [TCF00]. **Multi-step** [FLO06]. **Multi-symplectic** [SQ03, AK07]. **Multi-threaded** [LbotMC01]. **Multi-threading** [NJ00]. **Multi-time-step** [Ida03a, Ida03b]. **multi-valued** [FH04]. **multi-variate** [BBBD06]. **multi-wavelets** [SSP08b]. **MULTI2D** [RtVR09]. **multibaric** [OO05]. **multibaric-multithermal** [OO05]. **Multibillion** [Rap06]. **Multibillion-atom** [Rap06]. **Multibondic** [BJ08]. **Multicanonical** [Ber03a, HBMJ05, BB09a, ISH01, RD05]. **multichannel** [LVV07, MBG03, PB09b]. **multicritical** [DKC08]. **Multidimensional** [MM05, Asc08, BB04a, Hah05, Hah07, MYC09, TL06b, XSC09, vdHKM08]. **multidomain** [Hua09, PKST03]. **multielectron** [Kur02]. **multifragmentation** [DSS01]. **Multigrid** [MGN07, KLM00, SS05]. **multigrids** [OSK+02]. **multilane** [CL02]. **multilayer** [HTL+03, RR02]. **multilayered** [PP09]. **Multimillion** [VKN07]. **multinormal** [FGA04]. **multiparticle** [Fra07a, RFK08]. **multiphase** [IKO00, KITK00, TFM09, ZHC00]. **multiphoton** [NFS01b]. **Multiple** [CGK+00, ABOSPG09, BDM09, CC09, FL01, FEHC01, GGQ01, GSSN00, HDGM07, KM08a, Krö05, NP00, Pet04, PCA+07, SSPM05, SG04a, TYS+00, UJSW06, VW05, vDGM+09, vE08, GMAN+07]. **Multiple-Compartment** [GMAN+07]. **multiple-CPU** [FEHC01]. **multiplication** [BMG01, EFS+08]. **multiplicative** [WH06]. **multiplicity** [VT00a]. **multipliers** [DH00]. **multiply** [Cha00]. **Multipole** [OIKN02, HJZ09, LM02a, OCK+03, YNS+09]. **multiprocessor** [GBD03]. **Multiresolution** [KCC+00]. **Multiscale** [Bra05, All05, DC03]. **multislab** [dA08]. **multispectral** [CEM08]. **multistep** [Wan05b]. **Multisymplectic** [Cai09, Wan09a, TQZM08]. **multitasking** [WLH00]. **multithermal** [OO05]. **Multithreaded** [BB00, BD06, Dan09b]. **multitrack** [SF00]. **Multivariate** [RB05, Bel05, KMH02]. **multiwavelets** [SR05]. **Muon** [Kud09, GKM+00]. **muonium** [KK00]. **MUons** [CBMS08]. **MuPAD** [AC05b]. **MUPAGE** [CBMS08]. **MUPHY** [BMS+09]. **MUSIC** [Kud09]. **MUSUN** [Kud09]. **mutant** [CDFF05]. **mutualistic** [BCHP09]. **MW** [CHL+07]. **Myrinet** [ACC+01].

N [Tsa02]. **N.H** [Laf03]. **n=4** [AKZ00]. **Nano** [HJM02, CGC+09, FHR+05, HTM+08]. **nano-agglomerates** [CGC+09]. **nano-friction** [HTM+08]. **Nano-scale** [HJM02]. **nanoclusters** [PP02]. **nanoconfined** [TK08]. **nanocrystals** [CTSZ07, LNK01]. **nanodevice** [Hua09, LKC06]. **nanodiamond** [AFK+07, RG05]. **Nanodroplets** [MMB02]. **nanoflows** [MS05a]. **nanoparticles** [BK05a, KEL02, ZLM04]. **nanopattern** [MLPT08]. **nanopore** [MB05a]. **nanoscale** [LY05, VKN07]. **nanoscience** [OLX07]. **nanoscopic** [BHM+07]. **nanostructured** [KCC+00, PMH08, YGT+02]. **nanostructures** [NKSL05]. **nanosystem**

LMS+02, MVS05, Min01, Rap08, iTKST01, WM00]. **Study** [LDZ+08, PSK01a, PSK01b, RLU00, iSAK+08, SGF04, SSB04, TAM04, AGJJ07, ABOSPG09, ADE+02, BJ02, BZ00, Bor02, BBJ+08, BFB+09, BCV03, CRPC08, CH09, DELG05, DMR01, DCJ07, DC05a, DGR09, DH00, FGV01, FS01b, GAR05, GW01a, GDAG05a, GDAG05b, HOT07, HGVCM+02, HM06a, HTA08, ISH01, KEL02, KL07a, KNSY07a, Kur02, LWT08, LN01, LNK01, MCL05, MCC05, PKRK07, PAT+09, RIB01, RG05, RCG05, SS07a, SMSE03, SK08, SWL09, SVP09, SGM+09, SHJ07, SS09b, SSLN02, TYSH05, WSCW09, YD06, YC07, YRR07, YKK07]. **studying** [GHIL09]. **Sturm** [CGVA09b, LVV04, LVV09]. **sub** [GS01a, QTMH07, SLC09]. **sub-membrane** [GS01a]. **sub-pixel** [QTMH07]. **sub-wavelength** [SLC09]. **subgrid** [Ker02]. **sublimation** [WSB04]. **submonolayer** [AFP02]. **subroutine** [Tal09]. **Subroutines** [WSB04]. **subspace** [SMZ05, ZSM05]. **Successive** [AS03, BB04a]. **such** [SSPM05]. **sudden** [PCC01]. **SUE** [CPT+01]. **suggestive** [Niu00]. **suitable** [SI01]. **suite** [JU09, SBM+04, SSB+09, TKB+04]. **sulfur** [MSH01]. **sulfuric** [CTI07]. **sum** [QCL05, Sch06b, SF06]. **summation** [AH02, Har02, LHC01, LHC02, MU06, TZZ06, Wen01]. **sums** [Bek06, Blü04, Blü09]. **sunrise** [CCGR09, PR06]. **super** [Bar04, KW07]. **super-heavy** [Bar04]. **super-systems** [KW07]. **superbursts** [NBPG08]. **Supercomputer** [Yos09, CD09a, CFH+01, FMD07, FDM07]. **supercomputers** [BAD01, CD08, CBM+05]. **supercomputing** [MSK+02]. **superconducting** [KW03]. **superconductivity** [GOG00]. **superconductors** [VS01]. **Superconvergence** [LCHJ09]. **superfield** [Fer07a]. **superfluid** [Yos03, Yos07]. **superfluorescent** [MTLC01]. **superheated** [KNSY07a, Ste05]. **SuperIso** [Mah08b, Mah09b, Mah09a]. **superlattice** [GVMW04]. **superlattices** [JK01]. **supernova** [SBD+06]. **supernovae** [HRN00]. **superresolution** [KSTL03]. **Supersymmetric** [DKM07, FIJ+03, HS02, All02, LPC+04, MDM05, Por03]. **supersymmetry** [Mah09a]. **Suppressed** [NLC09]. **Surface** [KNSY07a, LS02, LAF01, BVY05, BB07, BLCR05, BDHP08, BH01, BDH+05, CW02, DEW01, DVL+02, DVL+04, EG09, HYY07, KPS+01, Kim07, MKB02, NP01b, OLX07, SHV+01, TCO00, WSB04, WMNS09, XSC09, ZHC00]. **surface-controlled** [BDHP08]. **surfaces** [ATP01, ABV02, BM01, BTK+02, CIC+03, GGG01, GBM02, GI01, Har01, HG02b, Hin00, Ida00, Ida03a, Ida03b, Ing01, KM01a, KMB02, LNK01, LTG09, MPS09, NSYZ02, NP01a, PCC01, Ple02, Rou01, SSH02, Sri01, TAP01, TGB01, Tsa02, YG09]. **surrounding** [LY05]. **survival** [SSH01]. **susceptibility** [VEG08]. **SuSpect** [DKM07]. **suspended** [ICO01, KH06, RSMK+00]. **suspension** [DHB+04]. **suspensions** [SF05, UVLRRC09, WDF+02]. **Susskind** [CAF+03]. **sustainability** [FKMB09]. **sustained** [FKP03]. **SUSY** [Ano09u, FIJ+03, Hah09, Por03]. **SusyBSG** [DGS08]. **SusyMath** [Fer07a]. **Suzuki** [OMF02]. **Suzuki-like** [OMF02]. **swap** [MHR+07]. **Swendsen** [DGAG06]. **swimmers** [PY08]. **swimming** [Rap08]. **switches** [Del03].

X
[Hoo04, AGM+00, BB07, BSO+04, BG01, KMCS01, LZC+08, Sal03, Vég04]. **X-ray** [AGM+00, BB07, BSO+04, BG01, KMCS01, LZC+08, Sal03, Vég04]. **Xe** [MTJ02]. **XLOOPS** [BD02]. **xmds** [CD01b]. **XML** [GM00]. **xPerm** [MG08b]. **XSummer** [MU06]. **xylo** [BSB02]. **xylo/phosphodiesteric** [BSB02]. **xylo/phosphonate** [BSB02].

yambo [MHGV09]. **Yang** [MG09b, OK09]. **YFSWW3** [JPS+01a]. **yielding** [RR05]. **Yin** [OK09]. **York** [Koc02]. **Yukawa** [HJZ09]. **Yutsis** [VBFM05].

Zakharov [Wan09a]. **Zassenhaus** [WS09b]. **ZEAL** [KVR+00]. **Zeeman** [AJ08, JG02]. **zero** [CSW02, Pis00]. **zero-dimensional** [Pis00]. **zeroes** [JK02, JJK05]. **zeros** [GSS06, KVR+00]. **ZFITTER** [AAC+06, BBC+01b]. **ZGB** [LA09]. **ZnO** [GRS06]. **Zobrist** [MHS05]. **zone** [Zah04, Zah05]. **zones** [FBB01].

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