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($O_m|\alpha_n$) [De 02]. * [Tos08]. 0, 1 [DC00]. 1 [KNU00, SQ03, YRR07]. 1/2 [PS08]. 10 [GRR01]. 1s [JK01]. 2 [AH02, BJ05b, CSW02, FM00, GFP00, GMBC08, KNU00, MLF07, NHS07, PAT⁺09, SMV01, SBCZ08, TPYV03, WCG04]. 2.0 [RS00]. 2p₊ [JK01]. 3 [Aok01, BD00, Bal07, BFH05, CCFG05, Cha04, CBBJ02, DGV08, EL04, FDM07, FV02, GBM02, GS01a, GBD03, GBA01, GMBC08, HG02a, HBR05, JW02, KKS04, KMZZ05, MZB⁺04, MNV00, NSYZ02, PCV06, QR01, QTL06, RLRR06, SJCM04, SG04b, SBB03, SG01, TAM04, WLH00, WCG04, WHL⁺07, XON08]. 3/2 [DKC08]. 4 [CBBJ02, Tör00, WLH00]. 4f γ [KJ04]. 6 [FMD07]. 7 \times 7 [LK07]. 8 [GCP⁺02]. ⁻¹ [CRUV00]. ² Π [HC08]. ³ [MNY00b]. ³ M [Eas08]. ⁴ [KM00b]. (R) [MBKJ09]. 0.3 [JK01]. 0.7 [JK01]. 12 [KMD⁺02, NT05]. 2 [CM02a, EVL00, Gha05, Gro01, HTA08, TAP01, VMMB02]. 4 [KPL07]. 6 [KMD⁺02, NT05]. m [MTJ02]. n [MTJ02]. $\frac{+}{n}$ [GCP⁺02]. $ABC + D \rightarrow AB + CD$ [MGG08]. α [LDZ⁺08, RJCH00]. $\alpha \rightarrow$ [KMH02]. B

[NM03]. $B_s^0 \rightarrow J/\psi\phi$ [BS04a]. B_c [CDEW04]. $B_d^0 \rightarrow J/\psi K^*$ [BS06b].
 $B_s^0 \rightarrow J/\psi\phi$ [BS06b]. B_c [CWW06a, CWW06b]. β
[LDZ⁺08, MCC05, RPD⁺05]. $\beta = \infty$ [CM03]. β^- [RCGC00]. $BR[B \rightarrow Xsy]$
[DGS08]. $B \rightarrow K^*y$ [Mah08b]. χ^2 [BBBD06]. $\chi^2\phi$ [Sav01]. $CP(N-1)$
[BPRW06]. D [DEW00, PFG06a, Sch06a, Tat07]. $d = 3$ [RLU00]. δf
[AH03, WTH⁺04]. e^+e^-
[ABM03, AAC⁺06, BBC⁺01b, DDRW03, JWW00b, Por03, TA00a, TA00b].
 $e^+e^- \rightarrow 4f$ [KJ04]. $e^+e^- \rightarrow f\bar{f}n\gamma$ [JKW06]. $e^+e^- \rightarrow ff\nu n\gamma$ [JKW00].
 $e^+e^- \rightarrow \pi\pi\gamma$ [SVP09]. ℓ_1 [Lor08]. ep [Abe01, Bel01]. ϵ [GHLW03]. η [Mic07].
 ηb [QWWZ09]. F [GKP⁺06, IIK⁺08]. F_1 [CGM01, CG04]. F_4 [Niu00]. $F_m(z)$
[TAKN02]. $ffbb$ [BBK⁺07]. G [CNMC09, Kon02]. γ
[JKW00, JKW06, KJ04, MKJ⁺05]. H [MN07, BBB⁺00, CT00]. $H\Psi$ [Mei01].
 $I_{nu}(z)$ [Tho04a, TB87]. J [CA09, Dev05]. jj
[GF01, GFG01, GF02a, GF02b, SJF07]. k
[LLT⁺02, LCHJ09, MSY07, TMN01, Yan03b]. $k = 0$ [FSB09]. $K_\nu(z)$
[TB87, Tho04a]. K_\perp [BCCW03]. $k \cdot p$ [PAD07]. l [Mic07]. **\$\mathbf{1}/\mathbf{Mflops}
[FKP03]. L_1 [Dem03]. $\langle 010 \rangle$ [LTT09]. $\langle 110 \rangle$ [LTT09]. ll [LDBG08]. m
[Yan03b]. $mK(m, n, k)$ [Yan03a]. N [ADBF03, BAD01, GBTM07, GPW⁺09,
MWA01, SvAS01, AKZ00, RF05a, RF06a, RF07, RF08, Yan03b]. $n = 3$
[GCP⁺02]. $\nabla \cdot \vec{B} = 0$ [Cha04]. $n \approx 1000$ [HB05]. $\nu\nu\gamma$ [KFI⁺01]. $O(3)$
[CSW02]. $O(\alpha_s^3)$ [BKKS09]. $O(N)$ [ÖDÇ02]. P
[CWW06a, Sim09, MNY00b]. $\{P, N\}$ [LVV06]. P^3M [TC06]. Φ [SVP09].
 $\pm J$ [HG02a, RLU00]. $pp/p\bar{p}$ [TKK⁺06]. $pp/pp\nu$ [TSA⁺03]. Q [TL09]. R
[De 02, BBB⁺00, HS03, MN01, SSB⁺09, SNBB02, Zat06, CLFH07].
 $r_{12}^k \exp(-\gamma r_{12}^2)$ [WD04]. $r_{12} \exp(-\gamma r_{12}^2)$ [SKH02a]. Σ [Kar02]. $SO(5) \supset SO(3)$
[CRW09]. $\sqrt{3} \times \sqrt{3}$ [RPD⁺05]. $SU(2)$ [CM03]. T
[ÇHM00, DEW00, BRdAHK04b, CA09, dAK01]. \tanh [Wan09b]. τ
[BEM⁺02]. $\tau^+\tau^-(n\gamma)$ [PSW00]. $\tau\tau\gamma$ [PSW00]. $\tau \rightarrow 4\pi$ [BEM⁺02]. θ
[GWK09]. \times [CW02]. $Tl|W|$ [CDQF07]. $U(1)$ [BB09a]. $U(3) \supset SO(3)$ [Dra01].
 $U_q[gl(m|n)]$ [De 02]. W [JPS⁺01b, JPS⁺01a]. $w = 5$ [Blü09]. X
[MN07, CC04]. Ξbb [CWW07]. Ξbc [CWW07]. Ξcc [CWW07]. Z
[SBL⁺04, Mic07, Pet04, RG04]. Z^d [HJ02].**

-2 [CW02]. **-a** [MP03]. **-aluminum** [RJCH00]. **-body**
[KNU00, ADBF03, BAD01, GPW⁺09, SvAS01]. **-centre** [PAT⁺09].
-coupled [SJF07]. **-coupling** [GF01, GFG01, GF02b]. **-cut** [CLFH07]. **-D**
[Bal07, FMD07, MLF07]. **-dim** [GBD03]. **-dimensional**
[KNU00, Tat07, Sch06a]. **-direction** [LTT09]. **-electron** [MWA01]. **-factor**
[Kon02]. **-files** [BBB⁺00]. **-functions** [PFG06a]. **-Lagrange** [LCHJ09].
-matrices [BRdAHK04b]. **-matrix**
[dAK01, BBB⁺00, ÇHM00, DEW00, MN01, SSB⁺09, SNBB02, Zat06].
-method [PAD07]. **-orbit** [Dev05]. **-pair** [JPS⁺01b, JPS⁺01a]. **-penalized**
[Lor08]. **-pinch** [Pet04, RG04]. **-pinches** [SBL⁺04]. **-Point** [Tör00, TMN01].

-product [Tos08]. **-qubit** [RF05a, RF06a, RF07, RF08]. **-ratio** [HS03]. **-ray** [MKJ⁺05]. **-regime** [GHLW03]. **-SHAKE** [GWK09]. **-SiC** [MCC05, RPD⁺05]. **-space** [CC04]. **-stability** [Sim09]. **-state** [CBBJ02]. **-theorem** [CT00]. **-to-** [LDZ⁺08]. **-wave** [CWW06a].

0 [Par04, Sha04, Vio04, Wan00]. **0-471-98495-7** [Wan00]. **0.0** [BLS01]. **0994** [Hoo04].

1 [CRPC08]. **1.0** [KRW03]. **1.02** [JS07]. **1.3** [BBPS06]. **1/f** [RDSS01a]. **10-state** [BKB02b]. **100** [NSYZ02]. **111** [NSYZ02]. **124** [JKW06]. **125** [Ixa01]. **126** [TA00a]. **127** [KM01b]. **128-bit** [DH00]. **130** [MOS01]. **134** [AA01b]. **144** [DVL⁺04]. **146** [Voi03]. **147** [LPR04, MSHP20]. **147/3** [MSHP20]. **150** [Ida03a]. **151** [Yos07]. **153** [Hon04]. **156** [WA07]. **161** [TND05]. **1611** [Hoo04]. **1611-0994** [Hoo04]. **162** [SM06a]. **166** [GDAG05a]. **174** [AAB⁺07]. **175** [FNR⁺07]. **177** [CSC⁺08]. **178** [CGG⁺09]. **179** [CGVA09a, Poi09]. **180** [Nat10, Ram10, Ras17, Wu10].

2 [Ano09u, ABC⁺01, BCAD06, Hah09, HM08, Laf03, SS09a, SIE04]. **2-dimensional** [SD07]. **2.0** [ABM03, BBPS07a, BCKT09, CGVA08, GS01b, HTNFBS06a]. **2.0.7** [BBPS07b]. **2.1** [HTNFBS06b, Pöt00]. **2.7** [TKK⁺06]. **2000** [BJS00]. **2001** [DVL⁺02, Koc02]. **2003** [Ano04b, Ano04c]. **21st** [Nov02, Swe02, You02]. **2DRMP** [BNFM⁺09, SSB⁺09].

3 [ABF⁺01, Hah01, Laf03, Par04, Sha04, Vio04]. **3-540-43289-2** [Laf03]. **3-540-43416-X** [Hoo04]. **3-540-43908-0** [Par04]. **3-540-44363-0** [Sha04]. **3-540-66783-0** [Vio04]. **3.0** [MMEH08, Sem09]. **3.1.1** [PDL04]. **3.25** [SS02a]. **31** [KS08]. **32-bit** [JC01]. **36** [Tho04b]. **39** [NY08]. **3D** [Wel03].

4 [SHI02, Wel01]. **47** [Tho04a]. **4B** [KN07a]. **4th** [ISX05]. **4th-order** [ISX05].

6.2 [KRW03]. **6.3** [KRW03]. **6D** [FDM07].

7 [BLS01, Wan00]. **7-0.0** [BLS01]. **77** [Dem03, Dem06].

90 [BRdAHK04a, DG08, KLM00, PS08, SS09a]. **90/95** [DG08]. **95** [vH06].

A-priori [DVG05]. **a.c** [KSTL03]. **Ab-initio** [PCCD09, MKB02, Nik03]. **ABC** [SCM00, TAP01]. **ABCD** [ATP01]. **Abel** [CTR00]. **ABINIT** [Ano09a]. **absolute** [SVMT00, Sus01]. **absorbing** [UOM01]. **absorption** [JK01, KV07, NI01, VAH04, Yos03, Yos07]. **abstract** [Por00]. **ac** [WGY01, iOY01]. **accelerate** [BK05c]. **Accelerated** [LBP⁺09, WH00, FIT03, LdG⁺07, GPW⁺09]. **Accelerating** [BBD⁺09, LSVMW08, MBKJ09]. **acceleration**

[BDV04, KH06, NRR01, Wen01]. **accelerator** [KSHP02, SEE+03, TIN+09]. **Accepting** [FHF00]. **Access** [BNO+01, Ano09s, Han00, ZC09]. **accessible** [BDH+05]. **Accord** [Ano09u, Hah09]. **Accounting** [YvG05]. **accuracy** [FG04, MBR01, RMK05, SSZ01, TAKN02, TB87]. **Accurate** [KDW00, Mam08, SMH+01, UK02a, UYK+04, itVPG08, AH02, BT01, CWSH08, CD04, DWZS05, EÅU05, LTG09, Moh08, NM01a, Sim00, SR01a, VKM+05, WW05, YB02b]. **AcerMC** [KRW03]. **Acetylene** [SPC+05]. **achievements** [Mül05]. **acid** [CTI07]. **acid-water** [CTI07]. **aCLIMAX** [RC04]. **acoustic** [NN06]. **Acoustical** [WP06, SWP03]. **acquisition** [GMO03]. **acting** [JKKT00]. **actinides** [EÅ01]. **action** [Dür05, Elb05, HJM02]. **action-computer** [HJM02]. **actions** [KT04]. **activated** [RLU01]. **Active** [AC05a, KL01, LOY07]. **activity** [EYJ07, IN02]. **adaptability** [GGL03]. **adaptation** [BTS06]. **adapted** [Fra02, LLY07]. **adapting** [Jad00]. **Adaptive** [Bre05, CC07, CNDC09, Dys02, KNTG03, PM01, SF00, Zit09, ABRs12, BS08, DPSG06, FS08, GHPS04, HCH+06, HJZ09, KTT09, KCH00, KKF+04, LLCS01, LHS+06, MOM+00, MM05, Ros04, SJCM04, SD07, SFR05, TC06, WPL02, ZS03, Zie04, Zie05, Zie08, vdHKM08]. **adaptive-resolution** [ABRS12]. **Addendum** [Ram10, Voi03, Yos07]. **adder** [BDLT02]. **addition** [CWW06a, SI01, VEG08]. **additional** [VC08]. **ADF95** [Str05]. **ADI** [BH05, Mah08a, SBD+06, Zie04]. **ADI-based** [Zie04]. **ADI-like** [SBD+06]. **adiabatic** [APV00, BBOY08, BC05, CGA+07, CGVA08, CGG+08, CGG+09, CGVA09a, EKW09, KM05, MN01]. **adiabatic-by-sector** [MN01]. **adjacency** [LB04]. **adjoined** [CGVA09b]. **adjustable** [Bar03]. **adjustment** [bHhL07]. **adjustment-stabilization** [bHhL07]. **admixed** [BK01]. **adsorbate** [LJ01, YN05b]. **adsorbed** [WMNS09]. **Adsorption** [LK07, MB05a, PLL07, SPV07]. **Adsorption-induced** [MB05a]. **advanced** [CNFR01, GCD06, NK07]. **advances** [Ano04b]. **advection** [AGV00, Ida02, ISX05]. **advection-diffusion** [AGV00]. **ADZH_v2_0** [CGVA09a]. **AEAA_v1_0** [CGG+09]. **aerosol** [OPB+09]. **affine** [MP01a, PZ01]. **AFMM** [VCCS05]. **after** [ZSdD+08]. **Against** [CJC09]. **AgCo** [PMH08]. **agent** [LNV+09]. **agents** [BA09]. **agglomerates** [CGC+09]. **Agglomeration** [WDF+02]. **aggregates** [MDS09, Vor02]. **aggregation** [KP01, Vor02]. **aided** [ZSSA00]. **air** [EFG+00, KMZZ05, NV09, RMVQ07]. **Airy** [Ixa07a]. **aITALC** [LR06]. **Al** [JK01, KNSY07b, LK07]. **ALE** [DMR01, DMR02]. **ALEGRA** [RG04]. **ALEGRA-HEDP** [RG04]. **Alfvén** [DJ04, GIME02]. **Algebra** [Koc02, BKKS09, BCV03, MG08b, Pee07, Pue06, Rob00, Wei04]. **Algebraic** [Blü04, Har00, JC07, SKF05, BS03, dSB00, IBA00, JC08b, MKS07]. **algebras** [AF05, dSB00]. **Algorithm** [WHCL07, ALV05, AH03, ABER00, Asc08, AK03, BVY05, BPRW06, BH05, BJ08, BB04b, BR09, BG09, BJ03, BSS09, BS08, Bru00a, BCCW03, CN01, CNFR01, CJK09, CKV04, ÇHM00, CHP04, CAF+03, Col07, CL08b, DC00, DGAG06, DB08, Dzu09, Eas08, FMD07, FNR+06, FNR+07, FMN01, GFP00,

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, T6t06, 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]. **AIN** [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, AdIT03, 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, dIRBPL09, 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,

GF02b, GSF05, GWK09, HCO01, ID09, IFF01, PFG06a, Ste02, SFSL09, ZF00].
anharmonic [TS06, dAK01]. **animals** [HNG05]. **ANIS** [GK05].
Anisotropic [HP02, dAK01, CHM⁺09, DDD⁺01, GMBC08, LWY01, MA09, Ots01, SF05, TBL02, Wei02a]. **anisotropy** [CM06, FER⁺07b]. **annealing** [BH03, CEM08, FHF00, Sch06a, TL06a]. **annihilation** [AAC⁺06, BBC⁺01b, WCBN05]. **Announcement** [Ano01-39, Ano07-29, Ohl04, vH07]. **anodic** [LC08b]. **anomalous** [BKK09, JKW00, JKW06, PSW00]. **antenna** [CLL⁺07, LCS07, PHKL02].
antennas [Bla00]. **antiferromagnet** [BM06, TBL02]. **antigen** [Dom05].
antigen-chip [Dom05]. **any** [CAF⁺03]. **any-flavor** [CAF⁺03]. **APACIC** [KSS06, KKIS01]. **APE** [Ano02a, ON08, Tri01]. **appearance** [NY08].
Appell [CGM01, CG04]. **Application** [ASJ⁺03, BD08, BJ05b, CEM08, DDEM00, EVL00, FMD07, KITK00, LFT01, NW02a, NRR01, OTY02, PKPV02, RDIFF02, RMLB01, SAG⁺02, Str00, VPK⁺01, AC07, AAKL07, Bal07, BNO⁺01, BFLW07, BS04b, CPS00, CSZ⁺07, DGR09, Dup01, Dys02, HCH⁺06, ID09, KAB⁺00, LS09, MT01, MRF⁺05, MS08b, NN06, OMF03, QP05, RLV⁺08, RY00, SLC09, SEC04b, SN07, Sho04, SGL09, UTO09, Vég04, WV05, ZS07, VAH04, ZC09].
Applications [JJHvO03, LV08, Nil07a, RM05a, BP08a, BBB⁺01, Bru04, CDH⁺06, GC01, GLHW01, HMY⁺02, Ida03a, Ida03b, KKKC07, KS04b, LYL07, LdG⁺07, LHS⁺06, MRF⁺05, OS00b, Ram10, San00, Sta02, Suc02, WHL⁺07, Yan03c, ZC09, KPD06]. **applied** [Bes02, CRS01, IF03, MKJ⁺05, NP01b, SS02b, Tol02, TIM07, TIM08, Wal03, WGY01, WJW09]. **Applying** [Iwa01]. **Approach** [ST09, Ano09a, Bow02, CRS05, CCBL02, CGA⁺07, CGVA08, CGVA09a, CD04, CB05, DC05a, FD03, FGF03, GBA01, HKK⁺01, Hon04, HCIK00, Huk02, IKO00, IN02, KKKC07, Ker02, KSHP02, KM03, KM08b, LJ01, LH03, LJ09a, MC03, Man02, MT01, MGG05, MM01, NM03, Niu00, OLS⁺01, PLL07, Pis00, PFPB⁺09, RTS01, RM05b, RLV⁺08, RGD⁺01, SS09a, SG00a, SM04, SM06a, SBM09b, Sch06b, SJDC07, Ska05, Teh01, TKSR00, THC⁺07, VF03b, VKM⁺05, Wil02, WW06, Yak01, Yok09, YT01b, YG09, ZE00, ZPB09, SBM09a]. **approaches** [ABSM04, BDK⁺06, IHAR09, PKKM02, PJSK08]. **approximants** [FH04, RB05]. **approximate** [WW06]. **approximating** [HKP02].
Approximation [AA08, Sch05, AT09, CSCK08, EKW09, FH04, Frú03, GSM⁺03, Inu07, MSB09, OvSA02, OIKN02, PMG07, PCC01, Pom06, Ram10, Rob01, Roy09, SWY01, Tör00, Vak00]. **approximations** [DCJ07, SK08, SSA07, XD08]. **APW** [TKN⁺08]. **aquifer** [Alf05].
ARANEA [MCLDP01]. **Arbitrarily** [SW09]. **Arbitrary** [SLMS06, BD00, BS00a, CJK09, Esi01, FKAM05, IW01, KS05, Kos05, LM02a, LL00, MK09, OKS04, XSC09, Zak06, vH06, vH07]. **arbitrary-order** [vH06, vH07]. **arbitrary-precision** [KS05]. **architecture** [BBB⁺01, EFS⁺08, EL04, GMO03, ISSC01, Oli01, PKB⁺01, SvAS01, SIE04].
architecture/circuit [Oli01]. **architectures** [REAB09, TG00, VHLP09, vDGM⁺09]. **archive** [FFS01]. **arclength**

[KBV09]. **area** [BDH⁺05, CLL⁺07, SM01]. **argon** [HKLY07, MOC03]. **argon-calculation** [MOC03]. **ARGON.f90** [BOPC05]. **argument** [TB87, Tho04a]. **arguments** [TB85, Tho04b]. **arising** [HL08b, HZGZ09, Mam08, Moh08, Ram05, SPS09]. **ARKN** [WYL09, WYX09]. **Arnoldi** [GNZ⁺09]. **aromatic** [EYJ07]. **array** [RG04, ZA01]. **articles** [ME00]. **artificial** [LVLS02, Lik01]. **ARVO** [BDH⁺05]. **ASDEX** [SBCZ08]. **ASEP** [GSM⁺03]. **ASEP/MD** [GSM⁺03]. **ASOS** [OPB⁺09]. **aspect** [CFJ09, QG04]. **aspect-ratios** [CFJ09]. **aspects** [HL00b, JBS08]. **ASPIN** [LDBG08]. **assembled** [BNSY02]. **assembler** [Boy09]. **assemblies** [KMD⁺02]. **assembly** [NT05]. **assessment** [SS00]. **assimilation** [LFT01, WLH00]. **assisted** [AC05a]. **associated** [Blü04, GBM02, KFI⁺01]. **Astrocomp** [BLCR05, CBM⁺05]. **Astrocomp-grid** [BLCR05]. **astronomical** [DDEM00, ME00]. **astronomy** [Ort00]. **astrophysical** [Mül05, SV01, VKPB09]. **astrophysics** [Han00, Huj05, MER⁺00, PM01, SPS09]. **astrophysics-the** [Huj05]. **Asymmetric** [Kim07, VAH04, JC01, KJ07]. **Asymmetric-dimer-symmetric-dimer** [Kim07]. **asymmetry** [Mah08b]. **ASYMPT** [APV00]. **asymptotics** [APV00, PDA06]. **asynchronous** [Uhl03]. **Asyrot** [JC01]. **AsyrotWin** [JC01]. **atactic** [LM02b]. **ATLAS** [McK07]. **atmosphere** [LC01b]. **Atmospheric** [CBMS08, AdIT03, DSH02, DSH03, DSHH05, HJZL07, LHS⁺09]. **atmospheric-pressure** [LHS⁺09]. **atom** [Bac00, BK06a, BGH⁺09b, CWSH08, CGG⁺08, CGG⁺09, Gol00, GG03, HSGBK08, Hin00, HTM01, LJ01, LDBG08, MGG05, Rap06, SNBB02, VKN07, Vie01]. **atom-centered** [BGH⁺09b, HTM01]. **atom-molecule** [Hin00, LDBG08]. **atom/** [MOC03]. **ATOM/NEON** [OMC00]. **Atomic** [HYY07, ON08, Pit05, ZF09, ASH06, BD08, BK01, BKM02, BKM05, BNSY02, Dzu09, EÅ01, FSK04, FBL00, FA00, Fro00, FTGG07, GZF04, GFG⁺06, HGVCN⁺02, HPC05, Hor09, Iwa01, Jia08, JHFG07, KM00b, Kon02, LHMB00, MW01, MTJ02, OS03, PFG06b, RS03, SV01, SKF05, TBR07, Wes07, Zat06]. **Atomic-level** [HYY07]. **atomic-structure** [Fro00, FTGG07]. **Atomistic** [KNSY07b, CCRA05, GLHW01, HOT07, Hef00, MCC05, MRF⁺05, Müs02b, Nak07, SKNV04, Tod01, ULA⁺02, KNSY07a]. **atompaw** [HTM01]. **atoms** [ARV02, BCP04, BM04, EÅU05, EKW09, HHM⁺09, MOC03, Nik03, OMC00, SJP05, TNCG00, Tsa02]. **attempt** [MM01]. **attentive** [Ano01n]. **attractive** [NHS07, Sea02a]. **attractor** [ZWY04]. **attractors** [Lew04]. **Augmented** [HTM01, THM01, ADS06, BVKW02]. **auralize** [TKS⁺01]. **Author** [Ano01g, Ano01h, Ano01i, Ano01j, Ano01k, Ano01l, Ano01m, Ano01b, Ano01c, Ano01d, Ano01e, Ano01f, Ano02d, Ano02e, Ano02f, Ano02g, Ano02h, Ano02i, Ano02b, Ano02c, Ano03a, Ano03b, Ano03c, Ano03d, Ano03e, Ano03f, Ano03g, Ano04d, Ano04e, Ano04f, Ano04g, Ano04h, Ano04i, Ano04j, Ano04k, Ano04l, Ano05a, Ano05b, Ano05c, Ano05d, Ano05e, Ano05f, Ano05g, Ano05h, Ano05i, Ano06a]. **Authors** [Ano00z]. **auto** [Str01a, LL08]. **auto-solitary** [Str01a]. **auto_deriv** [SPF00]. **autocorrelation** [MSS⁺07]. **autoimmune**

[Dom05]. **automata** [BBD00, Sta00, TCO00, VK09b]. **Automated** [HvHHM09, VEG08, PB09b]. **Automatic** [Ano01n, De 02, FIJ⁺03, Kau03, LJ08, MP01a, SMK01, Kol09, Pap01, RMMP02, Sem09, SPF00, Str05, vH06, vH07]. **Automation** [MA00]. **Automatized** [Cza06]. **automaton** [HS01a, KKM02, RDS02a, RDS02b]. **Automodelling** [DKV00]. **Auxiliary** [MR05, Bae03, Bae04, ZKASS05]. **AV77** [CDF05]. **Avalanches** [FV02]. **averaged** [CBKM01]. **avoiding** [Jen01]. **Award** [Ano04a, Ano04c]. **Axially** [SDNR05]. **axis** [LVH07]. **Axisymmetric** [SM06b, BFI⁺00, dNKM07]. **Azurin** [DC05a].

B [TAP01, AAM⁺01, AC09, FZ09, Nik03, TD03, Zat06]. **B-spline** [FZ09, TD03, Zat06]. **B-splines** [AC09, Nik03]. **BaBar** [ADD⁺03, Teh01]. **background** [Con04, JPS⁺01b]. **backlight** [CFJ09]. **Bäcklund** [LL08]. **backscattering** [WSB04]. **backsubstitution** [SG06]. **backward** [HS07, HW09, SGM⁺09]. **BAGEL** [Boy09]. **Baker** [WS09b]. **balance** [BD08, CD09a, ZSdD⁺08]. **balancing** [PSP⁺03]. **Ballistic** [RdAGV⁺00]. **balloon** [AdIT03]. **ballooning** [SHW01]. **band** [GRS06, HKK⁺01, JC01, MS06, Nak08, PL05, PDA06, PAD07, SHX02, SYM00, WP00]. **band-structure** [MS06, SYM00]. **bank** [AL08b]. **bar** [CDQF07]. **bar-mode** [CDQF07]. **Barnes** [Ada04, Cza06, GKR07]. **barrier** [DLZ08, LLY07]. **barriers** [TKP06]. **baryons** [CWW07]. **Base** [CCFG05]. **based** [ABC⁺03, BCC⁺08, BDBV12, Bur02, CGIA07, CSZ⁺07, CCRA05, DDM05, DBE⁺04, DGR09, DHBE05, FBB01, FK00, FKP03, GMAN⁺07, GKK⁺08, HSJ02, IH09, ISS⁺02, JP09, KKKC07, KH09, KSTL03, KKHL07, LM02a, LRI⁺06, LJY07, LNV⁺09, LZC⁺08, LKC06, LCV06, LF02b, LM00, MY00b, Man04, MLG⁺01, MLF07, MM05, RPD⁺05, RGR⁺04, ISX05, SKNV01, SKNV05, SJHY07, TS06, TYS⁺00, UK02a, UK02b, VF03a, VEG08, VPP⁺12, WL00, WCGL00, WDB04, WH00, Yok09, Zie04, dMBC⁺06, dIRL09]. **Baseline** [HKL⁺07a, HKL⁺07b, HLW05]. **bases** [BRD04]. **basis** [BP08a, BC00, DD00, DO04, DO05, DSC⁺09, FA00, GFG⁺06, Hua09, KTT09, KTL05, MBR01, MN01, MAM04, MAM07, MSHP02, MSHP20, Pit05, RB08, SDNR05, Suz00, THM01, TS06, TKN⁺08, UYK⁺04, You09]. **basis-set** [TS06]. **BAT** [CKK09]. **Batch** [BFL⁺01]. **Bauer** [OML09]. **Bayesian** [CKK09]. **bcc** [YKK07, TBL02]. **BCS** [BFH05, RGD⁺01]. **BCVEGPY** [CDEW04, CWW06a]. **BCVEGPY2.0** [CWW06a, CWW06b]. **BDF** [IHAR09, IVD03, VAMVR08]. **be** [MMMM00, VBFM05]. **Beam** [Bre07, PBB⁺04, CP00, OSK04, OKS04, PPP01, QRH00, QR01, QG04, QTL06, Sch08, SBBM04, TAM04, WCG04, YRR07]. **Beam-plasma** [Bre07]. **beams** [AT09, Bar00, LdG⁺07, Mah08a, SFF⁺04]. **bearing** [KMB02]. **beats** [KB02]. **BEEM** [RdAGV⁺00]. **behavior** [DR09, GDAG05a, GDAG05b, HTM⁺08, HOI04, LWT08, Lud02, MCH02, Sat02, SKRK04, TBL02, YGT⁺02]. **behaviors** [LDZ⁺08]. **behaviour** [Bal01, LNLK01]. **Behaviours** [RDSS01b]. **BEM** [BP08a]. **BEM/FEM/GSM** [BP08a]. **benchmarking** [Gre04]. **benchmarking-how**

[Gre04]. **benchmarks** [BMvG00, FHW⁺01]. **Beowulf** [ABC⁺03, Ano03h]. **Beowulf-based** [ABC⁺03]. **Beowulf-class** [Ano03h]. **Berlin** [Hoo04, Laf03, Par04, Sha04, Vio04]. **Berne** [IW01]. **Bessel** [Tho04a, CP00, Tal09, TB87, VC08, YM03]. **Best** [Ano04a, Dem03, Sal02]. **Bethe** [Frü03]. **Better** [FKP03, PB09a]. **between** [AC05a, AC05b, Blü04, CW02, HKLY07, KTL05, KMB02, LCPC04, LJ01, MSD08, Mü102, PSK01b, RCG05, Ver00, ZSSA00]. **Beyond** [Gre04, SWY01, GG00]. **BGK** [AGJJ07, BBD00, KSC⁺00]. **Bhabha** [TI01]. **bi** [LCHJ09, Xia01]. **bi-** [LCHJ09]. **Bi-CGSTAB** [Xia01]. **bias** [OD08]. **big** [KACB07]. **BIGBRA** [AF05]. **bilayers** [LMS05, SDLW07]. **bilinear** [Ram10]. **billiard** [BFB⁺08]. **billiards** [ISSB01]. **billion** [ZBB⁺06]. **billion-vertex** [ZBB⁺06]. **binaries** [CSS⁺03]. **Binary** [dMBC⁺06, BLCR05, GAR05, MY00a, MY00b, Mü102, Pur02, TE05, WS02]. **binding** [CR00, ÖDÇ02, Ver00]. **bio** [BMS⁺09, DC05a]. **bio-fluidic** [BMS⁺09]. **bio-molecular** [DC05a]. **biographical** [Kar01]. **Biokinetical** [GMAN⁺07]. **Bioler** [SIE04]. **Bioler-2** [SIE04]. **biological** [PFPB⁺09, SIE04, YC07, ZDKG05]. **biology** [Rin02]. **BIOMCSIM** [KH01]. **biomedical** [LHS⁺09]. **biomembrane** [Bro07]. **biomembranes** [LMS⁺02]. **Biomolecular** [SG04a, De 07, KH01, MFVJ07, MS09]. **biomolecules** [SLBG09]. **biophysical** [FMD07, MDC09]. **biosensor** [RR02]. **bipartite** [BCHP09]. **bipolar** [LH03]. **biquadratic** [DKC08]. **Birdsall** [Ano04-57]. **Birkhoff** [CRUV00, She08]. **Bisection** [VPK⁺01]. **bistable** [MTZ00]. **Bit** [WHO02, DH00, JC01]. **Bit-parallel** [WHO02]. **black** [BFI⁺00, CGCS07, HBRS05, Leh00, RRRHD08]. **blast** [PPC07]. **blends** [BMML05]. **Block** [CHS09, EM08, HZGZ09, Eas08]. **Block-P** [Eas08]. **blocked** [Cha00]. **BlueGene** [CD09a]. **Blume** [DKC08]. **board** [TIN⁺09, Ano05-40, Ano05-41, Ano05-42, Ano05-43, Ano05-44, Ano05-45, Ano06e, Ano06f, Ano06g, Ano06h, Ano06i, Ano06j, Ano06k, Ano06l, Ano06m, Ano06n, Ano06o, Ano06p, Ano06q, Ano06r, Ano06s, Ano06t, Ano06u, 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]. **body** [AMP⁺00, ADBF03, BAD01, BD08, CW00, DD01, Dzu09, EE02, GPW⁺09, KNU00, KM05, KN07a, LZS06, LEG02, Mak01, NP01a, OMF02, Sav01, SvAS01, TND04, TND05, Var08, VPNW02, VT00c, YB02b]. **Bogoliubov** [MM04]. **Bogoliubov-de** [MM04]. **Bogolyubov** [BD05, DO04, DO05, DSC⁺09, SDNR05]. **Bohm** [DDM07]. **BOKASUN** [CCGR09]. **Boltzmann** [Wal03, BBD00, BS00b, CT00, CK08, DPB01, DHB⁺04, DSL09, Dys02, HL00a, HCO01, IK00, IKO00, KITK00, LNC⁺03,

Luo00, MHR⁺07, MC08, MS05a, OCS⁺08, PPM04, PY08, ST02, Suc02, TMTF00, TCF00, TKSR00, TdFK00, ZHC00, ZY09, vdSvdG08].

Boltzmann-like [Wal03]. **BoltzTraP** [MS06]. **bond** [BCBJ02, CYAS05, HJ02, NLC09, OK06b, ZBB⁺06]. **bond-diluted** [BCBJ02]. **bond-site** [NLC09]. **bonded** [Bac02]. **Bondi** [Rib02]. **Book** [Ano00a, Bre01, Hoo04, Koc02, Laf03, Par04, Sha04, Vio04, Wan00]. **Born** [BS03, CCD07, OIKN02]. **Bose** [BGJ⁺07, BBR03, CPS00, CC07, CCL08, CC09, LR07, Nil07a, SVS01, TQ03, TS06, ZZ09]. **boson** [HHH⁺09]. **bosons** [ABB⁺09, DC05b, HHW00, RM05b]. **both** [AA08, CL08a, Yao09]. **bottom** [TSA⁺03]. **botulinum** [CCD07]. **bounce** [CBKM01]. **bounce-averaged** [CBKM01]. **Bound** [MT00, AMP⁺00, Bac02, DSH03, GLMADB⁺02, GPT08, LEG02, OvSA02]. **bound-constraint** [DSH03]. **bound-state** [AMP⁺00]. **boundaries** [MK09, UOM01, Ver04]. **Boundary** [GPT08, AA08, CRS05, CLR08, CLFH07, CFKM01, CY01, CS02, CHM⁺09, DM09, EH07, Kar02, KEM⁺01, KSSH04, KT07, LJ09a, LC00, LÁT04, Liu07a, MK09, MNV00, MPS09, PPC07, Ram04, Ras09, Ras17, Sus01, WGL06]. **boundary-layer** [Ras09, Ras17]. **boundary-value** [LC00, Ram04]. **bounds** [MA06, SMZ05, ZSM05, vdEFL⁺02]. **Boussinesq** [YB02a]. **BOUT** [DUX⁺09, UXD⁺09]. **box** [NH09]. **boxes** [KN07b]. **bracket** [KHÖ01]. **brackets** [UTKF05]. **Bragg** [MTLC01]. **branched** [JAT03]. **BRANECODE** [MFF⁺05]. **braneworld** [MFF⁺05]. **breakdown** [LSL07, NV09]. **breaker** [PPC07]. **Breaking** [DLZ08, ABD⁺05, BKB02a, ISSB01]. **breakup** [vdSvdG08]. **Breit** [ZF00]. **bremsstrahlung** [Frü03]. **Brenner** [LF02b]. **brief** [Mar08, SMS08, Ver00]. **Brillouin** [Zah04, Zah05]. **broad** [dO02]. **broadening** [WCBN05]. **broken** [Sle00]. **Brownian** [DHB⁺04, RvOvV02, SS02b, WLR⁺08]. **browsing** [BBB⁺00]. **BRST** [PTL04]. **Bruce** [Ano04-56]. **brushes** [LS02]. **BSR** [Zat06, ZF09]. **BtoVVana** [BS06b]. **bubble** [NN06, WGS00]. **buffered** [GS01a]. **builder** [ACC⁺01, ABF⁺01]. **Building** [HS01b, BBB⁺01, FKMB09, SG04a]. **built** [LV08]. **bulk** [Mam08, Moh08]. **Buneman** [Ano04c]. **Burgers** [RE09, Zak00b]. **bursting** [TRGR08].

C [Koc02, KSS06, Ano09t, BCCW03, CJT06, Di 01, DH01, DM07, KS05, KKIS01, Mal00, NT05, Nat08, OGWH03, RPD⁺05, SWS⁺12, Tol02, iTKST01, WR01, Bre01]. **C-code** [Nat08]. **CA3D** [GS01a]. **Cadabra** [Pee07]. **CADNA** [JC08a, SJDC07]. **Cahn** [KEM⁺01]. **calcium** [KACB07]. **calcium-** [KACB07]. **calculate** [Alf09, AC05b, BBPS07a, BBPS07b, BGH⁺09a, CCGR09, GFG01, GLHW01, GG03, KALC08, MM01, NN09, Sar00, SV01]. **calculated** [MMMM00]. **calculates** [Hor09]. **Calculating** [EMJH03a, APV00, All02, BBPS02, CP00, Cip07, Cip08, Cip09, Dzu09, EKW09, Gro01, KW08, LZS06, LC01b, MS06, Mah08b, Mah09a, MFVJ07, Nat08, NY06, Por03, SHX02, SFR05, Tal09, WP00]. **Calculation**

[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**

[Kol09]. **Carlos** [Sul05]. **carpets** [SFSH01]. **Carson** [Don02]. **Cartesian** [CMT00, DD00, DO04, DO05, DSC⁺09, MAM04, MAM07, SFSL09, WPL02, WD04]. **Cascade** [KSS06, KKIS01, BAB04, Jun02]. **cascadic** [DB08]. **case** [AIOST03, ADE⁺02, CM02a, FGV01, HM06a, PR06, SK08, SS09b]. **case-study** [ADE⁺02]. **CaSPA** [MDS09]. **Catfish** [CGCS07]. **cathode** [KHIL07]. **Cavitation** [BNS07]. **CCFM** [Jun02]. **CCP** [Ano05j]. **CCP2006** [Ano07a]. **CCP2007** [Ano08a]. **CCP2008** [PB09a]. **CCP3** [GI01]. **CCP99** [BDL00]. **CCSD** [PKKM02]. **CDF** [ABF⁺01, ABC⁺01, BGLLW01, Sfi07]. **CDiffElim** [WR01]. **celestial** [OMF03]. **Cell** [De 07, MDT03, SHT08, BDYK04, CGIA07, CH09, Cle05, Dec07, EL04, FS08, HKLY07, JH09a, KSYE00, KLD04, LM02a, LC01a, PSP⁺03, Poi08, Poi09, ISX05, SLC09, SLL01, iTKST01, UOTM03, VPCK04, YT01a, YWLC04, ZLM04, Esi01, TCY⁺08, TDD04, VAH04, VCF⁺04]. **cell-based** [CGIA07]. **Cell/Monte** [WJW09, KPL07]. **cells** [ATB⁺01, Dom05, HFN03, TdRGD09, Zah00, Zah01]. **Cellular** [CGIA07, RDS02a, CD08, Jad03, JS07, KKM02, RDS02b, VK09b]. **Center** [SBM09a, GME06, SG00a, SM04, SM06a, Org01]. **centered** [BGH⁺09b, HTM01, KBG00, MP05]. **central** [GZ07, ID09, KG07, KF05b, Ska05, Zie05]. **central-constraint** [Zie05]. **central-field** [KF05b]. **central-upwind** [GZ07, ID09]. **centre** [PAT⁺09, San00]. **centroids** [QTMH07]. **century** [Nov02, Swe02, You02]. **ceramics** [VKN07]. **certainty** [PKPV02]. **CESD99** [FA00]. **CF** [KPL07]. **CFD** [OS00a]. **CFT** [JW02]. **CG** [RMMP02]. **CG-OPT** [RMMP02]. **CGSTAB** [Xia01]. **CH** [LJ09b]. **chain** [FS01b, FS02, NFS01a, NFS02, NL07, PRSB08, Ryc05]. **chain-molecule** [NFS01a, NFS02]. **Challenge** [BNO⁺01, You02]. **challenges** [Ano01a, EL04, Mil05]. **challenging** [WL08]. **chamber** [HFN03]. **chambers** [GKM⁺00]. **changes** [RP02]. **changing** [KMR⁺09]. **channel** [CGA⁺07, CGVA08, CGVA09a, Ixa02, LVV06, Riz02]. **channels** [BEM⁺02, ISS⁺02, KACB07, MS05a, vE08]. **Chaos** [BFB⁺08, Par04, LMC⁺03, Yur02]. **Chaotic** [KB02, ZWY04, AOT01, ÁMRP04, ISSB01, LCPC04, LMC⁺03, MSD08, TYSH05, kWpLwW01, WLW04]. **characterisation** [PB09b]. **Characteristic** [VPK⁺01, Leh00]. **Characteristics** [KKH07, Gha05, GRS06, HKK⁺01, SGF03]. **Characterization** [Lew04, TBR07]. **Characterizing** [GLW03, BHP09]. **Charge** [Ger07, MHK02, PP02, BSTC05, BCH05, Esi01, Har02, LHC01, LHC02, MPR05, PSK01a, PSK01b, Poi08, Poi09, SGF04, UOTM03, XON08]. **charged** [BVKW02, DHB⁺04, KNY05, QR01, QG04, RR02, WDF⁺02]. **charges** [MP05]. **Charles** [Ano04-57]. **Charlotte** [Bur01, Hib01]. **Chaste** [PFPB⁺09]. **Chebyshev** [ABOSPG09, Del08, Hua09, Str00, WP06]. **check** [SJDC07]. **Chem** [FKG00]. **chemical** [ABNÁ05, BFLW07, CRPC08, CRS01, CW01, DVL⁺02, DVL⁺04, HYY07, ISS⁺02, Pin01, PJSK08, SK05, SN07, SVMT00, VEG08, WSB04, ZBB⁺06].

chemical-physics [CRS01]. **chemistry** [KAB⁺00]. **chemometric** [IN02]. **CHEREN2** [CM06]. **Cherenkov** [CM06]. **CHIMERA** [Ano01n]. **Chip** [EFG⁺00, Dom05]. **chiral** [CAW00, GRR01, Jan05, KSS02, KALC08]. **Choice** [Tak00]. **cholesterics** [OMY05]. **Chombo** [MGN07]. **chromatin** [LOY07]. **Chromodynamics** [SHT08, ABD⁺05]. **CI** [ABER00, Nik03]. **CIP** [MS08a, MYJY01, UK02a, UK02b, UYK⁺04]. **circuit** [LH03, Oli01, PPC07, Pet04, VK09a]. **circuits** [Bor02]. **circular** [DM09, VYK02]. **circularly** [NY07]. **circulation** [SVS01]. **Class** [Bel05, Ano03h, BBJS09, CR08, KPF03, PSH06]. **classes** [CTR00]. **Classical** [Elb05, MKB02, Rap02a, ASH06, ASF⁺05, BFB⁺08, CL08b, DDFI09, GF02c, HSSA01, KB02, Lüt04, MFVJ07, NP01b, Ram03, SLBG09, SS06, TBL02]. **Classification** [KW07, AAM⁺01, OMF03]. **Clausius** [LWY01]. **cleaning** [JH09a, MOS00, MOS01]. **clear** [RTVZ08]. **clear-sky** [RTVZ08]. **ClearSpeed** [TIN⁺09]. **Clebsch** [BRD04, CRW09, Dra01, KW08, RF06b]. **Clifford** [AF05]. **close** [BLCR05, HSJ02, KF05a, MPR05]. **closed** [BKKS09, Sim08]. **closure** [Ker02]. **cloud** [Kon01, MMTH04]. **clouds** [NN06, Shi09]. **clues** [AL08b]. **Cluster** [BHL02, LMM⁺08, MSS⁺09, Mel05, Sat02, ALV05, Ano03h, BPRW06, BOG⁺07, BJ08, CMRS02, Gut06, KPS⁺01, KDW00, LC01a, PKKM02, RD05, RS09, Val05, Vor02, YNS⁺09]. **cluster-cluster** [Vor02]. **Cluster-forming** [LMM⁺08]. **cluster-surface** [KPS⁺01]. **CLUSTEREASY** [Fel08]. **Clustering** [GM00, BCCW03, Got01]. **clusters** [ASH06, Bac02, BBOY08, BBB⁺04, BM01, DDFI09, Fel08, GCP⁺02, GB05, GF02c, HGVCM⁺02, Iwa01, JBA05, Kur02, KFB01, LNLK01, MB05b, MTJ02, NWO2a, Tak03, Yur02]. **CMS** [Org01, ACC⁺01, GKM⁺00]. **CMS/ECAL** [Org01]. **CMSapi** [MRF⁺05]. **CNDO** [SS09a]. **CNDO/2** [SS09a]. **CO** [Gha05, Mah08a, VMMB02]. **co-propagating** [Mah08a]. **coalescence** [NFS01a]. **coalescing** [CSS⁺03]. **coarse** [ASS⁺02, BLS09a, EL06, FAiTD01, LMS⁺02, LS09, MS09]. **coarse-grained** [ASS⁺02, BLS09a, EL06, FAiTD01, MS09]. **coated** [CAW00]. **coating** [SR01a]. **Coatmèlec** [GMAHV⁺09]. **COBRA** [SHW01]. **Code** [Ano04-46, LC01b, OSK04, OKS04, PMA⁺04, RGD⁺01, ATF⁺09, ADBF03, Bar03, BAD01, BLCR05, BCAD06, BADC07, BMS⁺09, BG06, BB00, BN07, BAB04, BGS⁺04, CBKM01, CGK⁺00, CG04, DGV08, DGS08, DTD⁺02, DPB01, DKM07, DHBE05, EH07, Elm09, EKW09, EL04, FWP01, GMAN⁺07, GBFS07, GS01a, GBTM07, GT04, Gre07, GZ07, GSSN00, Hah08, HSGBK08, HvDJvdM01, HTM01, ICT01, JKCGJ08, JBA⁺07, KH09, KSYE00, KLM00, KCH00, KLTH04, KSSH04, LANM⁺01, LKPH08, LDBG08, MS06, Man04, MGG08, MC08, Maz00, MB04, Min01, MK08, MAM07, MNV00, MDM05, Nat08, NN09, PLPS08, PBI07, PCC⁺09, PCCD09, PM01, PSP⁺03, PPP01, RtVR09, RJFB08, Rib02, RGR⁺04, SHW01, Sea02b, Sea02c, SLL01, SPF00, Str05, SMK01, SSB04, Swi04, THM01, TAM04, TC06, Tol02, TDD04, Ton07]. **code** [UXD⁺09, UTO09, VKPB09, VT00a, WML⁺05, WHL⁺07, YSM09, Zie04, Zie08, vdHKM08]. **coded** [HCO00, ICO03, SCO00]. **codeposition** [NG02]. **codes**

[AG05, CR05, Dec07, DBE⁺04, HDG07, HHL06, Kud09, LC01a, MCL05, PSK05, RLI07, SBM⁺04, SJDC07, SSB⁺09, SGF04, TCY⁺08, WJW09, Zat06].

Coding [LS09]. **coefficient** [LL08, Ste02, SS02b, qX09, ZLL09]. **coefficients** [BRD04, BKKS09, CRW09, DK05, Dev05, DJ08, Dra01, Dy09, FGA04, Fat02, FIBT01, GF01, GFG01, GF02b, GSF05, HM06a, HB05, Kas00, KW08, RF06b, Vak00, VF03a, VF03b, Van05c, WP00, Yan03d]. **coexistence** [FFF01, KF05a]. **coherent** [SJHY07]. **cohesive** [KBBW02, YZD⁺07]. **coil** [YD06]. **coincidence** [MKJ⁺05]. **cold** [PCV06]. **Collaboration** [Ano04-46, PMA⁺04, All01]. **collaborative** [dSdSW08, GI01]. **collapse** [HBR05, MMTH04, SBD⁺06]. **collection** [vDGM⁺09]. **Collective** [AK03, LV08, BA09, YG09]. **collider** [BDW06]. **colliders** [ABM03, BBB⁺09a, DDRW03, Kol03, Por03]. **Collision** [PM00, ZBB⁺06, CL08b, FBL00, RFK08, WRMG05]. **Collision-free** [ZBB⁺06]. **collisional** [HD04, HvDJvdM01, KA04, MV04, ST02]. **collisional-radiative** [HD04]. **collisionally** [LHMB00]. **collisionless** [GBC⁺04, JBA⁺07]. **collisions** [Abe01, BF04, BPP01, Che05, GG03, HSGBK08, JWW00b, Tom09, TSA⁺03, TTK⁺06, WM00]. **collocation** [LFT01, LFT03]. **colloidal** [All05, CMS04, KNY05, MHK02, SBD⁺05, itVPG08, YNK05]. **colloids** [DHB⁺04, FHR⁺05, SF05]. **color** [AEEdR05]. **colored** [Gen01]. **Columbus** [Pit05]. **Combinatorial** [Flo01, DLZ08, JS08, Zim05]. **combined** [ASJ⁺03, FSK04]. **Combining** [CL08a, DGLB08, GSM⁺03, Hin00, SR01b]. **combustion** [ZLM04]. **Comm** [DVL⁺04, LPR04, MSHP20, Ras17, TIM08, WA07, Yos07]. **Comment** [AA01b, Hon04, LHC02, Ixa01, Mar08, Ram10, WLW04]. **Comments** [Har02, Moh08, MA08]. **Committees** [Ano05j, Ano07a, Ano08a]. **Common** [KSS02, TBR07]. **Commun** [AA01b, AAB⁺07, CSC⁺08, CGG⁺09, CGVA09a, Hon04, Ida03a, Ixa01, JKW06, KM01b, KS08, Nat10, Poi09, Tho04a, Tho04b, TND05, Voi03]. **Communication** [BFL⁺01, TA00a, CD09a, GDC01, MP01a, SOAW08]. **Communications** [Ano02j, Ano02k, Ano02l, Ano02m, Ano02n, Ano02o, Ano03i, Ano03j, Ano03k, Bro00, FNR⁺07, Fij00, GDAG05a, MOS01, Ram10, SM06a, Wu10, GCD06, 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]. **Communications** [Ano08c, Ano09c, Ano09d, Ano09b]. **community** [KOS⁺09, MOM⁺00]. **Comp** [Ida03a]. **compact** [JS07, Jen01, SIH⁺01]. **compacting** [KBBW02]. **compaction** [RLH⁺09]. **compacton** [YB02a, Yan03a]. **comparable**

[DCJ07]. **Comparative** [FHW⁺01, BCV03]. **Comparison** [FS03, HKLY07, LJY07, SG06, Van05a, YZW02, BP08b, KALC08, RE09, RLI07, TBZ12, Ver00, PSK01b]. **comparisons** [GPW04]. **Compartment** [GMAN⁺07]. **COMPASS** [Mar01, TLDM03]. **Complete** [AC05a, CK08, Zim02]. **completely** [JP09]. **completeness** [AC09]. **completion** [SHV⁺01]. **Complex** [CIC⁺03, KD09, LLH07, NM03, Ber02, BKM02, CDF05, DPB01, GSS06, KM01a, LBM05, MCH02, MC08, MPK00, Mic07, MS08b, MPS09, NN09, Poi08, Poi09, RDSS01a, SK08, SHZ01, TT06, TB85, TB87, Tho04a, Tho04b, Tod01, WKP⁺01, WRMG05, WLGX09]. **Complex-scaled** [NM03]. **Complexity** [MBC⁺09, SSA07]. **complicated** [NP00]. **Component** [LM00, JKCGJ08, TdFK00]. **components** [T6t06]. **composed** [GBD03, HSS⁺08]. **composite** [CL03, GMBC08, PKPV02]. **Composition** [KFB01]. **compound** [BAB04]. **Comprehensive** [SBM⁺04, TJLR06]. **compressible** [Ida00, Ida03a, Ida03b, LTA05, TIM07, TIM08, dNKM07]. **compression** [MM05, OCK⁺00, Pet04]. **Comput** [AA01b, AAB⁺07, CSC⁺08, CGG⁺09, CGVA09a, DVL⁺04, Hon04, Ixa01, JKW06, KS08, LPR04, MSHP20, Nat10, Poi09, Ras17, Tho04a, Tho04b, TND05, TIM08, Voi03, WA07, Yos07].

Computation [AS00, BMC05, GFS03, KMS09, SKH02a, WRN01, dDSFY04, BD00, BGH04, BS00a, BDT00, CNMC09, Che07, CA09, DB08, FD03, FL01, Gal00, GT01, Hon04, Ida02, Ixa07a, Kol09, KTL05, KH06, LVV09, LTG09, LJ08, MS08b, NJ00, Pap01, PPC07, PTL04, RTVZ08, SBM09b, She08, SI01, Ste01, TF04, UTKF05, VK09a, qXbL04, qX08, Yan02, Yep02, dSdSW08, dLGS⁺05].

Computational [Att09, BDL00, DC05a, Gou00, GI01, HKK02b, KB04, LCB⁺00, Lan07, Mel01, MRF⁺05, MS05b, MB05b, Nov02, OLX07, PRBD09, SWS⁺12, SHJ07, Swe02, TdRGD09, Ano09s, BLM01, dSB00, Bor02, Bor07, Bra05, CZC00, CRS01, CMT00, CMT01, CSZ⁺07, FS00, GGL⁺02, GLL⁺02, Gun02, KAB⁺00, KB02, LNK01, LPC⁺04, LCE⁺09, MSK⁺02, Min01, NP01a, OBG09, RM05a, Rin02, SG00a, SM04, SM06a, SBM09a, SI01, SAG⁺02, Suz00, TCY⁺08, WG01, WM00, You02, Zie08, Hoo04]. **computational-task** [Ano09s]. **Computations** [Str01a, Ada04, ABNÅ05, ABD⁺05, BBD⁺09, Di 01, DPSG06, FIT03, FMN01, Inu07, KMZZ05, KKF⁺04, KM08b, Liu07b, ZE00, vDGM⁺09].

compute [BCP04, BFLW07, CG04, Dy09, HB05, KP00, Sal02, SSP08a, Ver00].

Computer [All05, AC05a, Ano02j, Ano02k, Ano02l, Ano02m, Ano02n, Ano02o, Ano03i, Ano03j, Ano03k, BA09, BR09, BDV04, CAAM08, DHMD00, Elb05, FNR⁺07, Fij00, Goc04, GH01, GDAG05a, HMY⁺02, JDBT06, KM01b, LPRS02, LPR04, LVLS01, LMS⁺02, MOS01, NY06, NY08, NP00, Ram10, Rob00, SM06a, SBBM04, SAU⁺04, TA00a, Tod01, Wu10, BCC⁺08, BDLT02, BCG03, BG06, BL05, BKKS09, BD06, BCV03, Cha07, CRS01, Cip07, Cip08, CHP04, CPT⁺01, DS06, Dan07, DDM07, DMD⁺07, DJ08, DSS01, FKP03, Fra07a,

GS01b, Gro01, HJM02, IOM00, JP09, JDBT09, KK04, LM02b, MTLC01, MG08b, Mas00, MVS05, Mis02b, 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, Si07, 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, LAT04, 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**

[BJ05a, LH02]. **congruential** [DH00, WH06]. **conical** [BCH05, PL05].
conjectures [JW02]. **conjugate** [GHP01]. **conjugated** [vdHBP⁺02].
commutant [IH09]. **connection** [OML09]. **connections** [MTC07]. **conquer**
[SKNV05]. **CONQUEST** [GBTM07]. **Conservation**
[Laf03, Che07, Esi01, Poi08, Poi09, TYN02, UOTM03, ZY09]. **Conservative**
[IHK⁺08, ML06, Cha04, Ida02, KNTG03, TNY00, UTO09, UNK12].
conserved [GKI02, GKI04]. **conserving** [ACIZ07]. **consideration** [Kon01].
considerations [Rap06, Wen01]. **consistent**
[BTI01, DPSSG06, PHKL02, Pet04, Pit05, WH00, ZSK⁺04]. **Constant** [QP05,
CCD07, CW01, HM06a, Kos05, LTA05, Lei02, Mor01, SN07, Var02, qX08].
constant-pressure [Mor01]. **constants** [PCCD09]. **constituents**
[GMB08]. **constitution** [Bur02]. **Constrained**
[GOG00, JPS⁺09, bHhL07, JS06, Ros04, Zim05]. **Constraint**
[CLR08, DSH03, GZ07, Zie05]. **constraint-transport** [GZ07]. **constraints**
[GWK09, OK06b]. **construct** [GT01, Yan02]. **Constructing**
[DCNDC09, FMMQ08, Hin00, Liu07b, TNY00, Sev00]. **Construction**
[CRW09, FMG00, PJK00, Vak00, BCC⁺06, De 02, GKR07, KLM00].
constructive [Teh01]. **Contact** [KBBW02, SM06b]. **containing** [LTG09].
contaminated [SR01a]. **Contents** [Ano01r, Ano01s, Ano01t, Ano01u,
Ano01v, Ano01w, Ano01x, Ano01y, Ano01o, Ano01p, Ano01q, Ano02s,
Ano02t, Ano02u, Ano02v, Ano02w, Ano02x, Ano02p, Ano02q, Ano02r,
Ano03-29, Ano03-30, Ano03-31, Ano03-32, Ano03-33, Ano03-34, Ano03-35,
Ano04-36, Ano04-37, Ano04-38, Ano04-39, Ano04-40, Ano04-41, Ano04-42,
Ano04-43, Ano04-44, Ano05-31, Ano05-32, Ano05-33, Ano05-34, Ano05-35,
Ano05-36, Ano05-37, Ano05-38, Ano05-39, Ano06d, Ano07g, Ano08e, Ano09e].
context [FKMB09, LM00, MC09]. **continuation**
[Bli00, CC07, CCL08, Cza06, KBV09]. **continued**
[RMLB01, TB85, Tho04b]. **continued-fraction** [TB85, Tho04b].
continuous [AP04, BR09, HSJ02, TL06b]. **continuum**
[FGMT02, LBM05, LH01, TP01, TD03, VPCK04, Wol03]. **contour**
[KCH00, KK06]. **contracted** [AC05a, AC05b]. **Contrasts** [ZSSA00].
contribute [BKB02b]. **Control**
[PK01, AAM⁺01, DB08, FGV01, KMR⁺09, LNV⁺09, Nii00, SS09b, WDHE04].
controlled [BDHP08, FG04, HOI04, TL06b]. **convection**
[EELZS04, KT05, KNT08, MZB⁺04, Ida00]. **convection-diffusion**
[MZB⁺04]. **convective** [KKSR04, Sus01]. **convective/absolute** [Sus01].
Convergence [BGJ⁺07, LOL06, KSHP02, LH01, Wen01]. **converging**
[Maa06]. **converted** [WBDB04]. **convex** [Dem06, KH06, RLRR06].
convex/concave [Dem06]. **convolution** [Kas00, YZW02]. **cooling**
[FS01b, LLLZ01]. **cooperative** [IN09]. **Cooperativity** [LLPL08].
Coordinate [BD05, SHW01]. **Coordinate-space** [BD05]. **coordinates**
[CMT00, CMT01, GVMW04, JBA⁺07, LB00, SGL09, SFSL09, XON08].
copolymer [ZM00]. **CORBA** [LM00]. **core**
[BVY05, HSS⁺08, MMTH04, NM03, ON08, PKB⁺01, RM05b, SBD⁺06,

TND04, TND05, WLR⁺08, AIOST03]. **Coriolis** [CA07]. **Coriolis-coupled** [CA07]. **corners** [Ple02]. **correct** [Rob00]. **correcting** [ZS03]. **Correction** [SS02b, DVL⁺04]. **corrections** [FGR06, JPS⁺01b, KLD04]. **correlated** [AC07, Alv09, SOS01, Zha00]. **correlation** [BC05, FFD00, ICO03, LCPC04, PGS02, SKH02a]. **correlations** [BS04a]. **Corrigendum** [LPR04, MSHP20, Ras17]. **corrugated** [YW01]. **cosine** [CJC09]. **Cosmic** [Tol02, Min01, NRR01]. **COSMOCR** [Min01]. **cosmological** [ADBF03, BADC07]. **cosmology** [Min01]. **Cost** [Got01]. **Cost-effective** [Got01]. **Cotes** [Sim08]. **COULCC** [Tho04b, TB85].

Coulomb
 [Tho04b, AMP⁺00, BBB⁺04, DSC06, FSB09, HJZ09, IM01, LS01, MR05, Mic07, Nob04, OIKN02, OS03, PAT⁺09, Sar00, Sea02a, Sea02b, Sea02c, TB85]. **counterpart** [BSB02]. **counting** [CM06, Car06, Car07, RCGC00]. **Coupled** [BOG⁺07, CDH⁺06, HPC05, ASF⁺05, AK07, Bac00, CGA⁺07, CGVA08, CGG⁺08, CGG⁺09, CGVA09a, CA07, EMJH03b, GLL⁺02, Gut06, Ixa02, KPL07, KCR07, LVV06, pLbL03, Mel01, PKKM02, Riz02, SJF07, SQ03, TEP00, TY01, WJW09, YT01b]. **coupled-channel** [CGA⁺07, CGVA08, CGVA09a]. **coupled-cluster** [PKKM02]. **Coupling** [DTHL09, CKS00, DK05, DKC08, FIBT01, FIT03, Fri09, GF01, GFF01, GFG01, GF02a, GF02b, GSF05, IFF01, PFG06a, PHKL02, Ste02, T6t06, dIGGS⁺05]. **couplings** [EH06, JKW00, JKW06, PSW00]. **covariant** [CMM09]. **cover** [HBW05]. **CP** [HHW00, LVV04, LPC⁺04, LCE⁺09]. **CP-even** [HHW00]. **CPC** [BJS00, BB09b]. **CPM** [LVV06]. **CPsuperH** [LPC⁺04]. **CPsuperH2.0** [LCE⁺09]. **CPU** [FEHC01]. **CR** [NY08, PKKM02]. **CR-39** [NY08]. **CR-CCSD** [PKKM02]. **Crack** [MCC05]. **Crack-tip** [MCC05]. **cracks** [VKN07]. **Cracow** [Gre07]. **Crank** [Sch05]. **crashes** [Sor02]. **CRAY** [ALN⁺01, WLH00]. **create** [Esq04]. **Critic** [dIRBPL09]. **Critical** [CM03, JJK05, LWT08, Bal01, BBS09, BJ08, BL00, BMML05, DGAG06, FBB01, GDAG05a, GDAG05b, KSS02, MCH02, MKM02, SS07a, Sat02, TBL02, YGT⁺02, ZsD⁺08]. **criticality** [KF05a, SOS01]. **CRModel** [HvDJvdM01]. **Cross** [AIOST03, BS03, Cip07, Cip08, Cip09, HSGBK08, Hor09, Kol09, LDBG08, MOC03, Nik03, OMC00, Pap01, Sal03, SBM09b, Yos03, Yos07]. **cross-section** [Pap01, SBM09b]. **Crossover** [BCBJ02, ACC09, ISSB01, RCG05]. **crossovers** [MKM02]. **crumpling** [TÅT09]. **cryptanalysis** [ÁMRP04, WLW04]. **cryptographic** [ÁMRP04, kWpLwW01, WLW04]. **crystal** [FFK02, GOH06, GLP03, KDW00, OGG07, RIB01, SSH02, SHX02, TDY02, PCCD09]. **crystalline** [JGJ09, LS02, PCCD09]. **crystallization** [LS09]. **crystallographic** [CPV⁺08]. **crystallography** [BH01, SHV⁺01]. **crystals** [All05, BVY05, CAAM08, GLHW01, IN09, KNSY07b, KNSY07a, LPRS02, LPR04, LPC⁺00, PKRK07, PGS02, SSPM05, SYM00, TBR07]. **CTEQ** [Sul05]. **CTM** [WLH00]. **Cuba** [Hah07, Hah05]. **cubic** [GLHW01, XZ12, Zah00, Zah05]. **CUDA** [LSVMW08]. **cumulant** [SH05].

cuprous [HSSA01]. **current** [Ano01a, LCV06, MMMM00, iOY01]. **currents** [BEM⁺02, NY07, PHKL02, RdAGV⁺00]. **curriculum** [Gou00]. **curve** [LSL07, ZSdD⁺08]. **curved** [Den08, Vul03]. **curves** [APV00, BLCR05, BFL04, CGG⁺08, CGG⁺09, PJK00, Tam03]. **curvilinear** [Cha04, ID09]. **cusped** [WGS00]. **cuspid** [KCH00]. **custom** [Far01]. **customizable** [PKB⁺01]. **cut** [CLFH07]. **cutoff** [MHK⁺05]. **cutoff-effects** [MHK⁺05]. **CWENO** [KKF⁺04]. **CWO** [SWS⁺12]. **cyanoadamantane** [FFK02]. **Cyberinfrastructure** [Cho07, dSdSW08]. **cycles** [DDFI09, TRAdO09]. **cyclotron** [PPP01, WBDB04]. **cylinder** [CAW00, Liu07a]. **cylindrical** [AP05, CS07, GVMW04, HFN03, LLV⁺01, SGF04, SGL09, SBBM04, XON08, You09].

D [Aok01, AH02, BD00, Bal07, BJ05b, BFH05, CCFG05, Cha04, CSW02, CBBJ02, DGV08, EL04, FMD07, FDM07, FM00, FV02, GFP00, GRR01, GBM02, GS01a, GBA01, GMBC08, HG02a, HBRS05, JW02, KKSRO4, KMZZ05, KSSH04, MZB⁺04, MLF07, MNV00, NHS07, NSYZ02, PCV06, QR01, QTL06, RLRR06, SJCM04, SMV01, SG04b, SBB03, SG01, SBCZ08, SQ03, TAM04, TPYV03, WLH00, WCG04, WHL⁺07, XON08, YRR07]. **D-model** [NSYZ02]. **D0C** [NN09]. **DAFT** [BTS06]. **Dai** [Hon04]. **damage** [VKN07]. **damping** [TGB01]. **DAMQT** [LRR⁺09]. **DAQ** [Ano01a]. **Darcy** [KT05, KNT08]. **Dark** [BBPS09, BBPS07a, BBPS07b, RRCV09]. **DARWIN** [AOT01, TAM04]. **Data** [FSBG00, PK01, Sak07, Sfi01, SEC04a, AA07, AKG02, AAM⁺01, Ano01n, Ano09t, BBB⁺01, BB07, BFMH⁺01, BH08, BGLLW01, CPV⁺08, CGG00, DDMM06, Dem03, Dem06, Dom05, EFG⁺00, GDC01, GMO03, Han00, Hin00, KL07a, LFT01, LKKK07, LZ00, MYC09, NW02a, OK09, OCK⁺00, OPB⁺09, PS09, PB09b, SOAW08, SSZ01, SS09b, SC04, TKS⁺01, TK09, WLH00, WMK09, Wen01, YWLC04, ZSdD⁺08]. **data-compression** [OCK⁺00]. **database** [ABNÅ05, AAM⁺01, BCC⁺06, BB03, TLDM03]. **databases** [ME00, BHNW01]. **DataScan** [RSD01]. **dataset** [HCK01]. **datasets** [SKNV04]. **date** [Fri09]. **Davidson** [DM07]. **Dawson** [Ano04b, Ano04-56, Ano04-57, Ano04-45]. **DC** [CHL⁺07, RMVQ07]. **DDS** [WH05]. **DDT** [IN02]. **dealised** [ICT01]. **dealing** [SKF05]. **Debris** [WH05]. **Debye** [BFL04, LDZ⁺08]. **Decay** [Bar04, BEM⁺02, CRS05, EH06, JPS⁺01a, Kol03, QxW07, Ste05, TJLR06]. **decaying** [BAB04, Str01b]. **decays** [BS04a, BS06b, GPW04, MDM05, Por03]. **decision** [VBFM05]. **decomposed** [ZA01]. **Decomposition** [BP08a, ST09, BH07, Cha07, DTHL09, GRR01, IW01, IW02, KBG00, LM02a, LZS06, Lüs04, OMF03, SWC⁺03, Uhl03, YWLC04]. **deconfinement** [KMP09]. **deconfining** [KSS02]. **Deconvolution** [KSTL03, WCBN05]. **decoupling** [CKS00]. **Dedicated** [CMR01, Tri05, Yos01]. **deep** [RS00]. **deep-inelastic** [RS00]. **defect** [PKRK07]. **defective** [PLL07]. **defects** [GLHW01, HHCC05, LN01, LMS05]. **defined** [Gal00]. **deformable** [Nii00]. **deformation** [RvOvV02, vdSvdG08]. **deformations** [MAM04, MAM07].

deformed [Cle05, DD00, DO04, DO05, DSC⁺09, RGD⁺01, SDNR05, TBR07].
degeneracy [HG02a]. **degree** [UNK12]. **Delaunay** [SMH04]. **DELPHI** [BCCM03]. **demagnetizing** [BD00]. **demand** [ZS08]. **Demonstration** [ABD⁺05]. **demonstrator** [ACC⁺01]. **dense** [Bun01a, CGG00, PM02, WRC⁺04]. **densities** [BSTC05, BH08, CS02, GKI02, GKI04, Mam08, Moh08, dlRBPL09]. **Density** [BJ02, JK02, Kur02, MLF07, SG05, Alv09, Bae04, BBPS02, BBPS07a, BBPS07b, BSK⁺03, CSW02, HHM⁺09, HLC08, HS01a, ICO03, IBA00, KTT09, KH09, LV08, Lik01, LCV06, LRR⁺09, MC03, MBR01, OLS⁺01, OSK⁺02, RLH⁺09, RGD⁺01, SKNV01, SKNV05, SSZ01, SMK01, TAM04, VKM⁺05, WN01, dlGGS⁺05]. **Density-driven** [MLF07]. **Density-functional** [Kur02, SG05, HHM⁺09]. **density-functional-theory** [SKNV01]. **density-matrix** [WN01]. **Departure** [ACC09]. **dependence** [BS00b, MSS⁺07, NFS02, PP02, SZ00c]. **dependencies** [PZ01]. **dependency** [ZS08]. **Dependent** [RPY07, BC05, BSK⁺03, CRS05, DKMF03, DKC08, GNZ⁺09, HTM⁺08, HGVCM⁺02, KFB01, MS06, MLG⁺01, Mei01, MA09, NM01b, Nur04, PSV00, ŠZ00a, TKN⁺08, dlGGS⁺05]. **deployed** [KFJ⁺09]. **deployment** [Sak07]. **deposition** [Sch08, SLWH02]. **Derivation** [FAiTD01, AHS09, OMF03, SH05, WYL09]. **derivative** [Jam00, WGDZ04, WC05, ZWD05]. **derivatives** [AS03, CGVA09b, GSS06, GZDA01, KCH00, MA04, MKK05, MA08]. **derive** [EL06]. **derives** [Rob00]. **described** [DVL⁺04]. **Description** [BJS00, BBC⁺01a, PKB⁺01]. **description-driven** [BBC⁺01a]. **Design** [ABC⁺01, BBC⁺01a, MTL01, MP01a, Rap06, AAKL07, CFJ09, DG08, Far01, PCA⁺07, QRH00, RMMP02, SKNV01]. **designed** [KKM02, LTG09, Str05, WSCW09]. **DESOLV** [VBC07]. **Detailed** [Wro08, CD09a]. **details** [BDF⁺08, PJSK08]. **Detection** [HHCC05, ABC⁺03, BBPS09, CSS⁺03, CM06, KV08, LANM⁺01, TWY09]. **detector** [AAM⁺01, BCC⁺06, Maz00]. **detectors** [ABC⁺03, NY08, PBI07, Sch08]. **determinant** [FA00]. **Determination** [YT01a, Fat02, IF03, Pet04, VEG08]. **determine** [BCV03, PRBD09]. **Determining** [ADDdM07, BKKS09, QTMH07, BVY05, BDW06, HOT07, PSH06]. **Deterministic** [DDM05, DVG05, LZC⁺08]. **deterministic/stochastic** [DVG05]. **detonations** [NBPG08]. **deuterium** [Bat03]. **developing** [MRF⁺05]. **Development** [HFN03, HCH⁺06, ICO01, KKHL07, WHL⁺07, YSM09, PFPB⁺09, Teh01, Dan09a]. **developments** [HCIK00]. **device** [GCD06]. **devices** [AAG⁺04, CBKM01, DC05a, KKKC07, LYL07, LLCS01, TDY02]. **devoted** [BP08a]. **DFT** [HTA08, PLL07]. **DGLAP** [CCG08, Tol02]. **dHybrid** [GBFS07]. **diabatic** [MN01]. **diagonal** [vH06, vH07]. **diagonalization** [CA09, FM00, GFS03, LB09]. **diagram** [NT05, TF00, TL09]. **diagrams** [Bar03, BT04, BCKT09, CCGR09, DKC08, FK00, Hah01, HL08a, KKK06, Ots01, TF04, VMMB02]. **DIANA** [TF00, TF04]. **diatom** [HSGBK08].

diatomic [MDT03, PJK00]. **Diatomics** [NW02a]. **Diatomics-in-molecules** [NW02a]. **diblock** [ZM00]. **Dielectric** [FER⁺07b, Bre07, Den08, HKPL07, KM08a, LBM05, LLT⁺02, NJ01, Zha01]. **difference** [BGH04, BTI01, CCL08, DR09, EMJH03b, GVMW04, GKI02, GKI04, GMAHV⁺09, HL05, Inu07, MZB⁺04, NN06, RLV⁺08, Rob01, SHX02, Wan09b, KSC⁺00]. **difference-difference** [GKI02, GKI04]. **difference-differential** [Wan09b]. **differences** [GLL⁺02]. **differentiating** [EMJH03a, dlHV08]. **Different** [ABSM04, BSvdDW02, Ska05, CFJ09, GMBC08, HM00, Kim03, LVLS01, PSK01b, RDSS01b, SPV07]. **Differential** [Hoo04, IHAR09, IHAR09, KA09, MGYP08, BGH04, BT01, BCV03, Che07, Don04, FMG00, GSGT03, HSGBK08, KS07, KD09, Ram05, Ras09, Ras17, VBC07, Wan09b, WR01, qXbL04, Yan02, Yan03d, YZW02]. **differential-difference** [BGH04]. **differentiation** [AA07, SPF00, Str05, VHLP09, vH06, vH07]. **Diffpack** [Hoo04]. **Diffraction** [BRdAHK04a, BSO⁺04, BK05b, FBB01, Gro01, GSSN00, MTZ00, MP06, PCC01, Wan01, BRdAHK04b, dAK01]. **diffractive** [CF02]. **DIFFREALWAVE** [HSGBK08]. **Diffuse** [dA08, GLMADB⁺02]. **diffusion** [AGV00, BS00b, BNSY02, CZC00, CL03, CJK09, EELZS04, GS01a, IOM00, KP01, MZB⁺04, PC08, Ram05, RMK05, RPD⁺05, SMSE03, TE05, VPNW02, Wei02a, WLR⁺08]. **diffusion-convection** [EELZS04]. **diffusion-driven** [KP01]. **Diffusive** [BDHP08]. **Digital** [iSAK⁺08, AAA⁺00, RTVZ08]. **DIII** [KSSH04]. **DIII-D** [KSSH04]. **dilepton** [Abe01, Abe01]. **dilute** [CP00, SVS01, TS06]. **diluted** [BCBJ02]. **dilution** [CBBJ02]. **dim** [GBD03, GCP⁺02, GDC01]. **dimension** [BGJ⁺07, GBR⁺09, NJ00, SBD⁺06, TdRGD09, Vor02]. **Dimensional** [Ker02, AC07, Bac00, BTK⁺02, Bre05, CSC⁺07, CSC⁺08, CLL⁺07, CD01b, CTG01, CHM⁺09, CNDC09, Eli05, ES09, FHR⁺05, GR02, GOG00, Har02, HBMJ05, HJZL07, Huj05, HW09, IH01, IIK⁺08, ID09, Inu07, Jad00, JKKT00, KT05, KNT08, KNTG03, KKF⁺04, KNU00, KM01c, KK01, KA04, Krö05, LHC01, LHC02, LSL07, LCS07, LVLS02, Li03, LHS⁺06, LKPH08, MYC09, MMTH04, MSD08, MOS00, MOS01, NYH04, Ots01, PKRK07, PD08, Pis00, QG04, RtVR09, Ram05, RM05b, RLV⁺08, Rob00, RG04, iSHS⁺08, Sch06a, SBJ05, SSB⁺09, SW09, SD07, STK⁺00, TRGR08, TMTF00, Tak03, TYN02, TZZ06, TNI⁺07, Tat07, TY01, TYSH05, TDD04, TL09, UTO09, Var08, Ver00, Vos06, WGDZ04, WC05, WHJ06, WS09a, WTW04, XZ12, Yam00, Zak06, vHK00]. **Dimensionality** [Pis00, Bac02]. **dimensions** [BR01, BCBJ02, BSDMH05, BKKS09, Cre00, EELZS04, GBC⁺04, JK08, LEG02, MK08, NGE⁺04, PM00, SMH04, SGF03, SM02]. **dimer** [CCBL02, EVL00, Kim07, KK01]. **diminishing** [NRR01]. **diodes** [HTL⁺03]. **dipolar** [TZZ06, TK08]. **Dipole** [DN05, SWY01]. **Dirac** [BBR03, BFLW07, Cun09, FZ09, GL02, GZDA01, Lüs04, MW01, MK08, MKK05, Moh07, NM01a, Pog05, SJP05, TD03, Vul03]. **Direct** [CC04, BBPS09, Ber03b, BDB⁺08, FD03, Hon04, Nur04, PGS02, TG00, Wal03]. **direction** [LTT09, XZ12]. **directions** [CL08a, MSK⁺02]. **discharge**

[KPL07, KHIL07, KA04]. **discharges**
 [BLS09b, CS07, HKLY07, LHS⁺09, RMVQ07, TC07, WJW09].
disconnected [Krö05]. **discontinuous** [Gal00, LS05]. **Discoveries**
 [TPBE04, ZSSA00]. **discovery** [DDEM00]. **Discrete**
 [BW01, TÁT09, Wan09b, BDK⁺06, CNFR01, DW01, Har00, LbotMC01,
 Luo00, MSD08, Str00, TSI02, WHO02, YZW02]. **Discrete-expansions**
 [BW01]. **Discretization**
 [EG09, MM04, TKSR00, DPSG06, KT05, KNT08, WS09a, Zit09].
discretized [CHS09, DB08, HZGZ09, OS00b]. **diseases** [Dom05]. **disk**
 [WH05]. **disks** [SSLN02]. **dislocation** [Cle05]. **dislocations** [MS05b].
disorder [GW01a, Voi02, Voi03]. **Disordered**
 [KM05, CM02a, NH09, RLU01, Ver00]. **Dispersion**
 [QCML03, CL02, Sus01, Tam03]. **dispersions** [KNY05, YNK05]. **dispersive**
 [LBPS09, NN06, Ram10, Ram12, YB02a, Yan03a, Yan03b]. **displaced**
 [GME06]. **displacement** [Alf09, BA09, GLHW01]. **display**
 [BCD⁺01, LYL07]. **disruptions** [EH03]. **dissemination** [KL07a].
dissipation [GIME02, KG07]. **Dissipative**
 [ZM00, AKS02, DC03, HNS01, NT05, NKV03, SVA03]. **dissociation**
 [HGVC⁺02]. **dissociative** [PNH00]. **Distributed** [FSBG00, GC01,
 AKG02, BLM01, BV00, BTS06, CDH⁺06, Di 01, Han00, HKP02, KAB⁺00,
 LbotMC01, LNV⁺09, LM00, TG00, TYS⁺00, WMK09, Xia01, dSdSW08].
Distribution
 [MK02, BDBV12, FGA04, FPB08, HTM⁺08, HBMJ05, JH09b, KHIL07, KS84,
 KS08, LWY01, LC01b, OPB⁺09, Ram10, VS06, Yan09, Yos07, YW01, vHK00].
distributions [BBOY08, Har02, JJK05, LHC01, LHC02, LV08, RF08, Sul05,
 Vog05, Wei02b, WHO02]. **divergence** [JH09a, MOS00, MOS01]. **diverse**
 [ZPB09]. **divertor** [KY07]. **divide** [SKNV05]. **divide-and-conquer**
 [SKNV05]. **DL** [Sea01]. **DL_LEED** [Wan01]. **DL_POLY**
 [BTS06, DHBE05, KSYE00]. **DNA**
 [CDF05, DLZ08, Dom05, Ger07, KK05, LOY07, Zim02]. **DNA-chip**
 [Dom05]. **DNS** [HDG07]. **documents** [GM00]. **Does** [Nur04]. **Domain**
 [BP08a, BH07, CMT00, CMT01, Den08, DTHL09, Hei01, HL05, IW01, IW02,
 KBG00, LM02a, Lüs04, NFS02, NN06, Uhl03]. **domains**
 [BLM01, GS01a, NFS01a, NFS02]. **doped** [JK01, MB05b, NW02a]. **Doppler**
 [WCBN05]. **dot**
 [BNSY02, CLFH07, EMJH03a, EMJH03b, LLV⁺01, LCV06, WHJ06]. **dots**
 [EMJH03b, LVLS01, MWA01, MP05, RCG05, TNCG00, Vos06, WV05, Wan00].
Double [HG02a, BMML05, BK05b, CWW07, FMN01, KFI⁺01, LY05,
 RF05b, RF06b, VYK02]. **double-photon** [KFI⁺01]. **double-stranded**
 [VYK02]. **doubly** [ACIZ07, Yan02]. **doubly-periodic** [Yan02].
doubly-polarized [ACIZ07]. **down** [CM03, TJLR06]. **DP** [LJ09b].
DPEMC [BK05b]. **Dr** [AA01b]. **drag** [KMB02, MY00a]. **DRAGON**
 [Tom09]. **drawing** [BT04, BCKT09, Cap05, HL08a]. **drift**
 [BGS⁺04, HFN03, Jen00, Lew04, PCK00]. **drift-fluid-electron** [PCK00].

drift-kinetic [BGS⁺04]. **drift-wave** [Jen00]. **drilling** [ZZH09]. **driven** [BBC⁺01a, FV02, KP01, KLD04, KA05, KS04a, LLPL08, MLF07, MK05, PP02, PFPB⁺09, RJFB08, RK05, Dan09a]. **Driver** [MP03]. **drop** [BBD00]. **droplet** [CMS04, KPS⁺01, vdSvdG08]. **drops** [MDH04]. **drunken** [CN00]. **dry** [OML09]. **DSMC** [CSC⁺04, WTW04]. **DST** [ADD⁺03]. **DTORH3** [GS01b]. **dual** [BD08, GPT08, KCR07, Liu07a, TC07]. **dual-frequency** [KCR07, TC07]. **dual-kinetic-balance** [BD08]. **dual-phase-lag** [Liu07a]. **due** [BBBR04, EG09, Voi02, Voi03]. **Duffing** [AA08, DWZS05, Wan06a, Wan06c, WW06, Yao09]. **Duhem** [FFF01]. **duplexes** [BSB02]. **during** [Dan05b, EH03, KDSB04, NG02, ZS08]. **DVR3D** [TKB⁺04]. **dwarf** [RRRHD08]. **dxhdf5** [SC04]. **Dynamic** [CM02b, DKC08, DGAG06, DHS00, TBL02, BSDMH05, BKB02b, DVG05, GDAG05a, GDAG05b, LNV⁺09, MKB02, Nur04, PCA⁺07, QCL05, SMH04, Sch05, SWC⁺03, SHH⁺04]. **dynamic-theta** [Sch05]. **Dynamical** [BDF⁺08, Dan05a, DC03, LKKK07, NFS01a, NM01b, ADDdM07, BDT00, BBJ⁺08, BFB⁺09, BAB04, BFI⁺00, Cun09, CKLS09, DS06, Dan07, FGF03, HK02, HOI04, LFT03, MSD00, Rob00]. **Dynamics** [BDHP08, KRTZ02, KMP09, NFS02, Par04, PKRK07, RvOvV02, TYS⁺00, ZM00, ASS⁺02, BSB02, BBB⁺04, BTS05, BBB⁺09b, BTK⁺02, Bro07, BK05c, CW02, CCK08, CDF05, CCFG05, CLFH07, CFJ09, CCD07, CTI07, CKV04, CR00, CW00, CC00, CA07, DELG05, DC03, DD01, DHB⁺04, DHBE05, FG04, FSK04, FS01b, FS02, GF02c, Gol00, GLW03, GW01b, HDGM07, HOT07, HL00b, HGVC⁺02, HM06a, HKK02a, ID09, IW01, IW02, IN09, ISH01, JAT03, KBBW02, KEL02, KCC⁺00, Kar02, KM01a, KFJ⁺09, KSYE00, KKS04, KA05, KBC⁺09, Kon01, KBG00, KS04a, KM05, LM02a, Lei02, LR07, LZS06, LZS08, LMM⁺08, LSVMW08, LM02b, MCBR03, MFF⁺05, Mel05, Mor01, MSH01, NT05, NH09, NKV03, iNKNV08, OSK⁺02, OK06a, OK06b, OD07, OCK⁺00, OMF03, OMY05, ÖDÇ02, PLPS08, PL05]. **dynamics** [PLS09, PZW⁺00, PP02, PS09, QRH00, QP05, Rap02a, Rap06, Rap08, Ref00, RFK08, RRCV09, RJCH00, Ryc05, SNS01, SHZ01, SKNV05, SGL09, SLBG09, SEE⁺03, SS02b, TT06, TNI⁺07, Tod01, Tsa02, Val05, VKPB09, VKN07, itVPG08, WHCL07, WRMG05, WHL05, ZE00, dO02]. **dynamics-whither** [Rap02a]. **dynamics/electronic** [OLS⁺01]. **dynamos** [RJFB08]. **Dynasol** [PZW⁺00]. **Dyson** [AHS09, Maa06].

EARLINET [OPB⁺09]. **early** [LAF01]. **earth** [KL01, Swi04]. **easy** [Ano09s, CD09b, Hah09, NR01, Esq04]. **ECAL** [Org01]. **economic** [SAG⁺02]. **economics** [Sor02]. **ECPSSR** [Cip07, Cip08, Cip09, Hor09]. **ed** [Hoo04]. **Eddy** [TIM07, TIM08, DMR02, DVG05]. **EDF** [FPB08]. **edge** [ATIO06, CFJ09, PSK01a, PSK01b, SBM⁺04, SGF04, UXD⁺09]. **edge-lit** [CFJ09]. **edges** [Ple02]. **Editorial** [Pub07, Ano05-40, Ano05-41, Ano05-42, Ano05-43, Ano05-44, Ano05-45, Ano06e, Ano06f, Ano06g, Ano06h, Ano06i, Ano06j, Ano06k, Ano06l, Ano06m, Ano06n, Ano06o, Ano06p, Ano06q, Ano06r, Ano06s, Ano06t, Ano06u,

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, CCK08, 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, LÁT04]. **elasto** [SM06b]. **elasto-plastic** [SM06b]. **Electric** [NY07, FSK04, KMR+09, NT04, SGF04, WTH+04]. **Electrical**

[CTI07]. **electrically** [Ram12]. **electro** [Pis00]. **electro-magnetic** [Pis00]. **electrochemical** [HL00a]. **electrochemistry** [SN07]. **electrodynamics** [Har00, KNU00]. **electrokinetic** [PCF05]. **Electromagnetic** [CAW00, FS08, PCK00, DEW00, DW01, GFP00, HL05, JBBER01, Jen00, JTS+06, KV07, LKPH08, PP09, PD08, PSP+03, Poi08, Poi09, Ram10, SLMS06, UOM01, UOTM03, UTO09, VAH04, Ver04, WPL02, WRC+04]. **electromagnetics** [FKMB09]. **Electron** [BRdAHK04a, BRdAHK04b, LLV+01, MMMM00, NKSL05, RdAGV+00, dAK01, AC07, ABSM04, Alv09, BF04, BPP01, BM04, Car06, CKV04, DC05a, EÅU05, EKW09, FPB08, Frü03, GPT08, GG03, Gut06, HPC05, KKKC07, KHIL07, KA04, Kon01, LV08, LVLS01, LVLS02, LRR+09, Mam08, MCBR03, MWA01, Moh08, Nik03, dIRBPL09, PCK00, PPP01, RMLB01, RCG05, SKH02a, SBM09b, SMV01, SJHY07, SNBB02, TAM04, Ton07, Wan01, WD04, WRN01, WM00, Yak01, ZPB09, Zha00, Zha01]. **electron-atom** [GG03, SNBB02]. **electron-capture** [Car06]. **electron-cyclotron** [PPP01]. **electron-ion** [BF04, HPC05, MCBR03, SNBB02]. **electron-molecule** [WM00]. **electron-positron** [BPP01]. **electron-transfer** [DC05a]. **electronegative** [CS07]. **Electronic** [FW01, HP06, LTT09, LLLZ01, MWA01, SBM02, SN07, TGB01, Zha01, AJT+07, BTI01, BB00, BMG01, CPV+08, CTSZ07, GHP01, GBD03, HC00, HTM01, KFJ+09, KLM00, LZ04, MSB09, PKSF01, QASF+05, RG05, RB08, SKNV01, SMH+01, THM01, TNCG00, Vos06, WKP+01, YG09]. **electronic-density-functional** [OLS+01]. **electronic-structure** [KLM00, MSB09, PKSF01, RB08]. **electrons** [EÅ01, EH03, Hor09, MK05, RLI07, SJP05, SMSE03, Sri01]. **electrophoresis** [KKM02, KK04]. **electrophoresis-computer** [KK04]. **electrorheological** [MS05a, SWY01, YW00]. **electrostatic** [AH02, BGS+04, CSC+07, CSC+08, DTHL09, MB04, WJW09, WHL+07]. **electroweak** [ABB+09, HL08b, KP00]. **element** [BDK+06, BLS09b, CN01, EFS+08, GPT08, PKSF01, PDA06, TÁT09, Ton07, Whi00, XSC09]. **element-dual** [GPT08]. **element/molecular** [OLS+01]. **elementary** [Fod05, Str01a]. **elements** [AC05a, AC05b, CN01, CGG+08, CGG+09, ÇHM00, GF01, GFF01, GME06, HL08b, JBBER01, KTL05, LCHJ09, LS01, OS03, PCE+08, PAT+09, Sar00, UTKF05, VS06, You09]. **elevation** [RTVZ08]. **Eley** [LJ01]. **Eliminating** [LC08a, Man02]. **elimination** [WR01]. **ellipsoidal** [LB00, WV05]. **elliptic** [AEB02, PKST03, Yan02, Yan03b, Yan03c]. **Elman** [TWY09]. **ELMFIRE** [SOAW08]. **elongational** [MDT03]. **elsepa** [SJP05]. **Embedded** [SKNV05, ASVA00, Far01, KDW00, Vég04]. **Embedding** [Ing01]. **Emden** [SPS09]. **Emeraldine** [CCFG05]. **emergence** [KOS+09]. **emerging** [Lüt00, REAB09]. **Emery** [DKC08]. **EMILIA** [Car06]. **Emission** [RdAGV+00, HCH+06, KFI+01, LC08b, RLV+08, SJHY07, Yos03, Yos07]. **emitted** [CP00, HD04]. **emitter** [LC08b]. **emitters** [Car06]. **emitting** [HTL+03]. **empirical** [SSZ01]. **employing** [KKF+04, RMK05]. **Emulator**

[DHMD00]. **Emulsion** [vdSvdG08, UVLRRC09]. **EMX** [AEB02]. **enantiomeric** [GLL⁺02]. **encounters** [RRRHD08]. **encryption** [LMC⁺03]. **endpoint** [LWT08]. **energetics** [OBG09]. **energies** [BCG03, CWSH08, EKW09, JWW00a, JPS⁺01a, KPD06, LK07, Sea02a, SVMT00]. **Energy** [BBC⁺01a, BRdAHK04a, DH01, FGV01, New07, TS08, Tol02, ATP01, BBB⁺09a, Bes02, BFL04, BKM02, BBB⁺09b, CCBL02, CC07, CCL08, Che05, CGA⁺07, CGVA08, CGVA09a, Cra01, CCRA05, DVL⁺02, DVL⁺04, EÅ01, EVL00, FK00, Frü03, GGG01, GK05, GLL⁺02, GPW04, GSSN00, GMO03, HP06, HG02b, HGH⁺05, IK00, IKO00, KHIL07, KW03, LPC⁺00, LVLS01, LLV⁺01, LAF01, MR06, MNY00a, MSHP02, MSHP20, MM01, Nob04, OD08, Sak07, Sch08, SEF⁺01, SMH⁺01, Sol01, SR01b, SKRK04, SFR05, TAP01, TZZ06, TYSH05, VS06, Wan01, WZH06, WLX09, XSC09, dMBC⁺06, BRdAHK04b, dAK01]. **Engine** [ON08, Vég04]. **engineering** [HKK⁺01]. **Engineers** [Mal00, Bre01]. **Engui** [Hon04]. **Enhanced** [PM02, EHHH06, RMWH01, TGD07, TL08a, WSB04]. **Enhancements** [SRR⁺00]. **Enns** [Koc02]. **ensemble** [Ber02, GCK02, HM06a, Huk02, JBS08, NSMO02, Nak08, OK06b, Zim05]. **ensembles** [IW02, OO05, WV04]. **Entangled** [KSEG05, Ryc05]. **entanglement** [RF06a]. **entanglements** [Krö05]. **enumerated** [SH06]. **Enumeration** [Jen01, BM06, SBJ05]. **envelope** [HS07]. **envelope-kinetic** [HS07]. **environment** [BCH05, CSZ⁺07, GKP⁺06, KPD06, KL07a, KW07, PDL04, iSAK⁺08, TJD09, WR01, ZC09]. **environments** [PKB⁺01, ZPB09]. **enzyme** [HJM02]. **epitaxial** [AFP02, BSvdDW02, Dan05b, NSYZ02]. **epsilon** [ÇHM00]. **Epstein** [Ram10, Yan09]. **equal** [PR06, Zak00a]. **Equation** [KD09, AA08, ATIO06, AKZ00, ASVA00, AKS01, AKS02, Bat03, BFH05, BV00, Cai09, CSCK08, CPS00, CRS09, DWZS05, DR09, DM09, DC07, DGSL09, DSL09, DKV00, Dys02, EELZS04, Fij99, Fij00, FS01a, FZ09, GNZ⁺09, HCH⁺06, IH09, Inu07, Ixa02, Ixa07b, KMS09, KA09, KEM⁺01, KBV09, Kos05, LRI⁺06, LIR⁺06, LOCJ05, LB00, Li03, LL08, Luo00, Lüs04, MZB⁺04, MK08, MA09, NT04, NJ01, Nur04, PC08, PAD07, PSK01a, PSK01b, PSV00, Ram05, Riz02, RLV⁺08, ST02, SŽ00a, SG06, SR05, SW09, SGF03, Sim00, SW00a, SVA03, Sim09, SZ00c, SM02, SFSL09, Sug01, TPYV03, TQZM08, TS06, TD03, TKSR00, UNK12, UK02a, UYK⁺04, Van05a, Vul03, WGDZ04, Wan05a, WC05, Wan06a, Wan06c, WS09a, WT01, WV05, WW06, XSC09, XZ12, Yan03d, Yao09, YB02b, Zak00a]. **equation** [Zak00b, Zak01, Zak06, ZY09, dIHV08]. **Equations** [Hoo04, IH09, IHAR09, AP04, ACK05, AHS09, AMP⁺00, AK03, AK07, BGH04, BD05, BDP00, BT01, BDH⁺05, BCV03, CC04, CLR08, CHS09, Che07, CJK09, CGG⁺08, CGG⁺09, CTG01, DKMF03, Den08, DD00, DO04, DO05, DSC⁺09, EST00, EG09, FD03, FRdS09, Fat02, FMG00, FMMQ08, GT01, GKI02, GKI04, GSGT03, Hon04, HZGZ09, HHWH07, HHL06, IOM00, JK08, JC08b, KS07, Kas00, KKS04, LVV04, LVV06, bLpL02, LL04, LY05, LJ09b, pLbL03, yMS01, Maa06, MM04, MOS00, MOS01, NKV03, OGWH03, PS08, PKST03, PNH00, PCV06, Ras09, RE09, Ras17, RMK05, RB00, SH05,

She03, Sho04, Sho07, SPS09, SDNR05, Str00, TKP06, Tol02, UK02b, VBC07, Wan09b, qXbL04, Yan02, YB02a, Yan03a, Yan03b, Yan03c, Yan03d, YZW02].

Equations-Numerical [Hoo04]. **equilibria** [CHM⁺09, KZS⁺00, MSK⁺05, SVMT00, ZSK⁺04]. **equilibrium** [BDBV12, BL05, CD04, Col07, DGV08, Elm09, HYY07, JBA05, TCF00, ZSSA00].

equipped [Hor09]. **Equivalence** [CTR00, Ram10]. **equivalent** [EÅ01].

Eratosthenes [AA01a]. **ERCS08** [Hor09]. **Ergodicity** [BKB02a]. **ERI** [REAB08, REAB09]. **erosion** [CMD00, WSB04]. **Erratum** [AAB⁺07, CSC⁺08, CGG⁺09, CGVA09a, FNR⁺07, Fij00, GDAG05a, Ida03a, JKW06, KM01b, KS08, MOS01, Nat10, Poi09, SM06a, TA00a, Tho04a, Tho04b, TND05, TIM08, WA07, Wu10]. **Error** [HDGM07, KL06, KTT02, Sch04, EG09, JC08a, MG09a, MG09b, SK08, vdEFL⁺02]. **errors** [AW04, Inu07, WA07]. **Escape** [Man04]. **ESPResSo** [LAMH06]. **essential** [AFK⁺07]. **essentially** [KG07]. **Establishment** [BB09b]. **estimates** [GKM⁺00]. **estimating** [GBR⁺09, JC08a]. **Estimation** [FGA04, BH07, CNFR01, Cra01, KMH02, KTT02, LFT03, Lik01, SSZ01, TGD06].

EtabFDC [QWWZ09]. **etch** [NY06]. **etched** [NY08]. **etchers** [HKPL07].

etching [MSY07, RLRR06]. **ETSF_IO** [CPV⁺08]. **Euler** [CTG01].

Eulerian [FS03, PSK05, SGF04, SSB04]. **evaluating** [GFF01, Mei01, PCE⁺08]. **Evaluation** [FKMB09, Nob04, SM01, SG00b, ST09, WD04, BBR03, BK01, Bru04, CGM01, Dun05, GR01, GR02, GS01b, GZDA01, HS03, KS05, KNTG03, KSHP02, KCH00, Mam08, MNH01, MKK05, MN07, Moh08, MC09, OS03, Pis00, PR06, Sav01, Sch06b, SSP08b, SMH⁺01, Sul05, VW05, WCBN05, dMBC⁺06].

evaluations [Sal02]. **evanescent** [DEW01]. **evaporation** [DTD⁺02, WSB04]. **even** [HHW00]. **Event** [Ano07-31, BFMH⁺01, KRW03, KFI⁺01, ACC⁺01, BCD⁺01, BBB⁺09a, CDEW04, CB05, DDM05, DH01, JWW00b, JPS⁺01a, Jad03, JS07, LbotMC01, LMP⁺09, MP06, QWWZ09, RRCV09, SVP09, SEF⁺01, SS02a, TS08, TSA⁺03, TKK⁺06, ABF⁺01].

event-based [DDM05]. **events** [ACIZ07, BDG⁺08, Nak07]. **Evidence** [BMML05, LCPC04]. **Evolution** [CS02, Cle05, KHIL07, SR09, AG05, BFI⁺00, CCG08, CTSZ07, FS01a, HHL06, JS06, JPS⁺09, KZS⁺00, bLpL02, LL04, pLbL03, MSY07, MA06, PRBD09, SOYN01, TQ03, TGD06, Vog05, Wei02b, ZSK⁺04]. **Evolutionary** [GOH06, vHLP08, AOT01, BSO⁺04, CNFR01, Iwa01]. **evolving** [Bow02].

Ewald [Har02, LHC02, BTS06, FMD07, LHC01, OD07]. **Exact** [AC07, BM06, EELZS04, Esi01, GME06, LR07, QASF⁺05, RM05b, SBJ05, CA09, CAF⁺03, Dy09, HB05, LL04, pLbL03, LL08, MC03, Mil06, Mil07, Poi08, Poi09, Sch06a, SGL09, TYN02, Yan03d]. **Exact-exchange** [QASF⁺05]. **exactly** [HNS01, TNY00]. **EXAFS** [TK09]. **example** [Teh01, Vég04]. **exchange** [FMN01, Gut06, PLS09, QASF⁺05]. **excitation** [BCP04, DDFI09, TND04, TND05]. **excitations** [OS03, YG09]. **excited** [BCH05, CWW06b, LHMB00, MHGV09, MCBR03, NW02a, RDFF02, TA00a, TA00b]. **excited-state** [BCH05]. **exciton** [KN07b]. **Excitons** [vdHBP⁺02].

excluded [BDH⁺05]. **exclusive** [MP06]. **execution** [BLM01, REAB08, T6t06]. **exercise** [ZS07, ZS08]. **exhibiting** [KLTH04].
ExHuME [MP06]. **exited** [BAB04]. **EXOTIC** [TA00a, TA00b]. **expanded** [Cip09]. **Expanding** [HHM⁺09, HM08, Fel08, FT08, HM06b, KTG04a].
expansion [ASF⁺05, CRUV00, FSB09, KTT02, NFS01b, Pit05, San00, VK09b, WP06, Wei02c, Yan03c, Yan03d]. **expansions** [BW01, HJ02, RS09, Sea02b]. **Experiment** [HLW05, HKL⁺07a, HKL⁺07b, ADD⁺03, ABF⁺01, Ano03h, EFBP04, HJM02, KB02, TLDM03].
experimental [AA07, Ano01n, CHL⁺07, ZSD⁺08]. **experiments** [DDM07, FGV01, GGQ01, Gre04, HLW05, HKL⁺07b, SG04a, SEC04a].
expert [KS07]. **Explicit** [GFP00, TQ03, AKS01, De 02, FSW08, GWK09, JH09a, LPC⁺04, LCE⁺09, MVJ09, ON08, Van05c, itVPG08]. **exploitation** [ADE⁺02]. **Exploiting** [MG09a, SPM00, TYS⁺00, VHLP09, YN05a].
Exploring [MSS⁺07, PL05, LLY07, SHH⁺04, SIE04]. **Exponential** [VAMVR08, MG09a, MG09b, Ram12, VC08, dIHV08]. **Exponentially** [Fra07b, IVD03, ASVA00, CFMR08, KMS09, Sim00, SW00a, SVA01, SVA03, Van06, VIV01]. **exponentially-fitted** [ASVA00, KMS09, Sim00, SW00a, SVA01, SVA03, VIV01]. **exponentials** [Bun01b]. **exponents** [Gal00, JJK05, LCPC04, SS07a]. **express** [YNZ⁺09].
Expression [TS08]. **expressions** [GME06, Pog05]. **Extended** [Huk02, Wu10, Yan02, YWYF09, Cha04, LVV06, LF02b, Nap09, NFH06, Ots01, Str01a, TNI⁺07, Yan03c, FIT03]. **Extending** [BHL02, FdO09].
extendible [LAMH06, RSD01, CD01b]. **Extension** [ATIO06, SR01b, TV07, Dan07, DDdMS02, GWK09, KBC⁺09, Mah09b, IW02].
extensive [EFG⁺00]. **external** [BGH⁺09a, DKC08, FHR⁺05, FV02, JTS⁺06, KKK06, KSS02, KDSB04, SSLN02, TV07, TL09]. **externally** [LLPL08]. **extra** [Cre00]. **Extraction** [HG02b, GBA01, OGG07, vHLP08].
extrapolation [dDSFY04]. **extrema** [Nov02]. **Extreme** [RRCV09, DM07, YM03]. **extremely** [LOCJ05]. **Extremes** [Sor02].

F [Sha04, RDSS01a, HD04]. **F-like** [HD04]. **f1** [CG04]. **fabrics** [RGR⁺04].
FaCE [TND05, WN01, TND04]. **facility** [VSB00]. **factor** [DHS00, Esi01, Kon02, SKH02a, VC08]. **factorisation** [MA00].
factorization [AKZ00, PDA06]. **factorized** [PSV00]. **factors** [FMG00, GME06, RS03, WD04]. **Faddeev** [TND05, LEG02, TND04]. **falling** [Aok01]. **Families** [MKS07, De 02]. **family** [CJC09]. **Fan** [Hon04]. **far** [CP00]. **far-field** [CP00]. **Farm** [BFL⁺01, BNFM⁺09]. **FARM_2DRMP** [BNFM⁺09]. **farms** [ABC⁺01]. **farside** [Cha07]. **FarSight** [SEC04b]. **Fast** [ABRS12, BDH⁺02, BH01, Bun01b, Bun01a, DSC06, GKK⁺08, Ixa07b, MHS05, MS08b, RM05a, RTVZ08, Sul05, VKM⁺05, Wei02b, WR01, YNS⁺09, AC07, AH02, BB04b, Bru00a, CCGR09, CBMS08, CD04, EKW09, ES09, HC00, HJZ09, JK08, Kos05, Lad09, LC08a, LZC⁺08, MP04, MG08b, MOC03, MM05, OMC00, OD08, OCK⁺03, Oli01, PMA⁺04, SOYN01, vHK00].
fast-switching [OD08]. **Faster** [DS01, HTNFBS06a, HTNFBS06b, Mas05].

FASTERD [SVP09]. **faults** [YKK07]. **FDCSUSYDecay** [QxW07]. **FDTD** [Ram10, MGN07, NSKS01, Ram10, Ram12, RB00, WP00, Yan09]. **Fe** [KEL02, KNSY07b, YKK07]. **feature** [MSY07]. **features** [HKL⁺07b, KSS02, OS00b]. **Fedosov** [Tos08]. **feed** [TJLR06]. **feed-down** [TJLR06]. **FEM** [BP08a, RB00, WHL⁺07]. **femtosecond** [Kur02]. **fence** [LC08a]. **FERM3D** [Ton07]. **Fermi** [BBR03, BFL⁺01, GZDA01, MKK05, Moh07, NM01a]. **fermion** [ABM03, ASF⁺05, AAC⁺06, BCCM03, BBC⁺01b, BPP01, CAF⁺03, DDRW03, GGL03, JWW00b, KJ04, SW00b, Sol01, TA00a, TA00b]. **fermions** [BDF⁺08, CMK⁺03, CKLS09, DC05b, HK02, Jan05, Kol03, KALC08, MHK⁺05, OGKL02, PS08]. **ferromagnet** [LTA05, RLU01, dSL02]. **few** [DM07, Sav01, Var08]. **few-body** [Sav01, Var08]. **FeynArts** [Hah01, HS02]. **FeynEdit** [HL08a]. **FeynHiggs** [HHH⁺09, HHW00]. **Feynman** [Bek06, BT04, BCKT09, CD09b, FK00, GKR07, Hah01, HL08a, HvHHM09, KKK06, KNU00, RDF02, Sem09, ST09, TF00, TF04]. **FeynRules** [CD09b]. **FFL** [SLL07]. **FFT** [BVY05, CL08a, FDM07, GBD03, MK08, iSHS⁺08, Tak03, Yam00]. **FFT-split-operator** [MK08]. **fgh** [Sea02b]. **fiber** [Ger07, MTL01, MCC05, MBC⁺09, NSKS01]. **Fickian** [CL03, Ram05]. **fidelity** [Ker02]. **fiducial** [LVH07]. **field** [ACK05, AJ08, Bae03, Bae04, BD00, BS00a, BBB⁺04, BK05a, BCD⁺07, BMSG01, BKB02a, CP00, CSC⁺07, CSC⁺08, CGG⁺08, CGG⁺09, DCJ07, DKC08, DW01, DKV00, EKW09, FV02, GSM⁺03, Goe02, GRS06, HGH⁺05, HCH⁺06, IH01, JTS⁺06, JG02, KSS02, KF05b, KDSB04, KK04, KMR⁺09, LC08b, LWY01, MR05, MSS⁺09, MFVJ07, NSKS01, NT04, NW02b, NM01b, iNKNV08, PPC07, Pee07, PD08, Pit05, RLRR06, RMMP02, Sem09, SGF04, TL09, VCCS05, WGY01, WTH⁺04, WRC⁺04, Wil09, XD08, YSM09, YW01, Zha01, vHLP08]. **field-theory** [Pee07]. **fields** [ASF⁺05, CM02b, Cre00, EL06, Fel08, FT08, FSK04, GLHW01, KDW00, Mel01, PM00, SG06, SYN01, Ver04, Yak01, ZKASS05]. **FIESTA** [ST09]. **FiEstAS** [Asc08]. **Figure** [Ano09r, Cap05]. **filaments** [LLPL08]. **Files** [Ano07-31, BBB⁺00, KN07a]. **filled** [LPRS02, LPR04]. **film** [LTG09, LTT09, SLWH02]. **FILMPAR** [LTG09]. **films** [Dan05b, Mül02]. **Filter** [LB09, CNFR01, GKK⁺08, SF06]. **filtered** [GBM02]. **Filtering** [LB09, AAA⁺00, SA09, ZZH09]. **filters** [CSS⁺03, KM08a]. **final** [BBB⁺09a, JWW00b, SVP09]. **finance** [Sor02]. **financial** [KKH07]. **find** [HS01b, LJY07, Ort00, Yan03d]. **Finder** [CJT06, GJT03]. **Finding** [JS08, DM07, FD03, GKI02, GKI04, Hon04, Jam00, KKS04, bLpL02, LL04, pLbL03, RDF02]. **fine** [AJ08, FMD07]. **Finite** [HL05, MZB⁺04, NN06, PKSF01, RLV⁺08, Zha00, BLS09b, BTI01, BJ08, CN01, Cha04, CCL08, DGAG06, DB08, EMJH03a, EMJH03b, EFS⁺08, Flo01, GVMW04, GMAHV⁺09, GDAG05a, GDAG05b, HBW05, Inu07, JBBR01, KMD⁺02, KMP09, LLC01, LMC⁺03, MTJ02, MOS00, MOS01, OLS⁺01, RP02, Rob01, SLMS06, SHX02, SS02b, Ton07, VBFD01, WHJ06, Whi00, XSC09, KSC⁺00].

Finite-difference [HL05, NN06, BTI01, Inu07, SHX02, KSC⁺00].
Finite-element [PKSF01, OLS⁺01].
finite-element/molecular-dynamics/electronic-density-functional [OLS⁺01]. **finite-level** [DB08]. **finite-size** [BJ08, DGAG06, HBW05, RP02].
finite-size-particle [Vbfd01]. **Finite-temperature** [Zha00, KMD⁺02].
finite-volume [Cha04, MOS00, MOS01, SLMS06]. **finitely** [SFSH01].
fireball [Tom09, KFJ⁺09]. **First**
 [Ano09a, CM02a, Har01, KKKC07, LN01, RG05, Tsa02, AS03, AJT⁺07, ABC⁺01, ADDdM07, CR05, CBBJ02, CTI07, CGVA09b, EYJ07, FG04, GBTM07, IVD03, JPS⁺01b, LDZ⁺08, LA09, MCBR03, MSK⁺05, Mor01, NKSL05, SBCZ08, WKP⁺01, WC00, ZWD05, dSdSW08, vdHBP⁺02, SZ04].
first-order [CBBJ02, JPS⁺01b, LA09, ZWD05]. **First-principle** [Tsa02].
First-principles [Ano09a, KKKC07, AJT⁺07, CR05, CTI07, EYJ07, FG04, GBTM07, LDZ⁺08, MCBR03, Mor01, WKP⁺01]. **Fischer** [Bur01, Hib01].
fission [DTD⁺02, VT00a]. **fit** [ATP01, GKK⁺08, TAP01]. **fitted**
 [ASVA00, CFMR08, FSW08, Fra07b, IVD03, KMS09, MKS07, PAS09, Sim00, SW00a, SVA01, SVA03, Sim08, SWFL00, Van06, VIV01, WC05, Wan06a, Wan06c, Wan06b]. **Fitting** [CCBL02, MYC09, Bla00, Bru00a, FGMT02, KJ07, MKJ⁺05, Nap09, NP01b, Sim09, SF00, VAMVR08, vHLP08]. **Fittino** [BDW06]. **five** [IIK⁺08]. **five-dimensional** [IIK⁺08]. **fixing** [CM03, OS04].
FLAC [CGG00]. **FLAPW** [CMF00, FSB09]. **Flash** [LL07]. **flat**
 [BK05a, SLL07]. **flat-plane** [BK05a]. **flattening** [MTLC01]. **Flavor**
 [DGS08, CS02, CAF⁺03, Lüs05, Mah09b, Mah09a]. **flavors** [KL01]. **Flexible**
 [Tót06, BCC⁺06, HSS⁺08, IW01, IW02, SWL09, SJF07]. **floating** [HDG07].
floating-point [HDG07]. **floppy** [Bac00, OBG09]. **Floquet** [KS04a]. **Flow**
 [PPC07, PK01, BBD00, CTG01, DVG05, DM09, GMAN⁺07, JKKT00, JOS07, Ker02, KLD04, LTG09, MP01a, Mar08, MDT03, MC08, MLF07, NHS07, NYH04, PPM04, RSMK⁺00, SG04b, Wal03, dNKM07]. **flows**
 [COE⁺05, FH00, Huj05, IKO00, KITK00, KTG04a, ML06, RMVQ07, SR01a, Sus01, TFM09, TIM07, TIM08, TdFK00, TIM08]. **fluctuating**
 [DSL09, ICO01]. **fluctuation** [ICO03]. **Fluctuations**
 [LMS05, SSH02, HS01a, PB09b, TJLR06]. **Fluid** [ASC⁺05, KF05a, CLL⁺07, CMD00, DGV08, DUX⁺09, FFF01, GIME02, GFP00, HKLY07, HHWH07, IKO00, ICO01, JOS07, KT07, LCS07, LCM00, LC00, LS05, MY00a, MY00b, MDT03, MC08, NYH04, PCK00, SLL07, SBCZ08, STK⁺00, TMTF00, TK08, VKPB09, WGS00, WS02, Xia01, dNKM07]. **fluid-solid** [FFF01]. **fluidic**
 [BMS⁺09]. **fluids** [DPB01, DGR09, HAA07, HCO01, Ida00, Ida03a, Ida03b, LNC⁺03, SWY01, Tod01, WRMG05, YW00]. **fluorescence** [BG01].
fluorescent [SLL07]. **flux** [PCC⁺09, Pet04]. **FLY**
 [ADBF03, BAD01, BCAD06, BADC07]. **FMM** [HJZ09]. **FOAM**
 [JS07, Jad00, Jad03]. **Fock** [BD05, DO04, DO05, DSC⁺09, MW01, SDNR05, DD00, Dol01, GLL⁺02, GG00, NM03, PS08, PRBD09, REAB08, SS09a].
focusing [HW09, SBBM04]. **foil** [BDV04]. **Fokker**
 [ABSM04, CBKM01, KA04, yMS01]. **folders** [BDH⁺02]. **folding**

[Elb05, Oka01, SSA07, WL08]. **following** [AAG⁺04]. **Force** [TKN⁺08, AL08a, ACC09, BK05c, CFJ09, EL06, Goe02, LZS06, MFVJ07, iNKNV08, RMMP02, SWC⁺03, SWY01, VCCS05, YW00].

force-decomposition [SWC⁺03]. **force-field** [MFVJ07, iNKNV08]. **forced** [SOYN01]. **forces** [HG02b, JKKT00, LZS08, LEG02, MK09]. **forcing** [AA08, Yao09]. **Forest** [OMF02]. **Foreword** [Ano01z, ME00, Sco09]. **form** [CRUV00, CHS09, Esi01, Lei02, Mah08a, RS03, She08, TNY00, FK00, TV07, MU06]. **form-factor** [Esi01]. **formal** [Oli01]. **formalism** [EE02, MM08, PTL04]. **format** [Ano07-31]. **Formation** [SCO00, BNSY02, FS01b, GB05, HOI04, KK00, MLPT08, PSK01a, PSK01b, QTL06, RRCV09, Rou01, SBD⁺05, SHJ07, Voi02, Voi03, Yos09]. **FormCalc** [HS02, Hah08]. **FormCalc-generated** [Hah08]. **formed** [BSB02]. **forming** [GGL⁺02, LMM⁺08, MDH04]. **forms** [BKKS09, CCFG05]. **formula** [Inu07, MA04, MA08, Pom06, TI01, ZWD05]. **formulae** [Sim08]. **formulas** [CBMS08, NP00]. **formulation** [AK03, GPT08, IBA00, Leh00, YW01]. **formulations** [Ram12]. **forsterite** [LDZ⁺08]. **FORTRAN** [BRdAHK04a, Hor09, KSYE00, Str05, BDH⁺05, DG08, DGS08, Dem03, Dem06, DKM07, EH07, KLM00, MMEH08, MDM05, MA09, PS08, QRH00, Rib02, SS09a, Sar00, SPF00, TS06, vH06, vH07]. **FORTRAN-90** [BRdAHK04a]. **Forward** [SGM⁺09, CRS09]. **Forward-backward** [SGM⁺09]. **foundation** [VSBD00]. **Four** [BCCM03, KA04, YN05a, ABM03, Bac00, BR01, BPP01, DWZS05, DDRW03, Gol00, KM00a, KM01b, MGG05, NN09, SW00b, TSA⁺03, VT00c]. **four-atom** [Bac00, Gol00, MGG05]. **four-body** [VT00c]. **Four-fermion** [BCCM03, BPP01, DDRW03, SW00b]. **Four-index** [YN05a]. **four-momentum** [KM00a, KM01b]. **four-point** [NN09]. **four-step** [DWZS05]. **Fourier** [SVMT00, CN00, DSC06, Eli05, HC00, JP09, LC08a, MM05, NJ01, RM05a, SA09, Trö08, Wan06a, Wan06c, YZW02]. **Fourier-based** [MM05]. **Fourth** [ACK05, LJ09a, MKS07, UNK12, Van05a, Van06]. **fourth-degree** [UNK12]. **Fourth-order** [ACK05, Van05a, Van06]. **FP** [PWH⁺00, TKN⁺08]. **FP-** [TKN⁺08]. **FP-LAPW** [PWH⁺00]. **FPGA** [BCC⁺08, EFS⁺08]. **FPGA-based** [BCC⁺08]. **FPLAPW** [ARV02, PAD07]. **FPU** [PKB⁺01]. **FracMAP** [CGC⁺09]. **fractal** [CGC⁺09, GBR⁺09, TdRGD09, Vor02]. **fractal-like** [CGC⁺09]. **fraction** [TB85, Tho04b]. **fractional** [Dev05, DJ08, Sho04, Sho07]. **fractions** [Nap09, RMLB01]. **fracture** [EM08, KNSY07b]. **fragmented** [Tom09]. **Framework** [DN04, AGV00, Ano09t, BBB⁺01, Che05, DKMF03, Dec07, DUX⁺09, ES09, FFPW01, GPW⁺09, ISSC01, OPB⁺09, Tót06]. **frameworks** [Wel01]. **Franck** [GME06]. **Fredholm** [Str00]. **Free** [IH01, KSSH04, BBB⁺09b, CHM⁺09, HLC08, Ida00, Ida02, Ida03a, Ida03b, IKO00, OD08, SLL07, SJHY07, SR01b, SVMT00, SFR05, Wei04, ZBB⁺06]. **Free-boundary** [KSSH04]. **free-electron** [SJHY07]. **free-energy** [BBB⁺09b, IKO00]. **freezing** [Wil02]. **Frenkel** [KM05]. **frequencies**

[FSW08, Kim03, Wan06b]. **frequency**
[CIC⁺03, Hei01, KCR07, LKKK07, Ram10, TC07, Wan06c]. **FRET** [SG04a].
FRETsg [SG04a]. **Friction**
[CW02, KM01a, HOT07, HTM⁺08, Müs02b, RR05, SS02b]. **Frictional**
[KMB02, DHBE05, HKK⁺01]. **FRODO** [AC05b]. **Froese** [Bur01, Hib01].
Front [Laf03]. **frozen** [NM03]. **FRS** [Kar01]. **frustrated** [Wes07]. **Full**
[ABER00, GRS06, ADS06, BDLT02, Dür09, FS01a, FHW⁺01, GSSN00,
IHK⁺08, Liu07b, LS05, Maz00, PAD07, PCV06, UTO09]. **full-** [IHK⁺08].
full-band [PAD07]. **Full-CI** [ABER00]. **full-electromagnetic** [UTO09].
full-potential [ADS06]. **full-wave** [PCV06]. **fullerenes** [LB04]. **Fully**
[Bac00, BSB02, ABM03, MA09, Sus01, Xia01]. **function**
[Ada04, BFLW07, BDP00, CYAS05, CGM01, CG04, FKAM05, GT01, HG02b,
ISSB01, JK02, Kar02, KHIL07, KBC⁺09, MS08b, MNH01, New02, PGS02,
RdAGV⁺00, SK08, SA09, Str00, TGD06, TL06c, WDB04, Yan02, Yan03b,
Yan03c, YW01, vdEFL⁺02]. **functional**
[BJ02, BSK⁺03, CMK⁺03, GH00, HHM⁺09, HLC08, IBA00, KTT09, KH09,
Kur02, LTG09, LCV06, Lor08, MBR01, OLS⁺01, OSK⁺02, SG05, SKNV01,
SKNV05, SMK01, VKM⁺05, dIGGS⁺05]. **functional/Monte** [BJ02].
functionalisation [VEG08]. **functionality** [TV07]. **functionals** [HKP02].
Functions
[GFS03, AS03, AA00, AA01b, AJ08, BP08a, BDBV12, BC05, BS04b, BW01,
CD01a, CGA⁺07, CGVA08, CGVA09a, DS04, FGMT02, FH04, FBB01,
FPB08, FA00, GSS06, GLHW01, GZDA01, GDAG05a, GDAG05b, GME06,
HTM01, Hua09, HM06b, HM08, Ixa01, JG02, KS05, Kim03, KSHP02, Kir06,
KF03, KF05b, KTL05, KVR⁺00, LdVJ06, LPC⁺00, LKC06, LS01, Mic07,
MS08b, MU06, MN07, MM09, MSHP02, MYL⁺08, MSHP20, NM03, Nob04,
PFG06a, PDM⁺08, PAT⁺09, RB08, Roy09, SKH02a, Sar00, Sau00, Sch06b,
Sea02a, Sea02b, Sea02c, SMH⁺01, SJF07, SFR05, TB85, TB87, Tho01, Tho04a,
Tho04b, TL06b, VC08, WP00, WD04, Wei02c, YM03, Zah00, Zah01, ZBB⁺06].
functions-calculation [GDAG05a, GDAG05b]. **fusion** [ASC⁺05, BSW⁺07,
CBKM01, KMR⁺09, OSK04, SEC04a, WML⁺05, WSCW09]. **Future**
[MSK⁺02, Ano01a, Ano02a, McK07]. **FV** [WPL02]. **FV-TD** [WPL02].
g [ISH01]. **G.R.** [Leh00]. **g-permute** [RLH⁺09]. **Ga** [JK01, LK07, Tsa02].
GaAs [LVLS01, JK01, KFB01]. **GaAs/Al** [JK01]. **GaGaRes** [BvG02].
galaxy [RRCV09]. **galaxy-sized** [RRCV09]. **Galerkin**
[FZ09, LS05, TKSR00]. **Galilean** [CK08, IKO00]. **game** [EFH⁺07, VK09a].
GAMESS [BB00, FSBG00, KPD06, dMBC⁺06]. **GAMESS-US** [KPD06].
gamma [Car06]. **GaN** [QASF⁺05, Tsa02]. **Ganga** [Ano09s]. **gap**
[BZ00, LLV⁺01]. **gas** [BLS09b, BC00, CP00, CMD00, DHS00, GCP⁺02,
GF02c, Gut06, HCO00, HS01a, ID09, ICO03, KA04, KH06, KW03, LJ01,
LNC⁺03, MK02, NW02a, Nii00, PPC07, PCYC02, SCO00, SMV01, TNI⁺07,
Tsa02, TCO00, YB02b, Yok09, Zha01]. **gas-phase** [Tsa02]. **gaseous** [LR07].
gases [DSC06, IK00, Lon07, TS06, Wes07, WRN01, ZSSA00]. **gastro**

[WG01]. **gastro-intestinal** [WG01]. **gate** [LLT⁺02, LY05]. **gated** [KACB07].
gates [MSS00, RF05a]. **GAUDI** [BBB⁺01]. **Gauge**
 [Dür05, Hei01, ALV05, ALN⁺01, BB09a, CM03, Fod05, OS04, PM00, Tri05].
gauges [CMM09, DD01]. **Gauss**
 [AA01a, CFMR08, CP00, Del08, DSH02, DSH03, IP01, MS08b, Pom06].
GaussDal [ABNÁ05]. **Gaussian**
 [WLR⁺08, CP00, FGMT02, FV02, Frü03, FKAM05, HKP02, MBR01, OS00b,
 SKH02a, SF06, VKM⁺05, WD04, Wen01, You09]. **Gaussian-core** [WLR⁺08].
Gaussian-mixture [Frü03]. **Gaussian-sum** [SF06]. **Gaussian-type**
 [FGMT02]. **Gay** [IW01]. **GBL** [DHS00, HS01a]. **GDF** [TGD06, TGD07].
Geant [Wel01]. **GEANT4** [AGM⁺00, AAB⁺08, HFN03, YFM09]. **gel**
 [KKM02, SBD⁺05]. **gels** [RvOvV02]. **GeM** [Che07]. **GenAnneal** [TL06a].
Gene [TS08]. **General** [CL08b, HLW05, HKL⁺07b, ASS⁺02, Cha00, FS00,
 FWP01, Gra02, HvDJvdM01, Jad00, Jad03, JJK05, KSPT04, MZB⁺04,
 OK06a, SFR05, VF03a, VF03b, WTH⁺04, ZF00, HKL⁺07a, Pue06, Wen01].
general-purpose [ASS⁺02, FS00, FWP01, Jad03]. **Generalized**
 [Ber02, GT01, GZDA01, LWY01, NSMO02, Alf05, BBR03, BMC05, CFJ09,
 CAW00, DJ08, GHP01, GMAHV⁺09, HP02, KS05, KGM00, KHÖ01, LdVJ06,
 LL08, Mah08a, NM01a, NRR01, RMWH01, Sch06a, CCD07].
Generalized-ensemble [NSMO02]. **generate**
 [HHL06, KTT09, MVS05, SW00b]. **generated** [BB04b, Hah08, SI01].
Generating [Hah01, ON08, BRD04, BBJW05, BM04, CCRA05, Dev05,
 HTM01, MCLDP01, SJF07, vHK00]. **Generation**
 [CLFH07, RF05b, RF06b, AC05a, Bel05, BKM05, Boy09, CFJ09, Flo01,
 FIJ⁺03, HSJ02, HvHHM09, IL07, JP09, Mas05, NP00, NYH04, Sem09,
 SGF04, SEF⁺01, SMK01, TIN⁺09, TNCG00, WHO02]. **Generator**
 [KRW03, Abe01, ABM03, ATB⁺01, ACIZ07, AKS01, AKS02, BBB⁺09a,
 BS04a, Bel01, BPP01, BvG02, CPW09, CDEW04, CWW06a, CWW06b,
 CWW07, GK05, Jad00, JWW00b, JPS⁺01a, Jad03, JS07, Jun02, KFI⁺01,
 Lad09, LMP⁺09, MP06, Pap01, Pro00, QWWZ09, RS00, Sch06a, SVP09,
 SS02a, TA00a, TA00b, Tom09, TSA⁺03, TKK⁺06, CBMS08, KTBF06].
Generators [DGLB08, DH00, WH06, LBP⁺09]. **Generic** [PJSK08,
 AAG⁺04, Alv09, BBPS07a, BBPS07b, BBPS09, Di 01, KEM⁺01, SDLW07].
Genetic [CB05, Bru00a, NP01b, Sug01, TL08a, WMNS09].
genetic-algorithm [WMNS09]. **genetic-algorithm/simplex/spatial-grid**
 [WMNS09]. **Genetically** [TL06b, TL06a]. **GenMin** [TL08a]. **Gennes**
 [MM04]. **genomes** [CHL05]. **GENXICC** [CWW07]. **geodesic**
 [FMMQ08, Rib02]. **geomagnetic** [HGH⁺05]. **geometration** [KKM02].
Geometric [LWY01]. **Geometrical** [JS05, LANM⁺01]. **geometries**
 [AH02, BM02b, Cha04, KEM⁺01, LC07, MC08, SPV07]. **Geometry**
 [Sri01, BMML05, DC03, KSPT04, KS04b, Poi08, Poi09, Pop03, RJFB08,
 SGF04, SZ04, WTH⁺04]. **geophysics** [MS05b]. **George** [Koc02].
GFACTOR2001 [Kon02]. **GFCUBHEX** [GLHW01]. **Giant** [ALN⁺01].
GIAO [Dup01]. **GIAO-SCF** [Dup01]. **GIBBS** [BFL04, FFF01]. **GiNaC**

[BD02]. **Ginocchio** [MS08b]. **Ginzburg** [BDHP08, CSC08]. **GIOD** [BHNW01]. **GITA** [CRUV00]. **given** [BBJW05, KHÖ01]. **GKW** [PCC+09]. **Glass** [GAR05, GGL+02, BKB02a, BKB02b, CPT+01, HG02a, RLU00, SH06, VKN07, YD07]. **Glass-forming** [GGL+02]. **glasses** [Kat02, You02, You05]. **Glassy** [dO09, RR05]. **GLauber** [BRB09, AIOST03, BG06]. **GLISSANDO** [BRB09]. **Global** [ATP01, MTJ02, NV09, Roy09, TAP01, WTH+04, AA07, BJ03, BGS+04, BP08b, DR09, IIK+08, JBBR01, JBA+07, KPF03, LPC+00, OS04, Swi04, TBZ12, TLP04, TL06b, TL08a, VPP+12]. **global-scale** [Swi04]. **globally** [Maa06, BHNW01]. **GLoBES** [HLW05, HKL+07a, HKL+07b]. **GLUE** [RTS01]. **gluon** [KKK06]. **gluons** [KKK06, KMP09]. **Gmat** [CNMC09]. **GMIC** [OGWH03]. **Go** [Gra02]. **Going** [Jan05]. **Golay** [MMMM00]. **gold** [SPV07]. **golem95** [BGH+09a]. **good** [LCPC04]. **Gordan** [BRD04, CRW09, Dra01, KW08, RF06b]. **Gordon** [KA09]. **Gourmet** [Koc02]. **GPUs** [YNS+09]. **GR** [TSA+03, TKK+06]. **GRACE** [BBB+00, FIJ+03]. **GRACE/SUSY** [FIJ+03]. **gradient** [GHP01, KLD04]. **gradients** [BSO+04, Dol01]. **GRADSPH** [VKPB09]. **Graduate** [Ano04a]. **grain** [Kar02, LMS+02]. **grained** [ASS+02, BLS09a, EL06, FMD07, FAiTD01, LS09, MS09]. **grains** [BM02b]. **grammatical** [TGD06]. **Grant** [Bae04, BNO+01, JBS08, Zim05]. **Grant** [Kar01, Bur01]. **granular** [ACC09, BDK+06, DHBE05, HM00, KBBW02, Rap02b]. **granularity** [LCB+00]. **GRAPE** [Abe01, Mak01]. **GRAPE-Dilepton** [Abe01]. **graph** [PR06, Zim02]. **graphical** [AGS07, BT04, BCKT09, KJ07]. **Graphics** [LSVMW08, MCLDP01, CDD08, Hor09, MBKJ09]. **graphs** [BBJW05, HLB06, JPS+01b]. **grasp2K** [JHFG07]. **GRASP92** [FGR06, PFG06b]. **Graßmann** [AF05]. **grating** [MTLC01]. **gravitating** [CD05, VKPB09]. **Gravitational** [HBRS05, Leh00, ABC+03, MMTH04]. **grc** [KFI+01]. **Green** [GBM02, GLHW01, KBC+09, KF03, KF05b, MNH01, RdAGV+00, WP00, YW01]. **Grid** [HKM+07, KL07a, Shi09, AAKL07, BLCR05, BS08, CSZ+07, Eli08, GHPS04, IF03, Jad00, KTT09, MMTH04, MSHP02, MSHP20, OK09, Sak07, iSAK+08, Sch06b, SEC04a, SFF+04, WMNS09, vdHKM08, Ano09s, KKHL07, Shi07]. **grid-adaptive** [vdHKM08]. **grid-based** [CSZ+07]. **grid-size** [BS08]. **Gridless** [VBFD01]. **grids** [CSC+04, ID09, KSC+00, KNT08, ISX05, SKNV01, SKNV05, SMH+01, SD07, TCY+08, WPL02]. **Griffiths** [DKC08]. **GROMOS96** [BMvG00]. **Gross** [CPS00, DC07, MA09, TQZM08, TS06]. **Ground** [BH03, DC07, YN05b, BM06, CWSH08, DCNDC09, FV02, HG02a, LR07, WL08]. **group** [Alv09, CC04, FLO06, MI05, RF04, WN01, YT01a, Zit09]. **Grouping** [OGWH03]. **groups** [Goc04, RF05b, RF06b]. **Growth** [BM01, AFP02, BSvdDW02, Dan05b, MABK02, NSYZ02, RIB01]. **Growth06_v2** [Dan09b]. **GSA** [RTS01]. **GSM** [BP08a]. **GTC** [EL04]. **GTNEUT** [Man04]. **GTOBAS** [FGMT02]. **gTybalt** [Wei04]. **guarantees** [TYN02]. **Guide** [BCP04, Koc02, Bar04]. **guides** [CLFH07]. **Gustavson**

[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, WZH06, 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, Mai06, 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, DoI01, 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, BBR04, JJHvO03, Liu07a, RE09, SGK09]. **heating** [BBB⁺04, BBR04, 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**

[The05, Ano01n, CD04, Col07, Huj05, Ort00, SKNV05, TC06]. **Higgs** [DKM07, DKV00, EH06, EH07, HHH⁺09, HHW00, LPC⁺04, LCE⁺09]. **Higgs-boson** [HHH⁺09]. **Higgs-field** [DKV00]. **High** [BBC⁺01a, BTK⁺02, CD05, COE⁺05, DH01, FGV01, GK05, HJ02, KAB⁺00, KK04, New07, SS00, Sim08, SEF⁺01, TS08, Tol02, Bae04, BVY05, BBB⁺09a, BADC07, BMS⁺09, BCG03, Che05, CBM⁺05, Cra01, DWZS05, DR09, FS01a, GPW04, GCD06, GMO03, GHG⁺05, ISSC01, JH09a, JC01, Ker02, KKF⁺04, LRI⁺06, LVV09, LLT⁺02, LKKK07, LDZ⁺08, Mam08, MMTH04, MC08, NV09, PPM04, PPC07, PD08, PDM⁺08, Ros04, Sak07, SBM09b, iSAK⁺08, SLMS06, SVA01, SKRK04, TAM04, WW05, vHK00]. **high-**[LLT⁺02]. **high-accurate** [WW05]. **High-dimensional** [BTK⁺02, vHK00]. **high-efficient** [WW05]. **high-energy** [Che05, Cra01, GMO03, SKRK04]. **High-energy-physics** [SEF⁺01]. **high-fidelity** [Ker02]. **high-frequency** [LKKK07]. **high-intensity** [PD08]. **High-order** [SS00, Sim08, DR09, JH09a]. **high-performance** [PPM04]. **high-pressure** [LDZ⁺08, PDM⁺08]. **high-resolution** [BVY05, KKF⁺04, Ros04]. **high-speed** [GCD06]. **High-temperature** [HJ02, LDZ⁺08]. **Higher** [SR09, LVV04, MA04, MA08, NGE⁺04, TYSH05]. **higher-energy** [TYSH05]. **higher-order** [MA04, MA08]. **highest** [De 02]. **Highly** [CWSH08, Zak06, AT09, FBB01, KSYE00, Sau00, SZ00a]. **Highly-accurate** [CWSH08]. **Hilbert** [KSTL03, KSHP02]. **Hilbert-transform** [KSTL03]. **Hilliard** [KEM⁺01]. **Hirvensalo** [Vio04]. **histogram** [HF06, SR01b, VMMB02, YD06, dO02, dSL02]. **histogram-reweighting** [VMMB02]. **histogrammed** [BBBD06]. **histograms** [BH08]. **history** [MHS05, Wro08, YFM09]. **HIV** [CRPC08]. **HIV-1** [CRPC08]. **HMC** [Lüs05, MSS⁺07, UJSW06]. **HMTA** [GW01a]. **Hogg** [TSI02]. **Holden** [Laf03]. **hole** [BFI⁺00, HBRS05, RRRHD08]. **holes** [CGCS07, Leh00]. **Holistic** [Rob01]. **hollow** [KHIL07]. **hologram** [PCA⁺07, SI01, TIN⁺09]. **holograms** [JP09]. **Holographic** [iSAK⁺08]. **holography** [SMS⁺00, SHI02]. **HoloTrap** [PCA⁺07]. **homogeneous** [BBJW05, CGG⁺08, CGG⁺09, GBM02, Gut06, GMO03, KW03, Ste05]. **homopolymer** [SWL09]. **homotopy** [SPS09]. **HONEI** [vDGM⁺09]. **Hopf** [AF05]. **HOPPET** [SR09]. **hopping** [Bes02]. **horizon** [Shi09]. **HORN** [SMS⁺00, SHI02]. **HORN-3** [SMS⁺00]. **HORN-4** [SHI02]. **Hoshen** [TG00]. **Hosting** [ZC09, CSZ⁺07]. **hot** [TAM04]. **Houches** [Ano07-31, Ano09u, Hah09]. **HP** [WL08]. **HPL** [Mai06]. **HPLC** [NP01b]. **HRMC** [OPO⁺08]. **Hubbard** [AC07, CA09, FM00, GOG00, KGM00, LR07, Ots01]. **Huberman** [TSI02]. **huge** [TYSH05]. **human** [KACB07, KN07a]. **hurricane** [Mas00]. **Hybrid** [CSC⁺04, CKA⁺09, KSPT04, OLS⁺01, OSK⁺02, OPO⁺08, RD05, SBL⁺04, AKS01, Cun09, GBFS07, KPF03, LKPH08, PCK00, RB00, SW00a, SvAS01, Swi04, TAM04, Tak00, TWY09, WMNS09, WBDB04]. **hybrid-Darwin** [TAM04]. **hybridization** [VPP⁺12]. **hybrids** [KPF03]. **HYDJET** [LMP⁺09]. **hydration** [DELG05]. **hydro** [MNV00]. **hydrocarbons** [EYJ07].

Hydrodynamic [MPS09, LKPH08, LLPL08, MC09, PM01, Xia01, YNK05].
Hydrodynamical [JKKT00, NBPG08]. **hydrodynamics**
 [JJHvO03, MY00b, RtVR09, Ska05, SD07, TE05, VKPB09, LMP⁺09].
hydrogen [Bac02, CGG⁺08, CGG⁺09, HPC05, Jia08, KRTZ02, KF03,
 MOC03, PDM⁺08, SKF05]. **hydrogen-bonded** [Bac02]. **hydrogen-like**
 [CGG⁺08, CGG⁺09, KF03, SKF05]. **hydrogenic** [Dy09, HB05, LS01, Sar00].
hydroxylated [RJCH00]. **Hylleraas** [PAT⁺09]. **Hylleraas-type** [PAT⁺09].
hyper [SNS01]. **hyper-molecular** [SNS01]. **Hyperbolic**
 [Laf03, BGH04, GT01, JH09a, PMG07, SS07a]. **hyperbolic-function**
 [GT01]. **Hyperfine** [GSF06, AJ08]. **hypergeometric**
 [CR08, CGM01, CG04, HM06b, HM08, MS08b, NP00, Wen01]. **hyperplanar**
 [BJ05b]. **hypersonic** [KTG04a]. **hyperspherical**
 [APV00, CGA⁺07, CGVA08, CGVA09a]. **hypervelocity** [VKN07]. **HypExp**
 [HM06b, HM08]. **Hysteretic** [LA09].

I/O [Hah09, OCK⁺00]. **Ian** [Bur01, Kar01]. **IANUS** [BCC⁺08]. **ICP**
 [LCS07]. **ICRF** [IDS⁺04]. **ICRH** [PHKL02]. **Ideal**
 [ATF⁺09, CLR08, SIH⁺01, IK00, Ros04, SHW01, WBC⁺07]. **identification**
 [TdRGD09]. **identity** [EG09, KHÖ01]. **ignition** [VSBD00]. **II**
 [Ida03a, ABV02, BGLLW01, CCFG05, CMT01, CHP04, GKP⁺06, Ida03b,
 IW02, PBI07, PSK01b, RF06a, THM01, Var08, Yan03b]. **II.1.** [ATP01]. **II.2.**
 [TAP01]. **III** [CvdEF⁺05, DD00, GFF01, RF07]. **ill** [RMWH01]. **ill-posed**
 [RMWH01]. **illumination** [OKS04]. **Image**
 [MP05, BR01, DCJ07, ML03, MD00, QTMH07, RSD01, XD08]. **ImageJ**
 [DGR09]. **ImageJ-based** [DGR09]. **images**
 [AAA⁺00, AEErR05, BK05a, GBR⁺09, HF06]. **imaginary** [FH04]. **imaging**
 [BSS09, LZC⁺08]. **immersed** [Den08]. **immersion** [MIM⁺07]. **Immiscible**
 [HCO00, BC00]. **immobilization** [STK⁺00]. **Impact**
 [HDG07, MHK⁺05, MOC03, OMC00, SM06b, VKN07]. **impacts** [KPS⁺01].
impedance [DEW00, Pet04]. **imperfections** [BVY05]. **implantation**
 [KPS⁺01, MIM⁺07]. **implanted** [BSO⁺04]. **Implementation**
 [BP08a, Dol01, GGQ01, KBC⁺09, LC01a, MS08a, WRC⁺04, ASF⁺05, Alv09,
 ARV02, BB00, BTK⁺02, BSK⁺03, BCCW03, BVKW02, CGIA07, DDdMS02,
 Dup01, DHBE05, DM07, EVL00, Eli05, EFS⁺08, GZ07, HS02, KM01c, LR07,
 LEG02, Mai06, MM08, MP01a, OCK⁺03, OD07, Oli01, OBG09, PPM04,
 PKKM02, PCYC02, QRH00, RJFB08, RS03, SS09a, TRGR08, Tak03, TG00,
 WV05, WHL05, Zha08]. **Implementations**
 [VCF⁺04, Xia01, CC04, SK08, Yam00]. **Implementing**
 [Nil07b, PLPS08, Di 01]. **Implicit** [JH09a, ADG08, Cha04, CCD07, DPSSG06,
 GKI04, LBPS09, ML06, SD07, VIV01, WRC⁺04, XZ12]. **Implicit-explicit**
 [JH09a]. **implicitly** [Gal00]. **implosions** [WSCW09]. **Importance**
 [VPNW02, ZWD05, Zim05]. **importing** [SC04]. **improve** [MC09, Pro00].
Improved [CRS05, IDS⁺04, KM01c, RY00, SHW01, YWLC04, Cip07, Cip08,
 Ida00, Ida03a, Ida03b, LCE⁺09, MHK⁺05, Nat09, Nat10, TL08b, UOM01].

Improvement [SLL07, WLH00, BH07, Dür05]. **Improvements** [Col07, dMBC⁺06]. **Improving** [DS04, DGLB08, GL02, PWH⁺00, SSZ01]. **impurity** [MP05, WK02]. **IMT** [MKK05]. **InAs** [LVLS01]. **InAs/GaAs** [LVLS01]. **incidence** [BB07]. **including** [Con04, FFD00, SKH02a, WD04]. **inclusion** [GMBC08]. **incompressible** [Ida00, Ida03a, Ida03b, ZHC00]. **incorporating** [NW02a, SOYN01]. **incorporation** [ON08]. **increase** [SLL01]. **Increasing** [AA01a]. **independent** [ASF⁺05, DC07, KV08, Man02, MN01, SM02, Str05, VEG08, WS09a]. **Index** [Ano00b, Ano00c, Ano00d, Ano00e, Ano00f, Ano00g, Ano00h, Ano00i, Ano00j, Ano00k, Ano00l, Ano00m, Ano00n, Ano00o, Ano00p, Ano00q, Ano00r, Ano00s, Ano00t, Ano00u, Ano00v, Ano00w, Ano00x, Ano00y, Ano01b, Ano01c, Ano01-27, Ano01-28, Ano01-29, Ano01-29, Ano05d, Ano05f, Ano05h, Ano05-49, Ano05-50, Ano05-52, Ano01g, Ano01h, Ano01i, Ano01j, Ano01k, Ano01l, Ano01m, Ano01d, Ano01e, Ano01f, Ano01-31, Ano01-32, Ano01-33, Ano01-34, Ano01-35, Ano01-36, Ano01-37, Ano01-38, Ano02d, Ano02e, Ano02f, Ano02g, Ano02h, Ano02i, Ano02b, Ano02c, Ano02y, Ano02z, Ano02-27, Ano02-28, Ano02-29, Ano02-30, Ano03a, Ano03b, Ano03c, Ano03d, Ano03e, Ano03f, Ano03g, Ano03-36, Ano03-37, Ano03-38, Ano03-39, Ano03-40, Ano03-41, Ano03-42, Ano04d, Ano04e, Ano04f, Ano04g, Ano04h, Ano04i]. **index** [Ano04j, Ano04k, Ano04l, Ano04-48, Ano04-49, Ano04-50, Ano04-51, Ano04-52, Ano04-53, Ano04-54, Ano04-55, Ano05a, Ano05b, Ano05c, Ano05e, Ano05g, Ano05i, Ano05-46, Ano05-47, Ano05-48, Ano05-51, Ano05-53, Ano06a, Ano06-28, DGAG06, GDAG05a, GDAG05b, LVV09, MG08b, YN05a]. **indexing** [BFMH⁺01]. **indices** [Sal02]. **INDO** [SS09a]. **induced** [AP05, Eli08, EM08, LVLS02, MB05a, MLPT08, MSH01, NM01b, NY07, RS00, Wro08, XD08]. **induction** [CMT00, CMT01, LZS08]. **inelastic** [LDBG08, MFVJ07, RS00]. **inertial** [ASC⁺05, WML⁺05, WSCW09]. **inexpensive** [ATB⁺01]. **inference** [Vég04]. **infinite** [GBM02, LIR⁺06]. **Influence** [CBBJ02, TMN01, SHJ07, SGK09]. **Information** [DDEM00, CHL05, GDC01, Han00, ME00, OGG07, Ort00, Tót08]. **Infrared** [NI01]. **infrastructure** [KKHL07]. **inhomogeneities** [BLCR05, NM01b, VS01]. **inhomogeneous** [MM04, Yak01]. **Initial** [BRB09, IHAR09, ASVA00, Kos05, MVS05, PAS09, Rob00, Rob01, SVA01, WW05, Wan05b, Wan06b]. **Initial-State** [BRB09]. **initial-value** [ASVA00, SVA01, WW05, Wan05b]. **initialization** [BDBV12]. **initiated** [Bar00]. **initio** [BTS05, MKB02, Nik03, PCCD09, SHZ01, iTKST01, YKK07, ATP01, CCBL02, HG02b, Hin00, KFJ⁺09, MHGV09, MSH01, NW02a, RPD⁺05, TAP01, TMN01, BGH⁺09b]. **Injection** [PBB⁺04, SJCM04]. **InN** [QASF⁺05]. **Input** [KN07a, FGA04, Wen01]. **INS** [RC04]. **insecticide** [IN02]. **Insight** [YNZ⁺09]. **inspired** [CPS00]. **instabilities** [BZ00, Lüt04]. **Instability** [NHS07, BH05, CDQF07, CT00, DMR01, DMR02, MDH04, MTZ00, Nur04, Sus01]. **instanton** [MK02, RS00]. **instanton-induced** [RS00]. **Instructions** [Ano00z]. **insulator** [KGM00, YH02]. **integer** [HM06b, HM08]. **integer-valued** [HM06b]. **Integrability** [Par04, HSSA01].

integrable [Bru04, CTR00, KW07, OMF03, qX08]. **Integral** [ST09, SVMT00, AA08, Alf05, BMC05, CC08, CL08b, DM09, Dun05, Dup01, EG09, Gut06, Kas00, KM05, MI05, MKK05, Moh07, MG09a, NM01a, Pis00, RFFF02, SR05, SZ00c, Str00, TAKN02, YN05a, Yao09]. **Integrals** [CCGR09, PR06, Sle00, ADDdM07, BD02, Bek06, BBR03, BGH⁺09a, BW08, Cza06, Del08, Dy09, GKR07, HB05, KCH00, KK06, Mam08, MR06, Moh08, NN09, OIKN02, SKH02a, SKF05, UK02a, WD04, ZF00, dDSFY04]. **Integrands** [IP01, Kau03]. **integrate** [NKV03]. **Integrated** [Han00, KMCS01, KPF03, LR06, ZPB09]. **Integrating** [VC08, SG06]. **Integration** [Sau00, SGF03, Asc08, BDP00, FFF01, FBB01, Fra02, Hah05, Hah07, HDGM07, Ida03a, Ida03b, JH09a, Kau03, Kim03, KK06, LIR⁺06, LWLL07, MBR01, Mel05, MDC09, MKS07, Nur04, OMF02, PSK01a, SS00, Sch04, SW00a, SVA01, Sim08, SFR05, THC⁺07, UJSW06, Van05b, Wu10, YWYF09, Zah04, Zah05]. **integrations** [Sea02c, WDB04]. **integrator** [Tak00, Van06]. **integrators** [Fra07b, SS06]. **intense** [BK06a, CP00, FSK04, HW09, KS04a, LCB07, Zha01]. **intensity** [BH01, BD06, CP00, Dan05a, Dan05b, DS06, Dan07, PD08]. **Inter** [BFL⁺01, EMJH03b, GDC01]. **inter-dot** [EMJH03b]. **Inter-Process** [BFL⁺01, GDC01]. **interacting** [DDD⁺01, PS08, Tat07]. **Interaction** [WN01, BK06a, BKM05, FFG02, HYY07, KPD06, KTG04b, KDSB04, LCB07, LS01, yMS01, MCL05, NHS07, RCG05, Sar00, Sav01, TZZ06, TEP00, iTKST01, Vie01, WSB04, WML⁺05, WHL05, YRR07]. **Interaction-round-a-face** [WN01]. **Interactions** [Mah08a, AH02, CF02, HL08b, HJZ09, LZS06, LLPL08, MV04, MMEH08, PHF⁺07, PD08, SSB04, SZ04, SS05, YNK05, Zak00a]. **Interactive** [PCA⁺07, WCGL00, WSCW09, BCD⁺01, CGC⁺09, Gre07, MPK00, PKRK07, vdB08]. **Interconnected** [BHNW01]. **Interface** [FSBG00, ZHC00, BT04, BCKT09, BB03, Den08, Hah08, Hor09, KFJ⁺09, Liu07a, MRF⁺05, RLU01, Tam03, WMK09, dlRL09, MCLDP01]. **interfaces** [Den08, GGG01, Har01, KRW03, RJCH00, YW01]. **interference** [KM08a]. **interferometric** [ABC⁺03]. **interior** [DELG05]. **Interlayer** [BNSY02, LNK01]. **intermediate** [AJ08, BCG03, CRPC08, CM02a, JG02]. **intermolecular** [KPD06]. **internal** [Goc04, HCO01]. **International** [BDL00, BJS00]. **Internet** [Chr00]. **internucleoside** [BSB02]. **Interparticle** [SWY01, YW00]. **Interplay** [Mül02]. **interpolated** [CL08a]. **interpolating** [BS04b]. **interpolation** [BW01, Hin00, HDG07, PSK01b, QTMH07, Str00, UNK12, Val05]. **Interpretation** [HSSA01]. **interpreting** [RC04]. **intersecting** [BR01]. **intersection** [BCH05, PL05]. **interval** [Con04, FKAM05, LIR⁺06]. **intervals** [AS00, Bar02]. **intestinal** [WG01]. **intracranial** [OCS⁺08]. **Intradonor** [JK01]. **Introducing** [HLC08]. **introduction** [SMS08]. **intrusion** [TWY09]. **Invar** [MGPM07, MGYP08]. **invariance** [HP02, HL00c, SAG⁺02]. **invariant** [BB04a, CK08, IKO00, PSK01a]. **invariants** [MGYP08, PSH06]. **inverse** [BV00, CRUV00]. **inversion** [Don02, MHK02]. **investigating** [TQ03].

Investigation [ACC09, BDK⁺06, WCG04, BKB02a, CM02a, HSS⁺08, KM01d, MB05a, MKM02, SG05]. **invocation** [DBE⁺04]. **involving** [AA08, Ida00, Ida03a, Ida03b, LS01, Sar00, Yao09]. **IoN** [KTBF06, Vie01, BF04, Bar00, BSO⁺04, Cha07, CBKM01, HPC05, JGJ09, KLD04, LdG⁺07, LMP⁺09, MCBR03, MOC03, MS05a, MIM⁺07, OMC00, OSK04, OKS04, PMA⁺04, PCK00, QTL06, Rou01, Sch08, SNBB02, WCG04, WRN01, WBDB04, OMC00, MOC03]. **Ion-atom** [Vie01, OMC00, MOC03]. **Ion-atom/** [MOC03]. **ION-ATOM/NEON** [OMC00]. **ion-beam** [OKS04]. **ion-implanted** [BSO⁺04]. **ionic** [GCP⁺02, NW02a, XD08]. **ionisation** [BS03]. **ionization** [Bar00, KB02, Kur02, MOC03, OMC00, RMK05]. **ionized** [Lon07, WK02]. **ionosphere** [KKS04, SKR04]. **ionospheric** [BCD⁺07, Eli08]. **IonRock** [BSO⁺04]. **ions** [CWSH08, GS01a, KF03, SJP05, SHJ07, SKF05, Wro08]. **IPA** [PJK00]. **IR** [SJHY07]. **irradiated** [CP00]. **irradiation** [OSK04, RTVZ08]. **Irreducible** [GRR01, De 02]. **Irregular** [Wen01]. **irreversibility** [KA05]. **Irreversible** [Sta00, LA09]. **ISBN** [Hoo04, Laf03, Par04, Sha04, Vio04, Wan00]. **ISICS** [Cip07, Cip08, Cip09]. **ISICS2008** [Cip09]. **Ising** [BCBJ02, BMML05, BM06, CM02b, CHP04, FV02, HBMJ05, KM01c, LTA05, NH09, SS07a]. **isobaric** [BFL04]. **isospin** [Dev05, GFG⁺06, Mah08b]. **isothermal** [BFL04, TE05]. **isothermal-isobaric** [BFL04]. **isotopes** [LC01b]. **Isotropic** [JBS08, JOS07]. **Isotropic-isotropic** [JBS08]. **isotropy** [Koz02]. **ISSN** [Hoo04]. **issues** [Lee04, RGR⁺04]. **iterated** [Sch05]. **Iteration** [SZ00c]. **iterations** [CvdEF⁺05]. **Iterative** [BK06b, JBBR01, BDW06, BFLW07, CL02, FS01a, Li03, LY05, MP01a, MGG05, RB08, SMZ05, WWF08, WRC⁺04, ZSM05]. **Iteratively** [DSH02, DSH03]. **ITG** [BGS⁺04]. **IV** [CKA⁺09, DO04, IFF01, RF08]. **IVPs** [FSW08]. **IX** [PFG06a]. **Ixaru** [AA01b].

J [RP02]. **J4HistoryKeeper** [YFM09]. **J90** [WLH00]. **Jacobi** [KHÖ01, Yan03b]. **Jacobian** [Yan02, Yan03c]. **JADAMILU** [BN07]. **Jahn** [GFG⁺06]. **January** [BJS00]. **Japan** [Sak07, Yos00]. **Java** [Esq04, Chr00, Esq04, KM08a, MCLDP01, RSD01]. **JaxoDraw** [BT04, BCKT09]. **JChainsAnalyser** [DGR09]. **Jet** [CJT06, GJT03, HFN03]. **JETs** [LMP⁺09]. **JetViP** [Pöt00]. **JetWeb** [BB03]. **JJGEN** [SJF07]. **John** [Ano04b, Ano04-45]. **Jones** [GAR05, IW01]. **Josephson** [Bor02, Gen01, KSTL03, MSS00]. **jumps** [Ryc05]. **junction** [Bor02, Gen01, MSS00].

K*Grid [KKHL07, HKM⁺07]. **K-** [Cip07, Cip08, Cip09]. **Kac** [RDF02]. **Kadomtsev** [LL08]. **Kallman** [DC00]. **Kalman** [CNFR01, GKK⁺08]. **KangaROO** [ADD⁺03]. **Kansa** [DTHL09]. **KANTBP** [CGVA09a, CGA⁺07, CGVA08]. **keep** [Var02]. **keeping** [YFM09]. **Kernel** [Cra01, Kos05, MP04, SHT08]. **Kerr** [HBR05]. **KEWPIE** [BAB04]. **key** [MHS05, VK09b]. **Keystream** [ÁMRP04, WLW04]. **kicked** [Bow02]. **Killing**

[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, CCK08, 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** [EÁ01]. **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, BBR04, BDV04, CP00, DBR⁺02, EST00, FSK04, GFP00, HD04, HS07, HW09, KDSB04, Kur02, LdG⁺07, LKPH08, LCB07, Mah08a, MK05, MLPT08, NY07, PD08, SJHY07, SSB04, SBBM04,

VSBD00, WML⁺05, Zha01]. **laser-accelerated** [LdG⁺07]. **laser-atom** [BK06a]. **laser-driven** [MK05]. **laser-induced** [MLPT08]. **laser-matter** [LCB07]. **laser-plasma** [VSBD00, WML⁺05]. **laser-produced** [GFP00]. **laser-target** [PD08]. **Lattice** [BS00b, Cre00, EFH⁺07, Fod05, HL00a, KS04b, MS05a, Nii00, PY08, SHT08, Suc02, vdSvdG08, ALV05, All01, ALN⁺01, BB09a, BBD00, BC00, CYAS05, CT00, CK08, CMD00, CAF⁺03, CMM09, CNDC09, DCNDC09, DDD⁺01, DS04, DPB01, Di 01, DHS00, DSL09, Fel08, FT08, FKP03, FJC⁺05, GL02, GHLW03, HvHHM09, HCO00, HCO01, HS01a, HNG05, IK00, IKO00, ICO03, JU09, JH09b, KITK00, Koz02, KK05, LNC⁺03, Luo00, Lüs04, Lüs05, Mas05, MHR⁺07, MC08, MSS⁺07, MG09b, OS04, OCS⁺08, PCF05, PPM04, PCYC02, RS09, SCO00, SS07a, SBJ05, TMTF00, TCF00, Tri05, TCO00, TdFK00, Voi02, Voi03, YB02b, Yos01, ZHC00, ZY09, ZSSA00, vHLP08, KSC⁺00]. **Lattice-BGK** [KSC⁺00]. **lattice-Boltzmann** [DPB01, IK00, LNC⁺03, MC08]. **Lattice-gas** [Nii00, BC00, LNC⁺03, YB02b]. **LATTICEASY** [FT08]. **lattices** [CC09, GMAHV⁺09, RM05b, Wes07, ZZ09]. **law** [MR05, Mil06, Mil07, OML09, RDSS01a]. **laws** [Che07, RR05, ZY09, Laf03]. **layer** [BBBR04, CAW00, HJZL07, KY07, LCM00, Ras09, Ras17, SSPM05, Str01b, SBCZ08]. **layer-multiple-scattering** [SSPM05]. **layered** [DW01, Liu07a]. **layers** [ACC09]. **Laying** [VSBD00]. **lazy** [Bru04]. **LBIE** [DM09]. **LC** [JPS⁺01a]. **LCG** [BDG⁺08, Shi07]. **leading** [CC04]. **leakage** [CJC09]. **leaky** [Alf05]. **Least** [KT04, TD03, Dem06, JC07, WWF08]. **Least-squared** [KT04]. **LED** [CFJ09]. **LEED** [BH01]. **LEED90** [BRdAHK04a]. **Legendre** [Del08, SSP08b, Str00]. **legs** [BGH⁺09a]. **Lekner** [TZZ06]. **Lemaître** [Rib02]. **length** [MSS⁺07]. **Lennard** [GAR05, IW01]. **Lennard-Jones** [GAR05, IW01]. **LEP** [JWW00a]. **LEP/SLC** [JWW00a]. **LEP2** [BCCM03, JPS⁺01a]. **LEP2/LC** [JPS⁺01a]. **lepton** [JWW00a]. **leptonic** [PAT⁺09]. **leptoquark** [Bel01]. **less** [AW04, WA07]. **level** [ABB⁺09, CPW09, Cap05, DB08, ES09, GC01, HYY07, ISSC01, LLV⁺01, RLRR06, RGD⁺01, SV01, TY01, Yok09, YT01b, ABF⁺01]. **levels** [CCBL02, CC07, CCL08, CGA⁺07, CGVA08, CGVA09a, EÅ01, EVL00, GZF04, LVLS01, TYS⁺00]. **LevelScheme** [Cap05]. **Levin** [RB05]. **Levin-like** [RB05]. **LGT** [Tri01]. **LHC** [Shi07, ADE⁺02, CCG08, CGCS07, GGQ01, QWWZ09]. **LHCb** [Ano03h]. **Li** [BNS07]. **libraries** [vDGM⁺09]. **Library** [Ano04-46, BJS00, BB09b, JKW00, JKW06, MM09, PSW00, Bel05, BEM⁺02, Boy09, DVL⁺02, DVL⁺04, GBM02, Hah05, Hah07, JC08a, KS05, MG09c, PMA⁺04, Pin01, SG00a, SM04, SM06a, SBM09a, SWS⁺12, VHLP09, BJS00, DVL⁺04]. **libration** [She08]. **lidar** [BK06b, OPB⁺09]. **Lie** [dSB00, BCV03]. **life** [BM02a, Teh01]. **Lifshitz** [HP02]. **lifting** [MA00]. **Light** [PCC01, BLCR05, BDF⁺08, CLFH07, FWP01, GDC01, Har00, HTL⁺03, KS04a, LPRS02, LPR04]. **light-cone** [Har00]. **lightrays** [MG09c]. **Lightweight** [CSZ⁺07]. **like** [CGC⁺09, CWSH08, CGG⁺08, CGG⁺09, HD04, KF03, MVS05, OMF02,

RB05, SBD⁺06, SKF05, Wal03]. **likelihood** [BDYK04, Nap09]. **LILIX** [Ixa02]. **Limit** [DDFI09, HKK02a]. **Limitations** [FM00]. **Limiters** [SZ04]. **limits** [KJ07, KS04a, Sor02]. **LINDEN** [RGD⁺01]. **Line** [CDD08, JK01, Mar01]. **Line-by-line** [CDD08]. **Linear** [ADS06, BK05c, CMM09, FG04, Gao03, HHM⁺09, RLI07, SKNV01, WC00, YG09, Bat03, BMG01, BW01, Bru00a, CN01, CIC⁺03, CCBL02, Cha00, FGF03, GSGT03, HZGZ09, KA09, Kol03, LRI⁺06, NP01b, SKNV05, SSP08b, Wan05b, ZA01]. **linear-mixing** [Bat03]. **linear-rigid-rotor** [CCBL02]. **Linear-scaling** [Gao03, HHM⁺09, SKNV01, WC00, SKNV05]. **Linearization** [Ram03]. **linearizations** [BB04a]. **Linearized** [BC05, ADS06, IH09, IHAR09]. **linearly** [CMR01, Man02]. **linearly-scaling** [CMR01]. **lines** [HD04]. **lineshape** [BDM09]. **link** [Dür09, KT04, KSYE00]. **link-cell** [KSYE00]. **linkages** [BSB02]. **linked** [RS09]. **linking** [BDYK04]. **links** [HK02]. **Linux** [BS06a]. **Liouville** [CGVA09b, LVV04, LVV09]. **Liouvillian** [ADDdM07]. **lipid** [SDLW07]. **Lipkin** [RGD⁺01]. **liquid** [All05, BNS07, CAAM08, GLP03, JBA05, LS02, LPRS02, LPR04, MSS⁺09, MVS05, MSK⁺05, MDH04, Mor01, MSH01, PGS02, RCGC00, RCG05, SSH01, TDY02, Yok09, Yos03, Yos07]. **liquid-liquid** [MSS⁺09, Mor01]. **liquids** [CAAM08, GGL⁺02, HL00b, SHZ01]. **List** [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, Mas05, MDT03, YWLC04]. **lists** [ABRS12, BM04, SJF07]. **lit** [CFJ09]. **literature** [DDEM00]. **lithium** [OMC00]. **little** [GGL⁺02]. **load** [CD09a, PSP⁺03]. **load-balancing** [PSP⁺03]. **Local** [MP01b, YW01, AA07, ACK05, BP08b, DM09, HTM⁺08, JK08, LWY01, LM02b, NM01b, Ryc05, SKH02b, TLP04, TL06c, VPP⁺12]. **localised** [KH09, MYL⁺08, MSHP20, RB08]. **localization** [CMRS02, TIM07, TIM08]. **Localized** [GFS03, MSHP02, SMH⁺01]. **Locating** [TL06c, LLY07, VPK⁺01, WMNS09]. **location** [HS01b, QTMH07]. **log** [KS05]. **log-derivative** [Jam00]. **log-sine** [KS05]. **Logarithmic** [Dür09, Zit09]. **logging** [ZZH09]. **logging-while-drilling** [ZZH09]. **logic** [MSS00]. **Long** [HKL⁺07a, HKL⁺07b, PHF⁺07, WLR⁺08, AL08a, Cai09, CJC09, HLW05, LOCJ05, LOY07, MBG03, MRS04, RD05, SYN01, SVA01, Sim08, SS05, Tat07]. **long-baseline** [HLW05]. **Long-range** [PHF⁺07, AL08a, CJC09, LOY07, MBG03, MRS04, RD05, SYN01, SS05, Tat07]. **long-term** [SVA01]. **Long-time** [WLR⁺08, Sim08]. **long-wave** [Cai09]. **loop**

[BD02, BGH⁺09a, Blü00, BW08, CCGR09, FK00, KKK06, KK06, LOY07, LR06, MR06, NN09, PZ01, PR06, WMNS09, dDSFY04]. **loops** [PZ01]. **LORES** [ZDKG05]. **loss** [Frü03]. **Lotka** [Sle00]. **Low** [BRdAHK04a, Cun09, IL07, ZDKG05, BDBV12, CRS05, CDQF07, CS07, DS01, FH00, FS01a, GSSN00, Kat02, KG07, MSY07, MYC09, NH09, Rob00, SM06b, Wan01, BRdAHK04b, dAK01]. **low-** [MSY07]. **low-dimensional** [MYC09, Rob00]. **Low-Energy** [BRdAHK04a, BRdAHK04b, dAK01]. **Low-lying** [Cun09]. **low-noise** [BDBV12]. **Low-pressure** [IL07, CS07]. **lower** [WBDB04]. **lowest** [Kol09]. **LP** [Ixa07b]. **LPGS** [ZA01]. **LPGS-decomposed** [ZA01]. **LQGENEP** [Bel01]. **LS** [Car06, Car07, GF02a]. **LSGP** [ZA01]. **LSGP-** [ZA01]. **LSJ** [GZF04]. **lsjk** [KS05]. **LSS** [BCAD06, BADC07]. **lubrication** [SR01a]. **LUDWIG** [DPB01]. **luminous** [SLL07]. **Lyapunov** [Gal00, LCPC04]. **lying** [CRS05, Cun09].

M [Par04, Cip07, Cip08, Cip09, MM08]. **M-shell** [Cip07, Cip08, Cip09]. **M.Dyna** [LL00]. **M3D** [CBF⁺04]. **Mach** [FH00]. **machine** [CC00, WLH00]. **machines** [GBD03, Tri01]. **MACHO** [HCK01]. **macro** [OML09]. **macromolecular** [Bin02]. **macromolecules** [EE02, ZDKG05]. **Macroscopic** [RR05, GT04, Lud02]. **Macsyma** [Dra01]. **made** [CD09b, Hah09, PKB⁺01]. **mAgic** [PKB⁺01]. **mAgic-FPU** [PKB⁺01]. **magnetic** [ACK05, BD00, BCD⁺07, BMSG01, BJ03, CMT00, CMT01, CGG⁺08, CGG⁺09, EFBP04, EKW09, FS08, GBC⁺04, HCO01, HOI04, IH01, JTS⁺06, JBA⁺07, KDSB04, KMR⁺09, KS01, NM01b, Pis00, SHW01, SG06, SYN01, SPP⁺04, TZZ06, UTO09, VEG08, YSM09, Yak01, Zha01]. **magnetically** [Ram12]. **magnetics** [MKM02]. **magnetization** [SMV01]. **magnetized** [DGV08, HL05, JTS⁺06, KCR07, KT07, MMTH04, Ram10, Yan09]. **magneto** [DGR09, HSSA01]. **magneto-oscillatory** [HSSA01]. **magneto-rheological** [DGR09]. **magnetofluid** [vdHKM08]. **magnetohydrodynamic** [DM09, Liu07b, MS08a, Pet04, SG01, YSM09]. **magnetohydrodynamics** [Cha04, LBPS09, Zie05]. **magnetoplasma** [SAU⁺04]. **magnetosphere** [Swi04]. **magnetron** [IH01]. **magnets** [CM02b]. **magnon** [Tam03]. **Magnus** [PSV00, WDHE04]. **Magnus-factorized** [PSV00]. **main** [Mas00]. **Making** [Sal02]. **Malmberg** [CKV04]. **man** [CFH⁺01]. **management** [ABNÁ05, Ano09s, BCC⁺06, dSdSW08]. **manager** [Teh01]. **manifestation** [HSSA01]. **manifold** [Bac02]. **manipulation** [Niu00]. **manipulators** [MP04]. **Many** [KM05, BD08, BM04, CW00, DD01, Dzu09, EKW09, GFF01, Mak01, MSD08, NP01a, OMF02, SBB03, YB02b]. **Many-body** [KM05, BD08, CW00, DD01, Dzu09, Mak01, NP01a, OMF02, YB02b]. **many-dimensional** [MSD08]. **many-electron** [BM04, EKW09]. **many-particle** [GFF01, SBB03]. **Maple** [AF05, BS03, CD01a, DDdMS02, FIBT01, FIT03, Fri09, GFF01, GF02a, GSF05, GSF06, GI09, Har00, IFF01, bLpL02, LL04, pLbL03, PFG06a, Vul03, qXbL04]. **maplet** [YC07]. **Mapped**

[ABOSPG09]. **mapping** [CD08]. **maps** [Gal00]. **market** [LLH07]. **markets** [KKH07]. **Markovian** [FRdS09, JS06, MVS05]. **marks** [LVH07]. **Mars** [PAD⁺09]. **martensitic** [KEL02]. **MAS** [BDM09]. **masking** [UOM01]. **mass** [BDF⁺08, ISS⁺02, Jan05, JU09, PR06, UJSW06, vHLP08]. **masses** [CKS00, EH06, EH07, HHW00, KJ04, NN09]. **massive** [ABM03, Ste01]. **Massively** [DMD⁺07, Jen00, BTK⁺02, CSS⁺03, Dec07, Dup01, GBFS07, GBD03, KCC⁺00, MT00, NJ00, Yos01]. **massless** [Bek06]. **Master** [CCGR09, FS01a, LOCJ05, OGWH03, PR06]. **MATAD** [Ste01]. **Matched** [CSS⁺03]. **matching** [CAW00, Tam03]. **material** [Ano09a, BD00, BDK⁺06, Lud02, MSY07, SBM02, dNKM07]. **Materials** [Haf07, MRF⁺05, CM02a, Den08, Goc04, GMBC08, Gun02, HKK⁺01, HM00, JGJ09, KCC⁺00, MS05b, NY06, OLS⁺01, Ram12, YGT⁺02, dSdSW08]. **Mathematica** [BC07, Bre07, Cap05, CKS00, FW01, Fer07a, GKR07, GMBC08, GHIL09, Gro01, Hah08, HL08b, HM06b, HHL06, JDBT06, JDBT09, Lor08, Maï06, MM08, PTL04, Tos08, WGDZ04, WW06]. **Mathematical** [Bru00b, Del03, Koc02, KTG04a, MTZ00, RR02, Suz00, GT01, KVR⁺00, KN07a, Mas00, SZ00b, Sev00, Tho01, Yan03c]. **MATHSCOUT** [BC07]. **Matlab** [HTNFBS06a, HTNFBS06b, PBI07, TNBSF04, Tót08, Sha04]. **matrices** [BRdAHK04b, BN07, Bun01a, De 02, DC00, Flo01, GRR01, LB04, PFG06a, Pog05, RF08]. **Matrix** [BR09, Di 01, IH09, Alv09, AC05a, AC05b, BFLW07, BMG01, BBB⁺00, CNMC09, Cha00, CGA⁺07, CGVA08, CGG⁺08, CGG⁺09, CGVA09a, ÇHM00, DEW00, DM07, EFS⁺08, FM03, FSB09, GF01, GFF01, GME06, HL08b, KTL05, LS01, MN01, OS03, PDA06, PAT⁺09, Ram12, Sar00, Sch08, SSB⁺09, SMZ05, SNBB02, TYSH05, Ton07, UTKF05, WN01, Yak01, You09, Zat06, ZSM05, dAK01, dlGGS⁺05]. **matrix-exponential** [Ram12]. **matrix-vector** [EFS⁺08]. **MatrixExp** [Pog05]. **matter** [BBPS07a, BBPS07b, BBPS09, BFI⁺00, CMR01, LAMH06, LCB07, PJSK08, RRCV09]. **Maximally** [GFS03, MYL⁺08]. **maximally-localised** [MYL⁺08]. **maximum** [BDYK04]. **Maxwell** [MOS01, CHS09, DKMF03, Den08, HZGZ09, LCB07, MOS00, PCV06, RB00, ST02, She03]. **mazer** [BS00a]. **mazev1** [DG08]. **mazev2** [DG08]. **mazev3** [DG08]. **mbar** [KRTZ02]. **MC** [FFK02, GPW04, JPS⁺09]. **MC-TESTER** [GPW04]. **MC3D** [Wol03]. **MC3D-3D** [Wol03]. **MCC** [LSL07, MIM⁺07]. **MCDB** [BDG⁺08]. **MCDF** [UK02b]. **MCDHF** [AJ08]. **MCEF** [DTD⁺02]. **McGuire** [Koc02]. **MCHF** [Fro00, FTGG07, JG02, ZF09]. **MCL** [KPD06]. **MCNP** [KN07a]. **MCNP-4B** [KN07a]. **MD** [GSM⁺03, KPS⁺01, LL00, PS09, TMN01]. **MDGRAPE** [SEE⁺03]. **MDGRAPE-2** [SEE⁺03]. **MDVRY** [SLBG09]. **Mean** [Tam03, BKB02a, GSM⁺03, MSS⁺09]. **means** [Ano01n, BKKS09, FH04, KKS04, Tam03]. **measurements** [BSO⁺04, FKMB09, PBI07, iSAK⁺08]. **Measuring** [Yur02]. **Mechanical** [PMH08, CN01, Dun05, HSGBK08, LLT⁺02, OSK⁺02, VT00b, VT00c]. **mechanical/molecular** [OSK⁺02]. **mechanically** [RJFB08]. **mechanics** [HF00, JC08b, KM01d, KM03, LC00, MGG05, OMF03, Ram03, Sta00,

VCCS05, WDHE04]. **mechanism** [Ger07, KL07a]. **mechanisms** [HOT07, Ste05, iTKST01]. **media** [Bar00, BBD00, BB04b, CGK⁺00, JOS07, Mel01, PPM04, RK05]. **medical** [FFS01]. **medium** [CL03, NN06]. **meets** [MS05b, OLX07]. **Mellin** [Blü00, BKKS09, Blü09, Cza06, GKR07]. **melting** [KNSY07a, LNLK01, MVS05, MYJY01, Ste05]. **melts** [CW01, MPS09, Ryc05, WBC⁺07, ZM00]. **membrane** [GS01a, RR02]. **membranes** [HJM02, SDLW07, iTKST01]. **memory** [BOG⁺07, BB00, BTS06, CCK08, CC00, TG00, TYS⁺00, Xia01]. **MEMPSODE** [VPP⁺12]. **MERADGEN** [ACIZ07]. **mercury** [SLL07]. **mercury-free** [SLL07]. **Merging** [GB05]. **MERLIN** [KPD06, PDL04]. **MERLIN-3.1.1** [PDL04]. **MERLIN/MCL** [KPD06]. **Mesh** [BTS06, IH01, KNTG03, PM01, BFH05, DMR02, FMD07, FS08, HCH⁺06, KKF⁺04, LHS⁺06, MOM⁺00, OD07, Ros04, SJCM04, VAH04, VCF⁺04, WTW04, Zie04, Zie08]. **mesh-refining** [LHS⁺06]. **meshes** [MCLDP01, MOS00, MOS01]. **Meshless** [DM09, YNS⁺09]. **mesogenic** [HSS⁺08]. **meson** [CDEW04, CWW06b, DS04]. **mesophase** [HHCC05]. **Mesoscale** [JOS07, LNC⁺03]. **Mesosopic** [PCF05, YGT⁺02, HKK⁺01, ISSB01, iOY01, Yos00]. **mesospheric** [BCP04]. **Metacomputing** [Lüt00]. **Metadata** [dSdSW08]. **Metal** [KGM00, LY05, NP01a, TGB01, YH02]. **Metal-insulator** [KGM00, YH02]. **metal-oxide-semiconductor** [LY05]. **metallic** [CIC⁺03, KPS⁺01, PDM⁺08, SG05]. **metals** [Cle05, WC00]. **metamodelling** [RPY07]. **metastable** [CRS05, vdB08]. **Method** [IH01, SLL01, VPK⁺01, AP04, AA01a, ABOSPG09, Alf09, ÁMRP04, ASF⁺05, ADS06, AKZ00, ARV02, AH02, ASVA00, Bae03, BDK⁺06, BDW06, BLS09b, BFLW07, BK06b, BKM05, BDYK04, BTS06, BVKW02, Cai09, CMF00, CZC00, CCL08, CWSH08, CAW00, CA09, CRS09, CCRA05, DWZS05, DS01, DM09, Den08, DW01, DSH02, DSH03, DSHH05, Don02, DTHL09, DDdMS02, Dys02, DM07, EL06, Eli08, EFS⁺08, FSW08, FNR⁺06, FNR⁺07, FER⁺07b, FSB09, FZ09, GVMW04, GHP01, GT01, GMAHV⁺09, GMAN⁺07, GLP03, GLMADB⁺02, GSGT03, Gre07, bHhL07, Hin00, HJZ09, Hua09, IH09, Ida02, IK00, IKO00, Ixa07b, JH09a, Jam00, JC08b, KV08, KA09, KNY05, KD09, KM01d, KM06, KN07b, KTT02, LRI⁺06, LLY07, LLCS01, Li03, LY05, LFT01, LFT03, LKC06, LZ04, LS05, Lüs04, Maa06, Man04, MDT03, MHR⁺07]. **method** [MLF07, MS05a, Mel05, MN01, MYJY01, MI05, MA06, MP01b, MABK02, NT04, NM01a, NJ01, Nik03, NFS01b, OCK⁺03, OD07, OS04, OPO⁺08, OGWH03, PAS09, PJK00, PMG07, PAD07, PKST03, Pis00, Pit05, PSV00, RLRR06, Ram10, Ras09, RE09, Ras17, RB08, RDFF02, RMLB01, Ros04, RMWH01, RB00, SSPM05, San00, SNS01, Sch05, SOYN01, SI01, SHZ01, Sho04, Sho07, Sim00, SW00a, SVA01, SVA03, SPS09, SJ02, SZ00c, SR01b, SM02, SRR⁺00, SFSL09, SHH⁺04, SS05, SFR05, TMTF00, TCF00, TQZM08, TL06b, TdFK00, UOM01, UOTM03, UK02a, UK02b, UYK⁺04, VPCK04, Var08, WN01, WKP⁺01, WGS00, Wal03, WGDZ04, WW05, WC05,

Wan06a, Wan06c, Wan06b, Wan09b, Wan09a, WP00, WMNS09, WH00, kWpLwW01, WLW04, WTW04, Xia01, XC03, XSC09, XZ12, YNK05, YZW02, YWLC04, YD06]. **method** [Yok09, ZWD05, dNKM07, dO02, dlHV08]. **methodologies** [Bae03]. **Methods** [Hoo04, KNU00, AA07, AKS01, AKS02, AK07, BK01, BDP00, BT01, CFMR08, CTG01, CvdEF⁺05, CKA⁺09, DKMF03, DEW00, Fra02, FS01a, GSM⁺03, GF02c, HDGM07, HGVC⁺02, IHAR09, KMS09, KSC⁺00, KALC08, LVV04, LVV06, LIR⁺06, LJY07, LZ00, LNC⁺03, MVJ09, MPR05, MDC09, MKK05, MMMM00, MKS07, PKSF01, PKPV02, PKKM02, PSK01b, Ram03, SG06, SLMS06, SMZ05, SQ03, TBZ12, ULA⁺02, VPCK04, Van05a, Van05c, VIV01, itVPG08, VT00c, Wan05b, WGL06, WDHE04, WYL09, WYX09, Wu10, YWYF09, YNS⁺09, Zah04, Zah05, ZSM05, Zit09, dMBC⁺06, vdEFL⁺02, vHLP08, BP08a, BFI⁺00]. **Metropolis** [FNR⁺07, KM01b, DDD⁺01, FNR⁺06, KM00a, dS03]. **mFOAM** [JS07]. **mFOAM-1.02** [JS07]. **MgB** [HTA08]. **MgO** [MS05b]. **MHD** [Ras17, ATF⁺09, ADG08, CLR08, DM09, GIME02, GZ07, Huj05, KKS04, KSPT04, KKF⁺04, MMTH04, Ras09, RJFB08, Ros04, SIH⁺01, SGK09, SPP⁺04, Zie04, Zie08]. **MHD-code** [GZ07]. **micelle** [Car07, SCO00, Car07]. **micelles** [AP05]. **micro** [ADD⁺03, AAA⁺00, KHIL07, LTG09, OML09, PRSB08]. **micro-canonical** [PRSB08]. **micro-DST** [ADD⁺03]. **micro-macro** [OML09]. **micro-structure** [AAA⁺00, LTG09]. **microcanonical** [FdO09, RLU00]. **microhollow** [HKLY07]. **micrOMEGAs** [BBPS02, BBPS06, BBPS07a, BBPS07b]. **micrOMEGAs.2.2** [BBPS09]. **microscopic** [Lud02, PY08, Rap08, VS01]. **Microscopy** [RdAGV⁺00]. **microstructure** [CFJ09]. **microstructures** [Nii00]. **microturbulence** [Lew04]. **microwave** [CH09, HJZL07, NV09]. **middleware** [CSZ⁺07, HKM⁺07]. **Mie** [WV04]. **Mika** [Vio04]. **Mills** [MG09b]. **MIMD** [VT00b]. **Mimetic** [KT05]. **MINERVA** [ATF⁺09]. **MinFinder** [TL08b, TL06c]. **mini** [HFN03]. **mini-jet** [HFN03]. **minima** [CCRA05, TL06c]. **minimal** [LPC⁺04, DGS08, FIJ⁺03, HS02]. **minimisation** [HP06]. **minimizing** [Lor08]. **minimum** [JPS⁺09]. **Mining** [HCK01, PB09b]. **miscibility** [Mül02]. **Mix** [LL00, WSCW09]. **mixed** [BBD⁺09, CHS09, Kim07, LCM00, Nap09, VKM⁺05]. **mixing** [Bat03, Cun09]. **Mixture** [FL01, CTI07, Frü03, GAR05, TE05, WS02]. **mixtures** [JBS08, LL00, MY00a, MY00b, Pur02, itVPG08, VMMB02]. **MJK** [GG03]. **mK** [Yan03b]. **MM** [GSM⁺03]. **MMM2D** [AH02]. **Mn** [KMD⁺02]. **MO** [iTKST01, YKK07]. **mobility** [Mam08]. **mode** [AK03, CDQF07, CAW00, WBDB04]. **mode-matching** [CAW00]. **Model** [CGIA07, FK00, KOS⁺09, RCGC00, AGJJ07, AGV00, AIOST03, AC07, AAG⁺04, ASF⁺05, BLS09a, BBOY08, Bat03, BBB⁺04, BBPS07a, BBPS07b, BBPS09, BCBJ02, BBJS09, Ber03b, BG06, BCD⁺07, BFL04, BC00, BFB⁺08, CMRS02, CM06, CSW02, CFJ09, CBBJ02, CL02, CMD00, CS07, CHP04, DKC08, Elm09, EM08, FFK02, FGA04, FM00, FHR⁺05, FV02, Frü03, FMN01,

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, ZSd⁺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, CDF05, 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**

[Hin00, LCV06, LDBG08, NFS01a, NFS02, NT05, NW02a, Ton07, WM00].
molecule-doped [NW02a]. **molecules**
 [ARV02, Bac00, BBOY08, BTK⁺02, BSS09, DN05, GLL⁺02, HC08, HSS⁺08, IW01, IW02, JAT03, KJ07, KLTH04, LVLS02, LRR⁺09, MVS05, NW02a, NY07, RMLB01, ST02, SJP05, TKB⁺04, TNCG00]. **MOLED** [HTL⁺03].
Møller [ACIZ07]. **MOMDIS** [BG06]. **Moment** [BBOY08, DN05, Goc04].
momenta [FIBT01, FIT03, Fri09, GFF01, GF02a, GSF05, IFF01, PFG06a].
moments [BKKS09, ISX05, ST02]. **momentum** [DK05, Dun05, GFG01, GF02b, HCO01, ID09, IM01, Jia08, KM00a, KM01b, Ste02, SFSL09].
MonALISA [LNV⁺09]. **MONARC** [MC01]. **monitor** [LNV⁺09].
monitoring [GC01]. **monolayers** [SDLW07]. **Monotone** [CL02, Li03].
monotonic [Dem03, DB08]. **Monte** [FNR⁺07, GPW⁺09, JKW06, SVMT00, 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, Gra02, GOG00, GRS06, HPC05, HKLY07, HCIK00, Huk02, JKW00, Jad00, JWW00a, JWW00b, JPS⁺01a, JPS⁺01b, Jad03, JS06, Jun02, JBS08, KH01, KPL07, Kat02, KRW03, 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]. **Monte**
 [RPD⁺05, RS00, RK05, Sch04, SVP09, SLWH02, SSLN02, Sul05, TA00b, Tak00, Tom09, TNCG00, Trö08, ULA⁺02, Uhl03, VYK02, VPNW02, VMMB02, Wal03, WL00, WK02, WH00, WLGX09, YC07, dS03].
Monte-Carlo [WJW09]. **MontePython** [Nil07b]. **morphogenesis**
 [CGIA07]. **Morphological** [MD00, GBA01]. **morphology**
 [BM02b, CGC⁺09]. **MOS** [LLT⁺02]. **Moshinsky** [UTKF05]. **Mossotti**
 [LWY01]. **motility** [WG01]. **motion** [DMR02, FRdS09, KKSR04, KLTH04, NKV03, OMF02, RLU01, Sta00, TMTF00, TGB01, Yok09]. **Motion4D**
 [MG09c]. **motions** [LV08]. **motivated** [Pee07]. **moves** [WL00]. **moving**
 [GSGT03, PPC07, SFF⁺04]. **MPI** [BCAD06, BADC07, Gao03, MGG05].
MPI-2 [BCAD06, BADC07]. **MSPHD** [GSSN00]. **MSSM**
 [BDW06, BBPS02, DGS08, DKM07, HHH⁺09, HHW00, LCE⁺09, Mah08b, MDM05, QxW07]. **much** [Ort00]. **MULTEM** [SYM00]. **Multi**
 [DSHH05, FLO06, GIME02, Ida03a, Jad00, LbotMC01, NJ00, SQ03, TYN02, TCF00, AK07, BAD01, BBBD06, BW08, Bre05, CD01b, CR00, FH04, GFP00, Huj05, KNTG03, Li03, LLLZ01, NW02b, OSK04, ISX05, SSP08b, SIE04, THC⁺07, Val05, WGDZ04, WC05, WMNS09, WRMG05, Xia01, Yam00, Yok09, dNKM07, BMS⁺09, Ida03b]. **multi-beam** [OSK04].
multi-derivative [WGDZ04, WC05]. **Multi-dimensional**
 [Jad00, TYN02, Bre05, CD01b, Huj05, KNTG03, Li03, Yam00]. **Multi-fluid**
 [GIME02, GFP00, Xia01]. **multi-loop** [BW08, WMNS09]. **multi-material**

[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** [CTS07, 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]. **nanostuctured** [KCC⁺00, PMH08, YGT⁺02]. **nanostuctures** [NKSL05]. **nanosystem**

[Ano09a]. **nanotube**
[CSC⁺07, CSC⁺08, HKK02a, HKK02b, LC08b, PLL07, SGL09]. **nanotubes**
[AFK⁺07, KKKC07, ÖDÇ02, YN05b]. **nanowire** [GVMW04]. **nanowires**
[PMH08, SG05]. **narrow** [DN05, LLV⁺01]. **National**
[Ano04-46, PMA⁺04, Yos00, VSBD00]. **natural** [BSB02]. **nature**
[CRPC08, TRAdO09]. **Navier** [ICT01]. **Ne-like** [HD04]. **Near**
[BK05a, DEW01, JKKT00, NSKS01, Riz02, YW01]. **Near-field**
[BK05a, NSKS01]. **NearFar** [Cha07]. **nearside** [Cha07]. **nearside-farside**
[Cha07]. **NEC** [EL04]. **Ned** [Ano04-57]. **negative**
[BNS07, Nob04, Rou01, Sea02a, SHJ07]. **neighbor**
[ABRS12, MDT03, YWLC04]. **neighborhood** [TBR07]. **neighbour** [Mas05].
nematic [PGS02]. **nematohydrodynamics** [TDY02]. **neoclassical**
[Lüt04, WTH⁺04]. **neon** [OMC00, OMC00]. **nested**
[Eli08, KSC⁺00, MMTH04, PZ01, CvDEF⁺05]. **nestedness** [BCHP09].
Network [FFS01, CBM⁺05, FDM07, GC01, LV08, LFT01, LFT03, MLF07,
RDS01a, RDS02a, RDS02b, SM01, Sug01, YNZ⁺09, ZWY04]. **Networking**
[New07]. **Networks**
[MTC07, BOG⁺07, BCHP09, CD08, HSJ02, KKH07, KOS⁺09, LLH07, Lik01,
MLG⁺01, MBC⁺09, New02, RDSS01b, TWY09, YD07, ZBB⁺06]. **Neural**
[EFG⁺00, Ano01n, LFT01, LFT03, Lik01, Sug01, TWY09, YD07].
neurotoxin [CCD07]. **Neutral**
[PBB⁺04, HHW00, Lon07, Man04, MOC03, OMC00]. **neutralization**
[WCG04]. **neutrino** [CBMS08, GK05, HLW05, HKL⁺07b, KL01, KFI⁺01].
neutrinos [KL01]. **neutron**
[CDQF07, EKW09, HBRS05, LZ00, RLV⁺08, VT00a]. **neutrons**
[Yos03, Yos07]. **Newcomb** [ATIO06]. **Newton**
[AP04, DSH02, DSH03, Jam00, Sim08]. **Newtonian** [CLR08, LC00, Pue06].
NEXTCALIBUR [BPP01]. **Ni** [Bur02, KEL02, KMD⁺02]. **Ni-based**
[Bur02]. **NiAl** [LAF01]. **Nicholson** [Sch05]. **NIMROD** [KSSH04]. **NiO**
[Kar02]. **NIRVANA** [GZ07, Zie04, Zie08]. **nitride** [SLC09]. **NLO** [CC04].
NMHDECAY [EH06]. **NMR** [BDM09, PCYC02]. **NMscatt** [MFVJ07].
NMSPEC [EH07]. **NMSSM** [EH06, EH07, Mah09b]. **NNLO** [CCG08]. **no**
[Bar03]. **nodes** [GBD03, MTC07]. **Nogami** [RGD⁺01]. **Noise**
[KA05, BDBV12, Gen01, HKP02]. **Noise-driven** [KA05]. **noises**
[Mil06, Mil07]. **noisy** [KV08]. **Non** [MVS05, TE05, AA08, BCD⁺07, BL05,
BFLW07, BC05, Bru00a, Cha04, CSW02, CLFH07, CL03, FRdS09, FGF03,
GF02b, GBM02, GSGT03, HYY07, HSSA01, IK00, JS06, KV08, KG07,
KH06, KB02, LC00, MSD08, NJ01, NP01b, NFS01b, RLRR06, RSMK⁺00,
Ram05, TNY00, UNK12, WP00, WRC⁺04, Yao09, ZF00, ZSSA00].
non-adiabatic [BC05]. **non-classical** [KB02]. **non-conservative** [TNY00].
non-convex [RLRR06]. **non-equilibrium** [BL05, HYY07, ZSSA00].
non-Fickian [CL03, Ram05]. **non-filtered** [GBM02]. **non-Hermitian**
[BFLW07]. **non-ideal** [IK00]. **non-integrability** [HSSA01]. **non-integral**
[AA08, Yao09]. **Non-isothermal** [TE05]. **non-iterative** [WRC⁺04].

non-linear [Bru00a, FGF03, GSGT03, NP01b]. **Non-Markovian** [MVS05, FRdS09, JS06]. **non-Newtonian** [LC00]. **non-orthogonal** [WP00, ZF00]. **non-oscillatory** [KG07, UNK12]. **non-overlapping** [CLFH07]. **non-perturbative** [NFS01b]. **non-scalar** [GF02b]. **non-spherical** [RSMK⁺00]. **non-staggered** [Cha04]. **non-trivial** [MSD08]. **non-uniform** [BCD⁺07, KV08, KH06, NJ01]. **non-zero** [CSW02]. **Nonadiabatic** [SK05]. **nonautonomous** [HL00c]. **nonequilibrium** [MCH02, iOY01, RMK05, Tod01]. **Nonlinear** [KDSB04, NYH04, WGY01, AP04, AA08, ASJ⁺03, AH03, AOT01, AK07, BGH04, BB04b, BGS⁺04, DWZS05, DDFI09, DKV00, EST00, FD03, FGA04, GT01, GKI02, GH01, GCD06, Hon04, KA09, bLpL02, LL04, LJ08, pLbL03, Liu07a, Lüt04, MT01, PCC⁺09, RE09, RMWH01, SZ00c, SQ03, Wan09b, WW06, qXbL04, qX08, qX09, XZ12, Yan02, Yan03c, Yan03d, YRR07, ZLL09, dLHV08, Par04]. **nonlinear-condensation** [ASJ⁺03]. **nonlinearity** [KLD04]. **nonlinearly** [YB02a, Yan03a, Yan03b]. **Nonlocal** [BBBR04]. **Nonperturbative** [Sav01]. **nonrelativistic** [MMR04]. **nonspherical** [IW02]. **nonuniform** [Bel05, Eli08, KV07]. **nonzero** [BFLW07, KJ04]. **Nordsieck** [BMC05]. **normal** [BB07, CRUV00, She08, Var02]. **normalization** [UCG⁺05]. **Nosé** [Lei02]. **notation** [GZF04]. **Note** [Ano06-29, Ano07-30, Pub07, WYL09, Ano03-43, Ano03-44, Kar01, Koz02, qX09]. **notes** [BCKT09]. **Novel** [ZZH09, BMML05, FGF03, FH00, GBA01, HKK⁺01, LH03, Mas05, MVS05, NJ01, PL05]. **Novosibirsk** [BEM⁺02]. **nozzle** [CTG01]. **NP** [Zim02]. **NP-complete** [Zim02]. **NPT** [IW02, OK06b]. **NUBEAM** [PMA⁺04].

Nuclear
 [MC03, New07, Bar00, BDLT02, BCG03, BFB⁺08, DTD⁺02, Di 02, Elm09, GFG⁺06, HL08b, MM05, MM09, NY06, NY08, QCML03, Tom09, UTKF05].

Nucleation [SF05]. **nuclei** [BAB04, DSS01, RGD⁺01]. **nucleon** [AIOST03, MNYY00a]. **nucleon-nucleon** [MNYY00a]. **nucleons** [Wro08]. **nucleosynthesis** [PCE⁺08]. **nucleus** [VEG08]. **nudged** [Nak08]. **Null** [DW01, Rib02]. **Null-field** [DW01].

Number
 [DGLB08, LBP⁺09, ATB⁺01, DH00, FPB08, KKK06, Lad09, LCPC04, MI05, OGWH03, Pro00, Sch06a, TYSH05, WL00, WHO02, WH06]. **numbers** [FH00, HB05, Str05]. **numer** [Sea02c]. **Numeric** [Bre01, Ada04, BGH⁺09b, KS05, PC08]. **Numerical** [AA07, AMP⁺00, AT09, BF04, BS00a, BBD00, BCD⁺07, BK01, BV00, BFI⁺00, BDP00, CMS04, CCK08, CGM01, CTG01, CvdeF⁺05, CKA⁺09, FRdS09, Fat02, Gal00, GR01, GR02, GHLW03, GBC⁺04, HL00c, Hoo04, Inu07, IN09, JW02, KKS04, KSHP02, Kon01, KM01d, KK06, LdVJ06, LdG⁺07, LLT⁺02, LWLL07, LC08b, LCM00, LC00, LEG02, Liu07a, MDC09, MYJY01, NRDHB01, PBB⁺04, PHKL02, RMVQ07, SLC09, SS07a, SNS01, SJDC07, Sho07, SSP08b, Sol01, SM02, SKRK04, Sug01, TMTF00, TAKN02, TKP06, TY01, VW05, Vos06, WV05, Wil09, vdEFL⁺02, AP04, AG05, Asc08, ASVA00, AKS01, AKS02, BDK⁺06, BZ00, BH05, BGH⁺09a, CCGR09, Cai09, CL08b, CRS09, DGV08, DKMF03, DGSL09, Don02, Dys02, EST00, FLO06,

Fij99, Fij00, FH00, Fra02, GME06, Hah05]. **numerical** [Hah07, HJZL07, Huj05, HHL06, KKK06, Kau03, KL01, KCH00, KNU00, KA05, KN07b, LVV07, Lee04, LR07, LLCS01, LH03, Li03, LY05, LCB07, yMS01, MSS⁺09, MLF07, Mil06, Mil07, Min01, MA04, MA08, MP01b, MKS07, MP05, Nur04, OCS⁺08, PAS09, Pis00, PSK01a, PR06, PSV00, Ram05, RM05b, RS09, SMSE03, SW09, Sho04, SW00a, SVA03, Sim09, Ska05, Sus01, TKS⁺01, TQZM08, UK02a, UK02b, Van05a, Van05b, VHLP09, WGS00, WGDZ04, WC05, Wan09a, WDB04, Wu10, YWYF09, You05, ZSK⁺04, Zit09, vDGM⁺09]. **numerically** [Tal09]. **Numerov** [FSW08, Sea02c]. **Numerov-type** [FSW08]. **NumSBT** [Tal09]. **NVIDIA** [MBKJ09]. **NVT** [IW02]. **NWChem** [KAB⁺00, SPM00]. **Nyström** [Fra02, KMS09, PAS09, Van05b].

O [EVL00, Hah09, OCK⁺00]. **Object** [Bre01, BHNW01, DG08, KLM00, AGV00, Che05, DM07, GGQ01, QRH00, Wil09]. **Object-Oriented** [Bre01, DG08, KLM00, AGV00, Che05, DM07, QRH00]. **objective** [KV08]. **Objectivity** [SM01]. **Objectivity/AMS** [SM01]. **objects** [HS01b, ICO01]. **oblate** [KJ07]. **Obrechhoff** [CWSH08, DWZS05, WW05, Wan06a, ZWD05]. **observable** [GG03]. **observables** [BDW06, HHH⁺09, Mah09b, Mah09a]. **obstacles** [DEW00]. **obtained** [Ano04b, GZF04, Tam03, TMN01]. **obtaining** [KKK06, MYL⁺08]. **occurring** [FK00]. **ocean** [NN06]. **octopus** [MCBR03]. **ODE** [WDHE04]. **ODEs** [CTR00, IVD03, MT01]. **ODPEVP** [CGVA09b]. **Oedometric** [OML09]. **Off** [KK05, ÇHM00, JC08a, KY07, Mar01, MP05, SBCZ08]. **off-centered** [MP05]. **Off-lattice** [KK05]. **off-line** [Mar01]. **off-shell** [ÇHM00]. **offline** [FFPW01]. **offs** [Oli01]. **OK1** [OSK04]. **OK2** [OKS04]. **oligonucleotides** [BSB02]. **OMEGA** [LANM⁺01]. **on-shell** [KM00a, KM01b]. **ON-SHELL2** [FK00]. **One** [BD02, Ker02, LKPH08, AIOST03, BS00a, BGH⁺09a, CTG01, De 02, Dev05, Eli05, GF02b, Har02, HJZL07, Inu07, KKK06, LHC01, LHC02, LSL07, MSD08, NN09, Nik03, Ots01, Ram05, RM05b, SW09, SGF03, SBD⁺06, SM02, TNI⁺07, WGDZ04, WC05, Wan06a, Yos03, Yos07, Zak06]. **one-** [HJZL07, Nik03]. **One-Dimensional** [Ker02, LKPH08, CTG01, Eli05, Har02, Inu07, LHC01, LHC02, LSL07, MSD08, Ots01, Ram05, RM05b, SW09, TNI⁺07, WGDZ04, WC05, Zak06]. **one-gluon** [KKK06]. **One-loop** [BD02, BGH⁺09a, NN09]. **one-nucleon** [AIOST03]. **one-parameter** [De 02]. **one-particle** [Dev05, GF02b]. **one-photon** [BS00a]. **one-step** [WC05, Wan06a]. **ONETEP** [HHM⁺09]. **onia** [DGSL09]. **Onion** [ML03]. **Onion-Peeling** [ML03]. **online** [EFG⁺00, Gre07]. **onto** [Rob01]. **open** [AdIT03, ABNÅ05, Bae04, EHHH06, ISSB01, JP09, MSB09]. **OpenDX** [SC04]. **opening** [BJ02, Del03]. **OpenMP** [CC00, Goe02, MGG05]. **OpenMP/MPI** [MGG05]. **operations** [AA00, AA01b, Ixa01, RF07]. **Operator** [Flo01, BFLW07, CvdEF⁺05, Cun09, CKA⁺09, CA07, EG09, GL02, GLP03, MK08, MM01, Ram10, vdEFL⁺02]. **operator-splitting** [GLP03]. **operator-variational** [MM01]. **operators** [GF02b, SFSL09].

Opportunities [Gun02]. **OPT** [RMMP02]. **optical**
 [ADS06, BB04b, CIC⁺03, CC09, CFJ09, GCD06, HTNFBS06a, HTNFBS06b,
 MSB09, MTZ00, MBC⁺09, NKSL05, NRDHB01, NY08, PCA⁺07, QCML03,
 RG05, TNBSF04, Wes07, Whi00, YC07]. **optical-properties** [MSB09].
optics [SWS⁺12, Tót08, FWP01]. **Optimal**
 [CJT06, GJT03, LFT03, SA09, VIV01, ZA01, NHS07, ZSdD⁺08].
optimisation [BBBD06]. **optimised** [ASH06]. **Optimization**
 [BJ05b, Goe02, SWC⁺03, BMSG01, Elb05, FEHC01, Iwa01, KPD06, KFJ⁺09,
 KPF03, LPC⁺00, MTJ02, OS04, PDL04, PL05, PAT⁺09, TLP04, TL06b,
 TL08a, VPP⁺12, WHCL07, WJW09, ZS03, ZS07, ZSdD⁺08, ZS08, Zim05].
optimize [LNV⁺09]. **Optimized**
 [BDM09, OMF02, Sch06b, SK08, FMN01, KT04, Van05a, WK02].
Optimizing [BH03, CW01, dS03]. **Optimum** [OD08, WMNS09]. **options**
 [TLP04]. **optoelectronic** [GCD06]. **Orbit** [BDBV12, Dev05, TEP00].
Orbit-based [BDBV12]. **orbital** [HLC08, KH09, Sim08, TKN⁺08].
orbital-dependent [TKN⁺08]. **orbital-free** [HLC08]. **orbitals**
 [BGH⁺09b, FGMT02, RF05b, ZF00]. **orbits** [PKPV02, VPK⁺01]. **ORCO**
 [SMSE03]. **Order**
 [GBTM07, SR09, WYX09, ACK05, AKZ00, BB04a, Blü00, CFMR08, CM02a,
 CBBJ02, CJK09, DR09, FMG00, HBMJ05, IVD03, JH09a, JPS⁺01b, Kol09,
 LVV04, LRI⁺06, LJ09a, LA09, MVJ09, MA04, MA08, MKS07, Poi08, Poi09,
 ISX05, SS00, SLMS06, Sim00, SVA01, Sim08, TB85, TB87, Tho04a, Tho04b,
 TK08, Van05a, Van06, WGDZ04, WHJ06, WYL09, ZWD05, vH06, vH07].
Order- [GBTM07]. **order-parameter** [HBMJ05]. **ordered** [NFS02].
ordering [JPS⁺09, NG02]. **Ordinary** [IHAR09, Ram05]. **organic**
 [HTL⁺03, MSY07]. **organisation** [SAU⁺04]. **organization**
 [NYH04, Ort00, RDS02b]. **organize** [Ort00]. **organized** [SOS01]. **orientable**
 [Huj05]. **orientation** [CGC⁺09, CFJ09, WMNS09]. **orientation-specific**
 [CGC⁺09]. **orientationally** [NFS02]. **Oriented**
 [Bre01, AGV00, Che05, DG08, DM07, FFS01, GGQ01, KLM00, QRH00, Wil09].
origin [Riz02]. **origins** [CT00]. **ORNL** [KN07a]. **ORNL-mathematical**
 [KN07a]. **orthogonal** [KK01, KTT02, WP00, ZF00]. **orthogonal-dimer**
 [KK01]. **Orthogonalising** [IBM03]. **Oscar** [Ano04c]. **oscillating**
 [CM02b, DKC08, PAS09]. **oscillation**
 [HLW05, HKL⁺07b, Ida02, NFS02, Wei02a]. **oscillation-free** [Ida02].
oscillations [BD06, Dan05a, Dan05b, DS06, Dan07]. **oscillator**
 [DD00, DO04, DO05, DSC⁺09, EKW09, GME06, HL08b, HB05, MAM04,
 MAM07, SOYN01, SDNR05, You09]. **oscillators**
 [DDFI09, Fra02, TY01, Van05b, WYL09, Wu10, YWYF09, YT01b].
Oscillatory [BZ00, AA00, AA01b, FBB01, Fra07b, HSSA01, Ixa01, IP01,
 Kim03, KSHP02, KCH00, KG07, Sau00, UNK12, Van05c, WYX09]. **Other**
 [BOPC05, BC07]. **OTI** [Elm09]. **out-of-core** [BVY05]. **output**
 [BC07, Gha05]. **overdamped** [Gen01]. **overlap** [BFLW07, CvdEF⁺05,
 Cun09, CKA⁺09, CKLS09, GGL03, Jan05, KALC08, vdEFL⁺02].

overlapping [BM02b, BDH⁺05, CLFH07]. **overload** [ACC09]. **Overview** [BGLLW01, Oli01, KAB⁺00]. **oxidation** [LAF01]. **oxide** [HSSA01, LY05, LC08b, RJCH00]. **oxides** [KKKC07]. **oxygen** [LN01].

P [Kar01, Eas08, SW00a, WW05, Wan05b]. **P-stable** [SW00a, WW05, Wan05b]. **Package** [KS04b, Pog05, AF05, AAG⁺04, AGM⁺00, BS06a, BC07, BB09a, BS06b, dSB00, BBJ⁺08, BFB⁺09, BDH⁺05, CGC⁺09, CKS00, Che07, Dem03, Dem06, DGSL09, EHHH01, EHHH06, Fer07a, FK00, Fri01, Fro00, FTGG07, GKI02, Gao03, GKI04, GI09, GDC01, GKR07, GHIL09, HKM⁺07, HTNFBS06a, HTNFBS06b, HM06b, HHL06, Ixa02, JHFG07, KP00, KSYE00, KS84, KS08, KF05b, KVR⁺00, bLpL02, LL04, LAMH06, pLbL03, LRR⁺09, Lor08, LL00, MP04, MGPM07, MGYP08, MSB09, MP03, Mil06, Mil07, NFH06, Nik03, PFG06b, PZW⁺00, PTL04, Por00, Pue06, QxW07, RMMP02, SBM09b, SBM02, Sem09, SLBG09, Ste01, SC04, T6t08, Wan01, WCH09, dIRL09, vH06, vH07]. **packages** [BCV03, GKP⁺06, KPD06]. **Packet** [KRTZ02, BS04b, LJ01, Mei01, Sal03, ZWY04]. **packets** [Bow02]. **packing** [HSJ02, YZD⁺07]. **Padé** [FH04]. **Padé-approximants** [FH04]. **pages** [Hoo04]. **Painlevé** [XC03, qXbL04, qX08, qX09, ZLL09]. **pair** [AAC⁺06, BBC⁺01b, JWW00a, JPS⁺01a, JPS⁺01b, Kol03, KFI⁺01, Van05b]. **pair-production** [KFI⁺01]. **PALP** [KS04b]. **PANMIN** [TLP04]. **PANN** [MNY00a]. **Papers** [BDL00, Aok01]. **PAPH** [MNY00b]. **parabolic** [BV00, Fat02]. **paradigm** [HHWH07]. **paradigms** [TYS⁺00]. **ParaGauss** [MMR04]. **Parallel** [ATB⁺01, BSDMH05, BMG01, BSK⁺03, BVKW02, CR00, CW00, CC00, DN04, EVL00, Gol00, HC00, HL00b, Hef00, JKCGJ08, JRT00, LBP⁺09, LZS08, LHS⁺06, MP03, OPB⁺09, QR01, RP02, RJCH00, TF04, TEP00, Uhl03, WMK09, WM00, WTW04, WHL05, WH06, ZE00, Zie08, ABC⁺03, ABER00, ADBF03, AEB02, BAD01, BLCR05, BCAD06, BOG⁺07, BMS⁺09, BB00, BTK⁺02, BJ03, CSS⁺03, Cha00, CGIA07, CLL⁺07, CMT00, CMT01, DMD⁺07, Dec07, DPB01, Di 01, DUX⁺09, Dup01, Eli05, EKW09, FMD07, FDM07, Fel08, FKP03, FEHC01, FMN01, GBFS07, GBD03, HSGBK08, HCH⁺06, ICT01, JAT03, Jen00, JGJ09, KCC⁺00, KAB⁺00, KLD04, KM01c, KBG00, LCB⁺00, LPC⁺00, LCS07, LTG09, LR07, LLCS01, Li03, LC01a, LL00, MOM⁺00, MC08, Mei01, MB04, MT00, Nak07, Nak08, NJ00, iNKNV08, OLS⁺01, OSK⁺02, OCK⁺03]. **parallel** [OK06a, OK06b, OD07, ÖDÇ02, PHF⁺07, PSP⁺03, QRH00, Rap06, Ref00, RJFB08, SG00a, SM04, SM06a, SBM09a, iSAK⁺08, SKNV01, SKNV05, SWC⁺03, SBB03, SNBB02, TJD09, TRGR08, Tak03, TCY⁺08, TG00, TC06, TLP04, T6t06, ULA⁺02, VKPB09, VHLP09, WC00, WHO02, XON08, Yos01, Zha08, SVMT00]. **parallelism** [SPM00, TYS⁺00]. **Parallelizable** [CA07, Xia01]. **Parallelization** [CMF00, FKG00, RGR⁺04, SLWH02, WJW09, BS06a, Gao03, Goe02, MGG05]. **parallelized** [WHL⁺07]. **PARAMESH** [MOM⁺00]. **Parameter** [RPY07, AS03, Bre05, CNFR01, CGVA09b, De 02, DSHH05, HBMJ05,

KKK06, KMH02, PS09, SZ00c, YM03]. **Parameterization** [AGM⁺00]. **parameters** [Bar03, BDW06, FGA04, GMAN⁺07, GKM⁺00, HG02b, HM06b, HM08, IF03, LFT03, LANM⁺01, MS08b, NY06, WV04, qX08]. **parametric** [CGVA09b, CBMS08]. **parametrisation** [GSF06]. **parametrization** [VCCS05]. **Parametrizations** [RF08]. **paraxial** [AT09]. **parentage** [Dev05, DJ08]. **parity** [ACIZ07, GLL⁺02]. **parity-violating** [GLL⁺02]. **Parrinello** [CCFG05]. **Part** [HTM01, Ida00, PSK01a, PSK01b, THM01]. **ParthENoPE** [PCE⁺08]. **Partial** [Hoo04, MNY00a, MNY00b, FMG00, KS07, MTC07, SJP05, VBC07, qXbL04, YZW02]. **Partial-wave** [MNY00a, MNY00b, SJP05]. **partially** [BSTC05, LB04, Sle00]. **Particle** [BTS06, CPS00, CH09, KCR07, iSAK⁺08, SWFL00, ZM00, ZLM04, ABR012, BDYK04, BDV04, Che05, CY01, DC03, DDM06, Dec07, Dev05, DJ08, DKM07, DEW01, EL04, FMD07, Fod05, FS08, GFF01, GF02b, GPW04, HKLY07, JH09a, JJHvO03, JS08, KLD04, LC01a, yMS01, MY00b, Man04, Mel05, MAM04, MAM07, MK09, NT05, NKV03, OD07, PCC01, PSP⁺03, Poi08, Poi09, Pop03, Por03, RvOvV02, SLL01, SBB03, SS02b, SS05, TFM09, TC06, TE05, Tom09, UOM01, UOTM03, VPCK04, VKPB09, Vbfd01, WTH⁺04, WGL06, WRMG05, Esi01, KPL07, TCY⁺08, TDD04, VAH04, VCF⁺04, WJW09]. **particle-based** [MY00b]. **particle-continuum** [VPCK04]. **Particle-in-cell** [CH09, BDYK04, Dec07, EL04, FS08, HKLY07, JH09a, KLD04, LC01a, PSP⁺03, Poi08, Poi09, SLL01, UOTM03, VPCK04, Esi01, KPL07, TCY⁺08, TDD04, VAH04, VCF⁺04, WJW09]. **Particle-In-Cell/Monte** [KPL07]. **Particle-in-Cell/Monte-Carlo** [WJW09]. **Particle-inspired** [CPS00]. **Particles** [HAA07, Bar04, CMD00, DHBE05, JKKT00, KH06, LMM⁺08, MDM05, RSMK⁺00, Str01a, TT06, WLR⁺08, WV04, YZD⁺07]. **particular** [AKZ00]. **particulate** [BC00]. **partition** [JK02]. **Partitioning** [SBB03]. **Parton** [KSS06, SR09, ABB⁺09, BBB⁺09a, CPW09, CS02, Sul05, Vog05, Wei02b, KKIS01]. **Paschen** [LSL07]. **past** [Ano02a]. **Path** [CC08, GOG00, MI05, SVMT00, KM05, Krö05, MG09a, Rdff02, ZE00, vE08]. **Path-Integral** [SVMT00, MI05, KM05]. **Pathfinder** [Nak07]. **paths** [Pet04]. **Pattern** [OGG07, Yan03a]. **patterns** [BBC⁺01a, CLFH07, DG08, Gro01, YB02a, Par04]. **Paul** [Wan00]. **Pauli** [ZF00]. **PAW** [HTM01, THM01]. **Pb** [BNS07]. **PC** [FKP03, LC01a, iSAK⁺08]. **PC-based** [FKP03]. **PCs** [Tak03]. **PDE** [FS00, KMH02, XC03]. **PDEs** [BBBD06, LJ08, LH01, PMG07, qX08, qX09, ZLL09]. **PDSW** [VS06]. **Peaceman** [Mah08a]. **peak** [CC09]. **pedestrian** [NHS07]. **Peeling** [ML03]. **Pegasus** [Vog05]. **pellet** [BDB⁺08, SJCM04]. **penalized** [Lor08]. **Penning** [CBKM01, CKV04]. **peptide** [KPF03]. **peptides** [LPC⁺00]. **perception** [Man02]. **percolating** [MDS09]. **percolation** [HClK00, NLC09, Sat02]. **Performance** [De 07, FDM07, FEHC01, SvAS01, SHT08, BDK⁺06, BMS⁺09, CD05, COE⁺05, CBM⁺05, KAB⁺00, MPR05, MC08, PPM04, PAT⁺09, SBD⁺06].

performing [CGC⁺09, KFJ⁺09, SGL09]. **peridynamics** [PLPS08].
Periodic [MNV00, AJT⁺07, ASVA00, AK07, CY01, DWZS05, Dol01, FSW08, FBB01, HL00c, LÁT04, PKPV02, SVA01, SSLN02, THM01, VPK⁺01, WW05, Wan05b, Wan06b, Yan02, YT01a]. **peristaltic** [SGK09]. **permanent** [DC00, FM03]. **permanental** [HLB06]. **permanents** [LB04]. **Permutation** [RLH⁺09]. **Permutation-reduced** [RLH⁺09]. **persistence** [ISSC01].
personal [Cip07, Cip08, Hib01]. **perspective** [Haf07]. **perspectives** [EL04].
PERSYS [Riz02]. **perturbation** [Dzu09, LRI⁺06, LIR⁺06, ZSD⁺08].
Perturbative [SR09, CS02, HS03, NFS01b]. **perturbed** [Fra02, Van05b, WYL09, Wu10, YWYF09]. **petabyte** [Ano09t]. **PetaFlops** [Att09]. **PETAG01** [BDB⁺08]. **petawatt** [KDSB04]. **Petter** [Hoo04].
Petviashvili [LL08]. **pH** [CCD07]. **ph/0411186** [AAB⁺07]. **PHANTOM** [BBB⁺09a]. **phantoms** [KN07a]. **Phase** [Bur02, HBW05, KEM⁺01, KS01, NT05, NW02b, Ots01, PRSB08, Ple02, SSLN02, Tat07, TL09, VMMB02, AGJJ07, Bae03, Bar03, Bin02, BHM⁺07, BDHP08, CCK08, CBBJ02, DKC08, DC05b, FHR⁺05, GHPS04, JK02, JS05, JBS08, KM00a, KM01b, Kim07, KK01, KITK00, KK05, LJ01, Liu07a, LDZ⁺08, LA09, MCH02, MBG03, MSS⁺09, MSK⁺05, Mor01, Pap01, PAS09, PP02, Pur02, RP02, RLH⁺09, SWL09, SI01, SW00b, TMTF00, Tsa02, Van05c, YGT⁺02, Yok09, Elm09]. **Phase-field** [NW02b]. **phase-fitted** [PAS09]. **phase-lag** [Van05c]. **PHASE-OTI** [Elm09]. **phase-separating** [Pur02]. **phase-space** [DC05b, GHPS04, Pap01]. **PHASECALC** [Bar03].
phases [KPS⁺01, MVS05, RCG05]. **PHEGAS** [Pap01, CPW09].
phenomena [ABOSPG09, All05, BJ08, BL00, BMML05, DDM05, DDMM06, GH01, IN09, MPK00, MYJY01, Mü05, MKM02, PCF05, SAG⁺02].
phenomenology [GHIL09, LPC⁺04, LCE⁺09]. **PHON** [Alf09]. **Phonon** [HKK⁺01, Yos03, Yos07]. **Phonon-band** [HKK⁺01]. **phononic** [SSPM05].
phonons [Alf09, Sri01]. **phoretic** [KH06]. **phosphodiesteric** [BSB02].
phospholipids [EL06]. **phosphonate** [BSB02]. **phosphorus** [Mor01].
Photo [MSH01, Ano07f, Ano08d]. **Photo-induced** [MSH01].
photoabsorption [GCP⁺02]. **Photoelectron** [Vég04, GSSN00, Jia08].
Photofragment [ML03]. **photohadronic** [MER⁺00]. **photoinduced** [IN09].
photon [BS00a, BvG02, CGK⁺00, EST00, HGH⁺05, KFI⁺01, Nik03, VS06].
photonic [SHX02, SYM00, WP00]. **photons** [DDM07, LYL07]. **photos** [GKP⁺06, GKP⁺06]. **Phys** [AA01b, AAB⁺07, CSC⁺08, CGG⁺09, CGVA09a, DVL⁺04, Hon04, Ida03a, Ixa01, JKW06, KS08, LPR04, MSHP20, Nat10, Poi09, Ras17, Tho04a, Tho04b, TND05, TIM08, Voi03, WA07, Yos07].
Physical [Mey02, Mel01, WSB04, Yep02]. **physically** [RGR⁺04].
physically-based [RGR⁺04]. **Physics** [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, Ano09b, BBC⁺01a, BDL00, DH01, FNR⁺07, FGV01]. **Physics** [Fij00, GDAG05a, KM01b, Lan07, MOS01, New07, Ram10, SM06a, TS08, Wu10, ABM03, ASJ⁺03, Ano04b, Att09, BvG02, Bor07, Bra05, CRS01, CMR01, Cra01, Esq02, FS00, Fod05, GT01, GGL⁺02, GPW04, Gou00, Gre04, GMO03, HF00, HS01b, JS08, KB02, Kud09, LJV09, LL07, Mah09b, Mah09a, MT01, MSK⁺02, Nov02, OLX07, Pin01, RM05a, Rin02, Sak07, SEF⁺01, SAG⁺02, Suz00, Swe02, SC04, TA00a, TA00b, Tho01, Yan03c, BMS⁺09]. **PHYSics/scale** [BMS⁺09]. **PhysicsGP** [CB05]. **physiological** [ZS07, ZS08]. **PIC** [AH03, CSC⁺04, DN04, DBR⁺02, JBA⁺07, LSL07, LKPH08, MIM⁺07, SLL01, SG04b, WCG04, WHL⁺07, YRR07]. **PIC-DSMC** [CSC⁺04]. **PIC-FEM** [WHL⁺07]. **PIC-hydrodynamic** [LKPH08]. **PIC-MCC** [LSL07, MIM⁺07]. **picket** [LC08a]. **picture** [KS04a]. **Piecewise** [Ram04, Dem03, IH09, IHAR09, ZA01]. **piecewise-linearized** [IH09, IHAR09]. **Piezoelectric** [HM06a]. **piezothermoelastic** [Mel01]. **pilot** [AAKL07]. **PIMC** [Müs02a]. **PIMD** [Müs02a]. **pinch** [Pet04, RG04]. **pinches** [SBL⁺04]. **pioneering** [Ano04b]. **pipe** [QR01, QG04]. **pipeline** [SIE04]. **pipes** [DM09]. **Pitaevski** [CPS00]. **Pitaevskii** [DC07, MA09, TQZM08, TS06]. **pitchfork** [Bal01]. **pitfall** [Nap09]. **pits** [NY06]. **pixel** [QTMH07]. **planar** [MDT03, Var02, YKK07]. **Planck** [ABSM04, CBKM01, KA04, yMS01]. **plane** [ADDdM07, BK05a, BVKW02, CR05, DEW01, GSS06, GBD03, HTA08, MMB02, MSHP02, MSHP20, THM01, VKM⁺05]. **plane-wave** [CR05, MSHP02, MSHP20]. **planes** [MS05b]. **planewave** [ADS06]. **plans** [McK07]. **Plaquette** [Voi02, Voi03]. **Plasma** [MSY07, MIM⁺07, Ano04b, BBR04, Bre07, CHL⁺07, CLL⁺07, CH09, Del03, DBE⁺04, DUX⁺09, Gre04, HYY07, HKPL07, HJZL07, HL05, HHWH07, ISS⁺02, IDS⁺04, IL07, JKCGJ08, JTS⁺06, KPL07, KKS04, KCR07, KV07, Kon01, KTG04a, KTG04b, KZS⁺00, KDSB04, KT07, Lee04, LKPH08, Liu07b, LS05, LC01a, MV04, MCL05, OLX07, PHKL02, Pin01, PSK01a, PSK01b, RLRR06, Ram10, SBM⁺04, SGF04, SOAW08, SHJ07, SSB04, SZ04, SBBM04, STK⁺00, TLCS04, TAM04, UXD⁺09, VAH04, VCF⁺04, VBFD01, VSBD00, WSB04, WML⁺05, WRC⁺04, Yan09, YRR07, ZSK⁺04]. **plasma-edge** [SBM⁺04]. **plasma-wall** [HYY07, KT07, MV04, SZ04]. **plasma-wave** [MCL05]. **PLASMAKIN** [Pin01]. **plasmas** [ATIO06, ATF⁺09, ABSM04, ASC⁺05, BF04, BDBV12, DGV08, GFP00, GBFS07, GH01, HD04, HOI04, HW09, KY07, KA04, KMR⁺09, KSSH04, LYL07, yMS01, Mah08a, Man04, NYH04, PPP01, PCV06, SV01, SG01, TPBE04, TKP06, TDD04]. **plasmastatics** [Bru00b]. **plasmoid** [SKRK04]. **plastic** [SM06b]. **plastically** [Cle05]. **plate** [Var02]. **platform**

[AAKL07, BAD01, Far01, KKHL07]. **platforms** [CR00]. **Plato** [KH09]. **PLD** [SMS⁺00]. **PLNoise** [Mil06, Mil07]. **plotting** [NY06]. **plugin** [BBB⁺09b]. **plume** [CSC⁺04, KTG04b]. **plume-to-spacecraft** [KTG04b]. **PLUMED** [BBB⁺09b]. **plus** [AIOST03, HSGBK08, LMP⁺09]. **PMCD** [MP03]. **PML** [VAH04]. **PMS** [CFH⁺01]. **Podolsky** [DDM07]. **Point** [KBG00, Tör00, AGJJ07, BCV03, DS04, HDG07, MPR05, NN09, RF05b, RF06b, Str00, TNI⁺07, TMN01]. **Point-centered** [KBG00]. **points** [FBB01, HP02, KSS02, She08]. **Poisson** [KHÖ01, AS00, Con04, DHB⁺04, Dys02, Eli05, HCH⁺06, LdVJ06, Li03, LY05, MS05a, NT04, NJ01, QR01, QG04, TPYV03, XON08, Zie04]. **polar** [GVMW04, SGL09]. **polarisabilities** [QCL05]. **polarizable** [DDD⁺01, SLBG09]. **polarization** [MPR05, YvG05]. **polarized** [ACIZ07, NY07, Vog05]. **POLE** [Con04]. **polyalanine** [YD06]. **polyanions** [SSH01]. **polyatomic** [BSS09, RMLB01]. **Polychromatic** [BCP04]. **polycrystalline** [SKH02b]. **polycyclic** [EYJ07]. **PolydGpdCp** [Ger07]. **polydisperse** [CGG00, SWY01, YW00]. **polyelectrolytes** [LH02]. **polyethylene** [FAiTD01, Ryc05]. **polylogarithms** [GR01, GR02, Mai06, VW05]. **polymer** [BMML05, CW01, FS01b, FS02, KMB02, KSEG05, LS02, LOY07, LS09, MB05a, Mü102, MPS09, PRSB08, ULA⁺02, WBC⁺07]. **polymeric** [Krö05]. **polymerization** [BJ02, ISS⁺02, MSH01]. **polymers** [BLS09a, CCFG05, CNDC09, CCRA05, DCNDC09, GGL⁺02, LC07, TiTD01, The05, VYK02, vdHBP⁺02]. **polynomial** [ASF⁺05, KTL05, KTT02, PSH06, UCG⁺05, UNK12, Vak00]. **polynomials** [HLB06, KT04, Str00]. **polystyrene** [LM02b]. **polytope** [vHK00]. **Polytopes** [KS04b]. **Pomwig** [CF02]. **Poor** [CFH⁺01, LH02]. **PopRatio** [SV01]. **population** [VPP⁺12]. **population-based** [VPP⁺12]. **populations** [SV01]. **pores** [BDHP08, DN05]. **porous** [BBD00, JOS07, NSYZ02, PPM04]. **portable** [BBB⁺09b, GDC01, LL00, OCK⁺03, Ref00, SKNV04]. **portal** [BLCR05]. **Porting** [EL04]. **Pöschl** [MS08b]. **posed** [RMWH01]. **positive** [FM03, LCPC04, SJP05, Sea02a]. **positron** [BPP01, SBM09b, WCBN05]. **positrons** [SJP05]. **possessing** [PSK01a]. **possibilities** [McK07]. **possible** [TIM07, TIM08, Var02, Vul03]. **post** [Pue06]. **post-Newtonian** [Pue06]. **postprocess** [BC07]. **postprocessing** [LB09]. **potassium** [KACB07, YN05b]. **potential** [APV00, ATP01, ADS06, Ber03b, BFLW07, CCBL02, CGG⁺08, CGG⁺09, CW01, DVL⁺02, DVL⁺04, FAiTD01, HG02b, Hin00, IK00, LRI⁺06, LPC⁺00, LF02b, MS08b, MAM04, MAM07, OS03, PJK00, PAT⁺09, Riz02, SN07, SG04b, TAP01, TT06, TYSH05, WL00, XSC09, Zak06]. **potentials** [APV00, ASH06, AMP⁺00, BVY05, CW00, FHR⁺05, HSS⁺08, IBM03, KM08b, MBG03, NW02a, ON08, OPO⁺08, PS08, SŽ00a, Sea02a, SSLN02, TKN⁺08, Val05, Vie01]. **POTHMF** [CGG⁺09, CGG⁺08]. **POTLIB** [DVL⁺04, DVL⁺02, DVL⁺04]. **Potts** [BBJS09, BKB02a, BKB02b, CBBJ02, CGIA07, HJ02, KSS02, TL09, dO09].

power [Mil06, Mil07, NV09, RDSS01a]. **power-law** [Mil06, Mil07]. **pp** [Wan00]. **PPA** [TKK⁺06]. **PPA_4b** [TSA⁺03]. **Practical** [FJC⁺05]. **pre** [Ano01n, Elm09]. **pre-attentive** [Ano01n]. **pre-equilibrium** [Elm09]. **Precise** [Mic07, PR06, TI01, Bru00a, CCGR09, HTNFBS06a, HTNFBS06b, KF05a, SW09, Zak06]. **Precision** [CCG08, BBD⁺09, FS01a, HDG07, JWW00b, KS05, LMC⁺03, TNBSF04]. **Preconditioned** [GHP01, Lüs05, Xia01]. **preconditioner** [HZGZ09]. **preconditioners** [CHS09, SBD⁺06]. **preconditioning** [ADG08, GH00, UJSW06]. **predator** [TRAdO09]. **predator-prey** [TRAdO09]. **predict** [Gha05]. **Prediction** [TiTD01, BK05c, GOH06, HCH⁺06, KPF03, SvAS01]. **predictions** [BL00, Bre05, CSC⁺07, CSC⁺08, GPW04, Oka01]. **Predictive** [NK07]. **Preface** [Ano00-27, Ano01-30, Ano04-47, AEK02, BDL00, FMP05, Gia02, GCI01, KL07b, LF02a, MG08a, PR01]. **preliminary** [BK01]. **Prelle** [DDdMS02]. **preparation** [Cap05]. **presence** [KDSB04]. **present** [Ano02a]. **Presentation** [Ano04a]. **preserving** [CLR08, HL00c, LB04]. **pressure** [BBD00, CS07, CHM⁺09, HTA08, HJZL07, IL07, LHS⁺09, Lei02, LDZ⁺08, MLG⁺01, MC09, Mor01, NV09, PDM⁺08, QP05, Var02]. **pressure-dependent** [MLG⁺01]. **pressures** [BNS07, KRTZ02]. **prey** [TRAdO09]. **primordial** [PCE⁺08]. **principal** [HB05]. **principle** [RG05, Tsa02]. **principles** [AJT⁺07, Ano09a, CR05, CM02a, CTI07, EYJ07, FG04, GBTM07, Har01, KKKC07, LN01, LDZ⁺08, MCBR03, MSK⁺05, Mor01, NKSL05, WKP⁺01, WC00, dSdSW08, vdHBP⁺02]. **priori** [DVG05, TIM07, TIM08]. **Prize** [Ano04-56, Ano04-57, Ano04b]. **PRMAT** [SNBB02]. **Probability** [Lik01, Man04, BH08, FPB08, FFD00, RF08, Sev00, SSZ01]. **probe** [CS07, NSKS01]. **problem** [AMP⁺00, Bae03, Bal07, BD08, BL00, BV00, Bru00a, CRUV00, CGVA09b, FGF03, GHP01, HBW05, Huj05, JC07, JS08, KNU00, KZS⁺00, LVV07, LC00, Man02, MMR04, MNH01, MP01b, SHV⁺01, SZ00b, She08, SGM⁺09, TNI⁺07, VBFM05, Wan06b, WWF08]. **problem-orientable** [Huj05]. **Problems** [IHAR09, ASJ⁺03, ASVA00, AKS01, BJ05b, BKM02, CFKM01, CL03, DSH03, DTHL09, FS00, FBL00, Fra07b, HCIK00, Huk02, KSTL03, LVV09, LMC⁺03, LCHJ09, LJ09a, MT01, MVJ09, MLF07, OS00a, PAS09, Ram04, Ram05, RM05a, RMWH01, SVA01, SVA03, Sim08, Van05c, Var08, WW05, Wan05b, Wen01, WDHE04, Zim02, Zim05, dA08]. **procedure** [Fat02, IF03, LVV07, MVS05, MC09, PRBD09, Tam03]. **procedures** [FIBT01, FIT03, Fri09, GFF01, GF02a, GSF05, IFF01, PFG06a, TLP04]. **Process** [BFL⁺01, PK01, BDT00, Con04, GDC01, IF03, NFS01a, QTMH07, SVP09, SOAW08, ZSdD⁺08]. **processes** [AS00, ABB⁺09, Bar00, CPW09, CZC00, Ida02, KDSB04, MER⁺00, NFS01b, RS00, WSB04, Wen01, WCG04]. **Processing** [LSVMW08, AGS07, BBB⁺01, CDD08, CR00, DDMM06, Di 01, EFG⁺00, FEHC01, MIM⁺07, Rap06]. **processor** [CGK⁺00, De 07, MBKJ09, PKB⁺01, REAB09, SHT08, vDGM⁺09].

processors [BOG⁺07, CR05, Far01, Oli01, ULA⁺02, ZA01].

PROCRUSTES [Pue06]. **produced** [GFP00, HD04]. **product** [Kim03, Tos08, WS09b]. **production** [Abe01, Ano03h, AAC⁺06, BBC⁺01b, BvG02, CDEW04, CWW06b, CWW07, DDRW03, JWW00a, JPS⁺01a, JPS⁺01b, Kol03, KFI⁺01, Por03, Tom09, TSA⁺03]. **products** [GRR01, VC08]. **PROFESS** [HLC08]. **profile** [CP00, KNY05, RLRR06]. **profiles** [BS08, KMR⁺09, NY06, ZDKG05]. **progeny** [LC01b]. **Program** [Ano01-31, Ano01-32, Ano01-33, Ano01-34, Ano01-35, Ano01-36, Ano01-37, Ano01-38, Ano02y, Ano02z, Ano02-27, Ano02-28, Ano02-29, Ano02-30, Ano03-36, Ano03-37, Ano03-38, Ano03-39, Ano03-40, Ano03-41, Ano03-42, Ano04-48, Ano04-49, Ano04-50, Ano04-51, Ano04-52, Ano04-53, Ano04-54, Ano04-55, Ano05-46, Ano05-47, Ano05-48, Ano05-49, Ano05-50, Ano05-51, Ano05-52, Ano05-53, Ano06-28, BB09a, BJS00, BB09b, GFG01, GLHW01, KW08, APV00, AP04, AdIT03, Alf09, All02, AOT01, AJ08, AC05b, ASS⁺02, AAC⁺06, Bar04, BBC⁺01b, BS03, BDW06, BBPS02, BBPS07a, BBPS07b, BCP04, BD05, BCG03, BDB⁺08, BGH⁺09a, BRdAHK04a, BBJW05, BM04, BKM05, BOPC05, BD06, CCGR09, CP00, CGG00, CD01a, Cha07, CRUV00, CGA⁺07, CGVA08, CGG⁺08, CGG⁺09, CGVA09a, CGVA09b, CS02, Cip07, Cip08, Con04]. **program** [DS06, Dan07, Dan09a, Dan09b, DDM07, DDRW03, Dev05, DJ08, DD00, DO04, DSC⁺09, DSS01, Dra01, Dy09, EÅ01, EÅU05, EH06, Fel08, FT08, FBL00, FFD00, FFG02, GFG⁺06, GSM⁺03, GS01b, Gro01, GG03, GNZ⁺09, HHH⁺09, HS03, HC08, HHW00, HLC08, HB05, Hor09, IW01, IW02, JWW00a, JPS⁺01b, JK08, JU09, JG02, JC01, KTT09, KS84, KS08, Kol03, KJ04, Kol09, Kon02, Mah08b, Mah09a, MCLDP01, MFF⁺05, MR06, MW01, MMR04, MSK⁺05, MPK00, MFVJ07, MS09, NY06, NY08, OK06a, dIRBPL09, PS08, PKRK07, Pit05, PAT⁺09, Por03, Ref00, RSD01, Riz02, Sar00, SV01, SCM00, SGL09, SYM00, Ste01, SDNR05, SJF07, SNBB02, TKB⁺04, TV07, TS06, TNBSF04, TNCG00, Tót08, UCG⁺05, VCCS05, VS06, WGDZ04, WP00, WW06, ZF00]. **program** [ZDKG05, CGG⁺09, CGVA09a]. **programmable** [KPD06]. **Programming** [CB05, LL07, TS08, BDK⁺06, BSO⁺04, Chr00, Iwa01, MRF⁺05, Niu00, SHH⁺04, WMK09, ZA01, Hoo04]. **Programs** [BRD04, FH04, BC07, JKW00, JKW06, MA09, PSW00, Ver00]. **Progress** [DSL09, OS00a, NP01a]. **Project** [BCP04, Yos00, CFH⁺01, BHNW01, GI01, Mak01]. **projection** [DTHL09, MI05, Rob01, SFSL09]. **projector** [BVKW02, FM00, HTM01, THM01]. **projectors** [RGD⁺01]. **prolate** [Hua09, KJ07, LKC06]. **prolates** [LB09]. **Prompt** [Teh01, VT00a]. **proof** [BLS01]. **proof-of-concept** [BLS01]. **propagating** [Mah08a]. **propagation** [BS04b, BBBR04, EM08, FW01, HGH⁺05, HJZL07, HL05, JC08a, JTS⁺06, KV07, LCB07, MN01, MP01b, NN06, SLMS06, SSB⁺09, SWP03]. **Propagator** [Bow02, BH07, CA07, WP06]. **propagators** [FJC⁺05, Ixa07a]. **propBG** [CP00]. **propelled** [BA09]. **properly** [MMMM00]. **properties** [ADS06, Ano09a, BM01, CIC⁺03, CTSZ07, Dup01, FKMB09, GZDA01,

JRT00, KMD⁺02, Kar02, KFB01, Lee04, LH02, MSB09, NKSL05, PMH08, PJSK08, RG05, RS09, SG00a, SM04, SM06a, SBM09a, SGK09, TiTD01, TY01, Vie01, WRN01, YC07]. **property** [CTI07]. **proposal** [Bre05]. **protease** [CRPC08]. **Protein** [DLZ08, Oka01, iTKST01, DELG05, Elb05, ISH01, LV08, MMEH08, NSMO02, SSA07, SHH⁺04, WMNS09, WL08]. **Protein-DNA** [DLZ08]. **protein-g** [ISH01]. **proteins** [BDH⁺02, DC05a, EHHH01, EHHH06, LPC⁺00, MMEH08, SBJ05]. **protocols** [RDSS01b]. **proton** [CRS05]. **protonated** [GF02c]. **pseudo** [CCBL02, CMK⁺03, EVL00, HDG07, IBM03, KBV09, ON08, PL05, Bru04]. **pseudo-arclength** [KBV09]. **pseudo-dynamics** [PL05]. **pseudo-fermions** [CMK⁺03]. **pseudo-potentials** [IBM03, ON08]. **pseudo-spectral** [CCBL02, EVL00, HDG07]. **pseudobinary** [Bar03]. **pseudopotentials** [HP06]. **pseudorandom** [DH00]. **Pseudospectral** [LKC06, ABOSPG09, ICT01, NJ01, YZW02]. **Pt** [PLL07]. **Public** [PCE⁺08]. **Publisher** [Ano01-39, Ano03-43, Ano03-44, Ano06-29, Ano07-29, Ano07-30, Ohl04, Pub07]. **publishing** [GDC01]. **pulse** [Gha05, KDSB04]. **pulsed** [CM02b, KHIL07]. **pulses** [BBBR04, BDV04, HW09, KS04a, Kur02, NY07]. **PUPIL** [THC⁺07]. **Pure** [GF02b, CM02b, GFG01, Nap09]. **purpose** [ASS⁺02, CPT⁺01, FS00, FWP01, IOM00, Jad00, Jad03, Mak01, OK06a, iSHS⁺08, SMS⁺00, SHI02, SHH⁺04, SIE04]. **Pushing** [Sor02]. **PWBA** [Cip07, Cip08, Cip09]. **pwpaw** [THM01]. **PWT** [KT07]. **pyramidal** [WHJ06]. **pyroclastic** [COE⁺05]. **PYTHIA** [KRW03, SMS08, SS02a, BLS01, SEF⁺01]. **Python** [Bor07, MMEH08, Nil07b, Nil07a].

Q [FKG00]. **Q-Chem** [FKG00]. **Q2R** [Sta00]. **QCD** [All01, BR01, CC04, CAF⁺03, CvdeF⁺05, CKA⁺09, DS04, Dür09, EFH⁺07, FKP03, FJC⁺05, FHW⁺01, GL02, GHLW03, GH00, HS03, HvHHM09, JS06, JPS⁺09, JU09, KKK06, KSS02, Lüs04, Lüs05, MSS⁺07, OS04, Vog05, Yos01]. **QCD-** [Vog05]. **QCDD** [vdEFL⁺02]. **QCDINS** [RS00]. **QCDOC** [FMD07, FDM07]. **QCMPI** [TJD09]. **QDENSITY** [JDBT06, JDBT09]. **QM** [GSM⁺03]. **QM/MM** [GSM⁺03]. **QMC** [FM00]. **Qprop** [BK06a]. **QQ** [DGSL09]. **QQ-onia** [DGSL09]. **Quadratic** [Zah05, LLY07, ZA01]. **Quadrature** [Kim03, AA01a, AAP03, FKAM05, Hin00, IP01, KTT09, KD09, MKK05]. **quadratures** [Del08]. **Quality** [FGV01, KMZZ05]. **Quantification** [ISS⁺02]. **Quantitative** [HF06]. **quantities** [Blü04, GFF01, GG03, MS06]. **Quantized** [SVS01, Har00]. **quantizing** [Zha01]. **Quantum** [AGS07, BDT00, Bes02, Bro00, DHMD00, DC05b, GPW⁺09, JDBT06, KK01, KS04a, LJ01, Nil07b, PMV02, SYN01, SHT08, VK09a, Voi02, Voi03, Yep02, ZKASS05, ABNÅ05, ABD⁺05, Bac02, BDLT02, BC05, BTK⁺02, Bow02, BDM09, BNSY02, CN01, CRPC08, CA09, CHP04, CA07, DDM05, DDMM06, DMD⁺07, DD01, DB08, Dun05, EMJH03a, EMJH03b, Fer07a, FSK04, FHR⁺05, GCK02, GF02c, Gol00, GPT08, Haf07, HSSA01, HSGBK08, HL00b,

HB05, JC07, JC08b, JDBT09, KM05, KM01d, KM03, KN07b, LVLS01, LLV⁺⁰¹, LLT⁺⁰², LCV06, LLLZ01, MSS00, Mam08, MP08, MWA01, MGG05, Mey02, MI05, MK05, MA06, Moh08, MP05, MM01, OSK⁺⁰², OMF03, OGKL02, PZW⁺⁰⁰, PRBD09, PCYC02, RF05a, RF06a, RF07, RF08, Ram03, Rdff02, RS09, RCG05, SCM00, SGL09, Suc02, Suz00, TJD09, TYSH05].

quantum

[TNCG00, TDD04, Tót08, VK09b, VT00b, VT00c, Vos06, WHJ06, WWF08, WDHE04, WV05, Wil09, YB02b, dSL02, RF05a, RF07, Vio04, Wan00].

quantum-number [MI05]. **quark**

[BH07, CKS00, JWW00a, Kol03, OvSA02, TSA⁺⁰³]. **quarkonium**

[DGSL09]. **quarks** [BDF⁺⁰⁸, KMP09]. **Quarteroni** [Sha04]. **quartic**

[TY01, TYSH05, YT01b]. **quartz** [HM06a]. **Quasi**

[Sch04, BFL04, HTM⁺⁰⁸, KL06, LDZ⁺⁰⁸, MT00, PSH06]. **quasi-bound**

[MT00]. **quasi-error** [KL06]. **quasi-harmonic** [BFL04, LDZ⁺⁰⁸].

Quasi-Monte [KL06, Sch04]. **quasi-polynomial** [PSH06].

quasi-temperature [HTM⁺⁰⁸]. **quasicrystals** [Gro01]. **quasilinear**

[FMG00, Kon01]. **Quasilinearization**

[KM03, KM06, KM08b, MT01, KM01d, Ram04]. **quasiperiodic** [HL00c].

quaternary [Bur02]. **quaternionic** [JC07, JC08b, WWF08]. **qubit**

[RF05a, RF06a, RF07, RF08]. **QUBIT4MATLAB** [Tót08]. **qubits**

[PMV02]. **quenching** [RCGC00]. **Quickstep** [VKM⁺⁰⁵]. **quiet** [ZSD⁺⁰⁸].

QWalk [MP08].

R [PKKM02, Ton07]. **R-CCSD** [PKKM02]. **R-matrix** [Ton07]. **R1**

[HKM⁺⁰⁷]. **Racah** [Fri09]. **Rachford** [Mah08a]. **RacoonWW1.3**

[DDRW03]. **radar** [FKMB09]. **RADCAP** [Ber03b]. **Radial**

[OIKN02, WDB04, CGA⁺⁰⁷, CGVA08, CGG⁺⁰⁸, CGG⁺⁰⁹, CGVA09a,

DGSL09, Dy09, HB05, KTT09, SMSE03, Sea02b, Sim09, TD03, UK02a].

Radiation [MK05, AGM⁺⁰⁰, BP08a, Leh00, Maz00, PP09, RtVR09, RMK05,

SVP09, SJHY07, WSB04, WCBN05, dA08]. **radiative**

[ACIZ07, HD04, HvDJvdM01, Huj05, TI01, WH00, Wol03, WH05]. **radio**

[GB05]. **radioactive** [VS06]. **radiography** [KMCS01]. **radiological** [FFS01].

radix [Yam00]. **radix-2** [Yam00]. **radon** [LC01b]. **RAEEM** [LL04]. **railway**

[HMY⁺⁰²]. **Raman** [HS07, HW09]. **ramifications** [Luo00]. **ramified**

[SFSH01]. **Random**

[DGLB08, GG00, LBP⁺⁰⁹, SFSH01, ATB⁺⁰¹, Bel05, BBJW05, CLFH07,

CFJ09, CCRA05, FV02, HSJ02, HJ02, JH09b, Lad09, LCPC04, OTY02,

Pro00, RK05, Sch06a, SYN01, SSZ01, TL06b, WHO02, WH06].

random-bond [HJ02]. **range** [AL08a, BHL02, CM02a, CJC09, LOY07,

MBG03, MRS04, Mic07, NH09, PHF⁺⁰⁷, RD05, SYN01, SS05, Tat07, Val05].

ranged [CW00, WHL05]. **ranging** [MOC03, OMC00]. **ranlip** [Bel05]. **Rao**

[Kas00]. **Raphson** [Jam00]. **Raphson/log** [Jam00].

Raphson/log-derivative [Jam00]. **Rapid** [RB08, ZZ09]. **rapidity** [JPS⁺⁰⁹].

rare [GCP⁺⁰², GF02c, NW02a]. **rare-gas** [GCP⁺⁰², GF02c]. **ratchets**

[Rap02b]. **Rate** [MLG⁺01, BGJ⁺07, BBPS09, EST00, KK00, TSI02, ZS07]. **Rate-based** [MLG⁺01]. **RATH** [bLpL02]. **ratio** [HS03, QG04, UVLRRC09]. **rational** [DR09, SK08, VC08]. **ratios** [BBJS09, CFJ09]. **Ratip** [Fri01, KF05b, NFH06]. **ray** [Min01, MKJ⁺05, NRR01, Pop03, AGM⁺00, BB07, BSO⁺04, BG01, KMCS01, LZC⁺08, Sal03, Vég04]. **Rayleigh** [DMR01, DMR02]. **Rays** [Tol02]. **RBF** [TWY09]. **RBF/Elman** [TWY09]. **REACH** [MS09]. **reaction** [BS00b, CZC00, CRPC08, CGA⁺07, CGVA08, CGVA09a, DCJ07, MLG⁺01, XD08, vE08]. **reaction-diffusion** [BS00b, CZC00]. **reactions** [Ber03b, BG06, BTS05, Elm09, HYY07, SK05, Sri01]. **Reactive** [RFK08, Val05, FH00, HSGBK08, LCB⁺00, LJ01, MGG08, MN01, iKNV08, SCM00, VT00b]. **reactor** [KPL07]. **reactors** [STK⁺00]. **ready** [BAD01]. **Real** [KM08a, MGG08, BMSG01, Bun01a, DM07, FH04, FPB08, HSGBK08, HCO00, ICO03, MSHP02, MSHP20, MKM02, OSK⁺02, SCO00, SKNV01, SKNV05, SMH⁺01, Teh01, TB87, Tho04a]. **real-coded** [HCO00, ICO03, SCO00]. **real-space** [OSK⁺02, SKNV01, SKNV05]. **real-symmetric** [Bun01a]. **Real-time** [KM08a]. **realistic** [CYAS05, GCP⁺02, HKK02a, ZKASS05]. **reality** [TKS⁺01]. **reason** [BNSY02]. **reasoning** [Vég04]. **recall** [MHS05]. **Recipes** [Koc02]. **reciprocity** [GPT08, ISSB01]. **Recognition** [SKH02b, DLZ08]. **recoil** [Nat08]. **recoiling** [Wro08]. **recombination** [PNH00]. **reconfigurable** [Fra07a]. **reconnection** [BJ03, EFBP04, FS08, GBC⁺04, HOI04, UTO09]. **reconstructing** [BV00]. **Reconstruction** [Bat03, BG01, GGQ01, ISSC01, SF06, Teh01]. **record** [DH01]. **recoupling** [DK05, VF03a, VF03b, FIBT01]. **recovery** [ZS08]. **rectangular** [DM09]. **recurrence** [SHI02]. **Recursion** [LZ04]. **recursive** [KKS04, KTT02, MC03]. **REDACLE** [BCC⁺06]. **redox** [BTS05]. **REDUCE** [GKI02, GKI04, UCG⁺05, Vul03]. **Reduced** [Bac02, NGE⁺04, GF01, GBC⁺04, RLH⁺09]. **Reduced-dimensionality** [Bac02]. **Reducing** [HKP02, Bae03]. **reduction** [BGJ⁺07, Har00, MG09a, MG09b, NP00, Pis00, Wei02a]. **redundancy** [Man02]. **reevaluation** [TSI02]. **reference** [LRI⁺06]. **Refinement** [KNTG03, PM01, FS08, HCH⁺06, KKF⁺04, LOL06, MOM⁺00, Ros04, SJCM04, VAH04, VCF⁺04, WTW04, Zie08]. **refining** [LHS⁺06]. **reflect** [Nur04]. **reflectance** [SLC09]. **Reflection** [KV07, Ram10, WP00, Yan09]. **reflections** [Hib01]. **reflective** [CLFH07]. **regaining** [ZSdD⁺08]. **regarding** [Ano04-56, Ano04-57]. **regeneration** [KL01]. **regime** [CMS04, GHLW03, HS03, HW09]. **regimes** [YM03]. **region** [MNYY00a]. **Regional** [ADE⁺02, Org01]. **registers** [RF05a]. **regular** [BSDMH05]. **Regularization** [AG05, BK06b, DSHH05, RMWH01]. **regularized** [Cai09, DSH02, DSH03]. **reinforcement** [EM08]. **related** [ASVA00, AKS01, Lee04, SVA03]. **Relating** [SSA07]. **relation** [HJM02, KT07, LWY01, MSD08, Sus01]. **relations** [Blü04, Blü09, QCML03]. **Relativistic** [KF03, KF05b, OvSA02, AKZ00, AMP⁺00, AT09, BD08,

FFD00, FFG02, GZF04, JHFG07, Kon02, LKPH08, LS01, MMR04, MK05, ON08, PFG06b, She03, TP01, vdHKM08]. **relativity** [AG05, MG09c, Pue06]. **relaxation** [FFD00, LNK01, TCF00]. **relaxing** [Huk02]. **RELCI** [FFG02]. **release** [BCKT09, GKP⁺06]. **relevant** [WML⁺05]. **Reliability** [AAP03, AA01a]. **Reliable** [AA00, AA01b, Ixa01, CCRA05]. **relic** [BBPS02, BBPS07a, BBPS07b]. **Remarks** [Ano04-56, Ano04-57]. **remembrance** [Ano04-45]. **remote** [BCD⁺01, BK06b, DSH02, DSH03, DSHH05, FGV01, SEC04b]. **removal** [Hor09]. **Renner** [HC08]. **renormalization** [Alv09, CC04, FLO06, MI05, WN01, Zit09]. **renormalization-group** [WN01]. **renormalized** [PKKM02]. **reordering** [TC06]. **reorthogonalized** [BSTC05]. **REOS99** [FFD00]. **Replica** [PLS09]. **Replica-exchange** [PLS09]. **replicas** [HS01b]. **Reply** [AA01b, LHC02, WLW04]. **represent** [FA00]. **representation** [BDBV12, DBR⁺02, KKK06, Mas05, SHW01]. **representations** [De 02, GKR07]. **representing** [GFG⁺06]. **repressor** [CDF05]. **repressor-DNA** [CDF05]. **repulsive** [DKC08, LMM⁺08, Sea02a]. **required** [ADE⁺02]. **research** [ADE⁺02, LAMH06, TWY09]. **residue** [Nat08]. **Resistive** [SG01, Pet04, SPP⁺04]. **Resolution** [BW08, ABRS12, BVY05, BADC07, GKM⁺00, JC01, KKF⁺04, MMTH04, Ros04, WBDB04, ZDKG05]. **resolve** [YNK05]. **resonance** [BvG02, CLL⁺07, HD04, KS01, LCS07, VT00c, ZPB09]. **resonances** [BS00a, KBV09, KM00b, MMMM00, SBM09b, TSB⁺05]. **resonant** [Sal03, Wan05a]. **Resonating** [CYAS05]. **resources** [ADE⁺02, Ano09s, BLM01, CDH⁺06]. **respect** [AS03, CGVA09b]. **response** [AK03, FWP01, Liu07b, NP01b, NM01b, YG09, ZS07, Zha01]. **resulting** [Inu07, VS06]. **results** [All01, ACC⁺01, HDG07, Luo00, MCL05, MP05, Yos01, You05]. **retarding** [SG04b]. **retirement** [Bur01]. **retrieval** [OPB⁺09]. **Reverse** [OPO⁺08]. **reversibility** [ISSB01]. **reversible** [Sta00]. **Review** [Bre01, Hoo04, Koc02, Laf03, Par04, Sha04, Vio04, Wan00, Ano00a]. **Revised** [NFH06, AH03, FFD00]. **revision** [Ano00z, SM04, SM06a, SBM09a]. **revisited** [LIR⁺06]. **REVL** [BLS09a]. **Reweighting** [dSL02, VMMB02]. **RF** [Eli08, WJW09]. **rhad** [HS03]. **RHD** [DPSG06]. **RHEED** [BD06, Dan05a, Dan05b, DS06, Dan07]. **RHEEDGr** [Dan09a]. **rheological** [DGR09, TiTD01]. **rheology** [HCO01, MDT03]. **RHIC** [BNO⁺01]. **Riccati** [IH09, Yan03d]. **Richard** [Koc02]. **Rideal** [LJ01]. **Riegeom** [Por00]. **Riemann** [MGYP08, SWFL00]. **right** [BV00]. **right-hand** [BV00]. **Rigid** [EE02, CCBL02, HSS⁺08, VPNW02]. **Rigid-body** [EE02]. **ring** [BJ02, Man02, NY07]. **ring-opening** [BJ02]. **ring-shaped** [NY07]. **rings** [Man02]. **Risebro** [Laf03]. **rising** [WGS00]. **Rjaseekar** [Par04]. **RKN** [Wu10, Fra07b, YWYF09]. **RKN-type** [Wu10, YWYF09]. **RLW** [Zak01]. **Robust** [GKM⁺00, Tót06]. **rods** [JBS08]. **role** [AFK⁺07, BK01, CRS01]. **Rome** [Org01]. **ROOT** [ADD⁺03, Ano09t, WCH09]. **Roothaan** [MW01]. **Rosen** [DDM07]. **Ross** [Bat03]. **Rostoker** [SJ02]. **rotating**

[ATF⁺09, CC07, TQ03, Yur02, ZZ09]. **rotation**
 [Goc04, KLTH04, LVH07, MT00, PFG06a, TKB⁺04]. **rotation-vibration**
 [TKB⁺04]. **rotation-vibrational** [MT00]. **rotator** [Bow02]. **rotor**
 [BBOY08, CCBL02]. **Rototranslational** [QCL05]. **round** [JC08a, WN01].
round-off [JC08a]. **Routes** [SBD⁺05, VEG08]. **rovibrational**
 [Bac00, CCBL02, CNMC09]. **rovibrationally** [LDBG08]. **RT3** [HC08]. **rule**
 [FKAM05, IP01]. **rules** [CD09b, HvHHM09, Kim03, QCL05, Sem09]. **Run**
 [ABC⁺01, BGLLW01]. **runaway** [EH03, SMSE03]. **RunDec** [CKS00].
Runge [VAMVR08, ASVA00, BT01, CFMR08, Fra02, KMS09, MVJ09,
 PAS09, Van05a, Van05b, Van05c, VIV01]. **RunMC** [Che05]. **RunMC-an**
 [Che05]. **running** [CKS00]. **Runwien** [dIRL09]. **Ruth** [OMF02]. **Ruth-**
 [OMF02]. **Rydberg** [KB02, NW02a]. **Rydberg-excited** [NW02a].

S [Par04, MM08]. **Saha** [RMK05]. **Saleri** [Sha04]. **salt** [CCFG05]. **sample**
 [Nap09]. **samples** [Nap09]. **Sampling** [AL08b, GW01b, Asc08, BL05,
 LWLL07, PM02, SR01b, TBZ12, TMN01, VPNW02, WL08, Zim05, vE08].
SANCScope [BBK⁺07]. **SANCScope** [AAB⁺07, AAB⁺06].
SANCScope-v.1.00 [AAB⁺07, AAB⁺06]. **Sand**
 [PAD⁺09, OML09, EFG⁺00]. **satisfying** [YSM09]. **saturation** [Lüt04].
saving [FNR⁺06, FNR⁺07]. **Savitzky** [MMMM00]. **SaX** [MSB09]. **Saxon**
 [MAM04, MAM07]. **Scalability** [TCY⁺08, PHF⁺07, SKNV01]. **Scalable**
 [LBP⁺09, OCK⁺03, OCK⁺00, SKNV04, SOAW08, BDLT02, FKP03, FS01a,
 LL00, iNKNV08]. **scalar** [Fel08, FT08, FBB01, GF02b, NN09, Sav01]. **scale**
 [ABOSPG09, ABD⁺05, BVY05, BMS⁺09, DBE⁺04, EH07, FK00, FTGG07,
 HHM⁺09, HJM02, KMD⁺02, LCB⁺00, Lee04, LOCJ05, LM02b, MC08,
 MDC09, iNKNV08, OCK⁺00, PFG06b, REAB08, Rap08, RCG05, SJ02,
 SAG⁺02, Swi04, TPYV03, TIM07, TIM08, THC⁺07, ULA⁺02, UJSW06,
 Vor02]. **scaled** [NM03]. **scales** [HM00]. **Scaling**
 [CR05, BJ08, BM01, BS04b, BMG01, BSvdDW02, Cha00, CMR01, DGAG06,
 FG04, Gao03, GDAG05a, GDAG05b, HBW05, HP02, HHM⁺09, KF05a,
 SKNV01, SKNV05, SJ02, WC00]. **scan** [Bre05]. **scanning** [Bre05].
scatterers [DW01]. **Scattering** [DEW01, KM00b, PP09, ACIZ07, BP08a,
 Bel01, BCG03, BG01, CGG00, Cha07, CAW00, CY01, Di 02, DEW00, DW01,
 FL01, GSSN00, IBM03, LCB⁺00, LPRS02, LPR04, LJ01, LZ00, LDBG08,
 MBG03, MNYY00a, MNYY00b, MGG08, MFVJ07, MNH01, MN01, PCC01,
 Pis00, RMLB01, RS00, SSPM05, Sal03, SJP05, SBM09b, SCM00, SNBB02,
 TI01, Ton07, VT00b, WK02, WV04, ZDKG05]. **SCELib**
 [SM06a, SG00a, SM04, SBM09a]. **SCELib2** [SM06a, SM04]. **SCELib3.0**
 [SBM09a]. **scenario** [Huj05]. **scenarios** [NK07]. **SCF**
 [AKG02, Cha00, CWSH08, Dup01, FKG00, REAB08, dMBC⁺06]. **schedules**
 [ZA01]. **Scheme** [DK05, AEEedR05, AC05a, Cap05, CPS00, Cha04, DPSG06,
 Esi01, FH00, GLL⁺02, HDG07, HL00c, HS07, KG07, LBPS09, LMC⁺03,
 LHS⁺06, yMS01, MZB⁺04, ML06, OK06b, PC08, ISX05, Sev00, TYN02,
 TNY00, UTO09, UNK12, WHJ06, WS09a, WTW04, ZZH09, Zie05]. **schemes**

[BH03, BP08b, CMT00, CMT01, ID09, Suc02, TQ03, VCF⁺04]. **Schrödinger** [ACK05, AKZ00, ASVA00, AKS01, AKS02, AK07, BK06a, CJK09, CMK⁺03, DGSL09, GH00, GNZ⁺09, Inu07, Ixa02, Ixa07b, JK08, JC08b, KMS09, KBV09, LVV04, LVV06, LRI⁺06, LIR⁺06, LVV07, LB00, LY05, LCB07, Nur04, PSV00, Riz02, RLV⁺08, ŠZ00a, SW09, Sim00, SW00a, SVA03, Sim09, SM02, SFSL09, Sug01, SQ03, UK02a, UYK⁺04, Van05a, WGDZ04, Wan05a, WC05, WS09a, WT01, XSC09, XZ12, YB02b, Zak06, dlHV08].

Schrödinger-solver [BK06a]. **Schur** [CD01a]. **Schwarz** [Lüs05].

Schwarz-preconditioned [Lüs05]. **Schwinger** [AHS09, ÇHM00, Maa06].

Science

[MRF⁺05, BM02a, CSZ⁺07, Gun02, Haf07, MS05b, OLX07, Tót08, Koc02].

sciences [Han00, SBM02]. **scientific**

[BBD⁺09, BC07, BD06, Cap05, Dan09a, Dan09b, Esq04, MSK⁺02, MA04, MA08, NJ00, Nil07a, SJDC07, ZC09, Sha04]. **Scientists** [Bre01, Mal00].

Scilab [BBJ⁺08, BFB⁺09]. **scintillation** [RCGC00]. **scintillator** [FWP01].

scission [RLV⁺08]. **scission-neutron** [RLV⁺08]. **scope** [HHM⁺09]. **scrape** [KY07, SBCZ08]. **scrape-off** [KY07, SBCZ08]. **screened**

[HJZ09, OS03, SJ02]. **screening** [MLG⁺01]. **script** [HL08b]. **scripts**

[BS06a]. **SDECAY** [MDM05]. **SDH** [MBC⁺09]. **Search**

[GOG00, CCRA05, Nak07, TLP04, TL06b]. **searches** [VPP⁺12]. **Searching**

[Sus01, qX08]. **seawater** [VS06]. **Second** [MVJ09, Poi08, Poi09, BB04a, CIC⁺03, FMG00, Goc04, Hoo04, WHJ06, YM03]. **Second-order**

[MVJ09, Poi08, Poi09, WHJ06]. **secret** [AEEr05]. **section**

[AIOST03, Pap01, SBM09b]. **sections**

[BS03, Cip07, Cip08, Cip09, HSGBK08, Hor09, Kol09, LDBG08, MOC03, Nik03, OMC00, Sal03, Yos03, Yos07]. **Sector** [BBK⁺07, ST09, MN01].

Secure [DBE⁺04, AEEr05, TWY09]. **security** [LMC⁺03]. **sedimentation**

[BS08]. **segmental** [LM02b]. **segments** [HSS⁺08]. **SEL** [GT04].

SELECTCONF [BKM05]. **Selected** [BDL00, BN07, DM07, TB87].

selection [BFMH⁺01, BKM05, CB05, Man02, TS08]. **Selective** [SPV07].

selenium [NI01]. **Self**

[BTI01, MMTH04, Pet04, SOS01, BR01, BA09, BNSY02, CD05, CHL05, CGVA09b, FK00, GGG01, Jad00, Jen01, MR06, NT05, NYH04, PHKL02, Pit05, SJHY07, SBBM04, SAU⁺04, VKPB09, WLR⁺08, WH00, ZSK⁺04].

self-adapting [Jad00]. **self-adjointed** [CGVA09b]. **self-amplified** [SJHY07].

self-assembled [BNSY02]. **self-assembly** [NT05]. **self-avoiding** [Jen01].

Self-consistent [BTI01, PHKL02, WH00, ZSK⁺04]. **self-consistent-field**

[Pit05]. **self-diffusion** [WLR⁺08]. **self-energy** [FK00, GGG01, MR06].

self-focusing [SBBM04]. **self-gravitating** [CD05, VKPB09].

Self-gravitational [MMTH04]. **self-intersecting** [BR01].

self-organisation [SAU⁺04]. **self-organization** [NYH04]. **Self-organized**

[SOS01]. **self-propelled** [BA09]. **self-similarity** [CHL05]. **semi**

[AAC⁺06, ADG08, BBC⁺01b, BFB⁺08, BGS⁺04, CRS09, DDEM00, FBB01, LBPS09, ML06, ON08, UNK12, Ida02, TYN02]. **semi-analytical**

[AAC⁺06, BBC⁺01b]. **semi-classical** [BFB⁺08]. **semi-core** [ON08].
semi-implicit [ADG08, LBPS09, ML06]. **semi-Lagrangian**
 [BGS⁺04, CRS09, ML06, UNK12, Ida02, TYN02]. **semi-periodic** [FBB01].
semi-structured [DDEM00]. **semiclassical** [TDD04]. **Semiconductor**
 [Hua09, GPT08, LVLS01, LLV⁺01, LLCS01, LVLS02, Li03, LY05, LKC06,
 LCV06, LLLZ01, PMV02]. **semiconductors** [ABV02, BSO⁺04, dS03].
semiflexible [LLPL08, NL07]. **semileptonic** [HL08b]. **sensing**
 [BK06b, DSH02, DSH03, DSHH05]. **Sensitivity**
 [RTS01, FGA04, KKS04, KMZZ05, RPY07, Sal02, TBZ12]. **Separability**
 [RF06a]. **separable** [OvSA02]. **separated** [AA08, Lei02]. **separating**
 [Pur02]. **separation**
 [BDHP08, EMJH03b, JBS08, KEM⁺01, PSK01a, PSK01b, SGF04, Var02].
separators [Nat08]. **separatrix** [SPP⁺04]. **sequence** [SIE04]. **sequences**
 [LCPC04, SHH⁺04, SIE04]. **sequential** [TLP04]. **serial** [Ref00]. **series**
 [AOT01, BK05c, CR08, CN00, FD03, HJ02, Hon04, LVH07, LL04, Moh07,
 NP00, Sea02b, Wen01, WS09b, ZS07, ZWY04]. **server** [FEHC01]. **service**
 [AAKL07, KKHL07, LNV⁺09]. **Services**
 [BJS00, AAM⁺01, AAKL07, FGV01, Han00, ISSC01]. **set** [Di 01, ES09,
 GMAN⁺07, KTT09, Maa06, Pit05, RLRR06, Str00, TS06, UYK⁺04, Yok09].
sets [BD08, MBR01, TKN⁺08]. **seven** [NR01]. **SevenOperators** [HL08b].
Sewing [BG09]. **SFS** [MTLC01]. **shadowed** [SZ00b, Sev00]. **SHAKE**
 [GWK09]. **shallow** [ML06, Sho04, Sho07]. **Sham**
 [AK03, MMR04, PAD07, WT01]. **Shannon** [CHL05]. **shape**
 [BD00, LM02a, LVLS01, OKS04, RCGC00, Zah00, Zah01, ZDKG05].
shape-truncation [Zah00, Zah01]. **shaped** [NY07]. **shapes**
 [GMBC08, JK01]. **share** [AEEr05, TSB⁺05]. **shared**
 [BOG⁺07, BB00, CC00]. **SHAREv2** [TJLR06]. **Sharing** [CPV⁺08]. **sharp**
 [BDH⁺02]. **SHdecay** [Bar04]. **Shear**
 [OMY05, AP05, DJ04, RSMK⁺00, RR05, RvOvV02]. **shear-induced** [AP05].
Shearingbox [GZ07]. **Shearingbox-implementation** [GZ07]. **sheath**
 [NT04, SHJ07]. **sheets** [TÅT09]. **shell**
 [Cip07, Cip08, Cip09, ÇHM00, GSF05, KM00a, KM01b, SKF05]. **SHELL2**
 [FK00]. **shielding** [MCC05]. **shift** [Ram10]. **shift-operator** [Ram10]. **shifts**
 [VEG08]. **Shock** [Wei02a]. **short**
 [BBBR04, CW00, KS04a, NFS01a, NFS02, NH09, Ram10, WHL05].
short-ranged [CW00, WHL05]. **Shortest** [Krö05]. **shower** [Wel01].
showers [EFG⁺00]. **Si** [CW02, Kim07, LTT09, NSYZ02, SPC⁺05, Sri01].
SiC [MCC05, RPD⁺05]. **side** [BV00]. **Sierpinski** [SFSH01]. **sieve** [AA01a].
Sif [LK07]. **sigma** [GRR01]. **sign** [Bae03, BFLW07, vdEFL⁺02].
Sign-function [vdEFL⁺02]. **signals** [KV08, OS00b]. **silica** [MKB02]. **silicon**
 [Goe02, LN01, OPO⁺08, SLC09]. **SIMD** [REAB08]. **SIMDized** [GKK⁺08].
similar [SHH⁺04, SIE04]. **Similarity** [VBC07, CHL05]. **Simple**
 [Bro07, dO02, JK08, MC09, MPS09, TPYV03, Tod01, Vég04, ZSSA00].
simplex [BSS09, WMNS09]. **simplicial** [Jad00]. **simplifications** [Pog05].

simplified [MK02]. **SimScience** [WCGL00]. **SIMUB** [BS04a]. **simulate** [ABSM04, DDM07, Fra07a, GS01a, JU09, KKM02, Sal03]. **Simulated** [FHF00, BDG⁺08, CEM08, Sch06a, SOS01, TL06a]. **Simulating** [BCC⁺08, BM02b, CCD07, CMK⁺03, MMEH08, Mül05, OGKL02, RRRHD08, Bae04, CKV04, CHP04, DHBE05, EE02, KP01, KNY05, MSK⁺05, NY08, PY08, SWP03]. **Simulation** [BDHP08, BRB09, EH03, FSK04, HK02, HGH⁺05, HTL⁺03, HLW05, JH09b, JBA05, KTG04b, LYL07, LHMB00, MLPT08, OSK04, PJSK08, RF05a, RF06a, RF07, RF08, TIM08, TdFK00, Var02, VK09b, WGS00, WRMG05, YZD⁺07, ZPB09, ZM00, ACIZ07, AdIT03, All05, AH03, Aok01, ASC⁺05, BDK⁺06, BCCM03, Bar00, BB04b, BDB⁺08, BR09, BTS05, BMvG00, BDF⁺08, BS08, Bur02, BDV04, CW02, CMS04, CGC⁺09, Che05, CGIA07, CSC⁺07, CSC⁺08, CSC⁺04, CAAM08, CL02, CTI07, CLL⁺07, DDD⁺01, DJ04, DMR02, DDM05, DVG05, DBE⁺04, DSC06, EFBP04, EHHH01, EHHH06, Esi01, FMD07, FWP01, FL01, FS02, HD04, HYY07, Har01, HL00a, HMY⁺02, HL00c, HJM02, HL05, Hua09, HKL⁺07b, HSS⁺08, HKK02a, HS07, IIK⁺08, IDS⁺04, IW01, IW02, ICO01, IN09, JAT03, Jen00, JDBT06, JDBT09]. **simulation** [JBS08, KH01, KPL07, Kar02, KSYE00, KPS⁺01, KKSRO4, KF05a, KCR07, KBG00, KK05, Kud09, KNSY07a, KMCS01, LM02a, Lee04, LSL07, LCS07, LbotMC01, Lei02, LVLS01, LLCS01, LLT⁺02, LH03, LZC⁺08, LC08b, LKPH08, LAMH06, LKC06, Lon07, LMS⁺02, LL00, LM02b, MR05, MTL01, Maz00, MVS05, MLF07, MPK00, MMB02, Mil06, Mil07, MKB02, MIM⁺07, MYJY01, ML06, MC01, MS09, MABK02, MSH01, NSKS01, NT05, Nak08, NN06, NYH04, OSK⁺02, OKS04, OK06a, OK06b, ÖDÇ02, PCK00, PGS02, PP02, PS09, Poi08, Poi09, PY08, Pop03, QTL06, Rap06, RCGC00, Ref00, RJFB08, RGR⁺04, SNS01, SM06b, SLL07, SHZ01, SKNV05, SLL01, SOAW08, SSA07, SBBM04, SAU⁺04, STK⁺00, Swi04, TLCS04, TMTF00, TKS⁺01, TiTD01, Tod01, TDD04, Trö08, VYK02, Vbfd01, Wal03, WTH⁺04, WHCL07, WML⁺05, WRC⁺04]. **simulation** [Wil02, WH05, WHL05, XON08, YSM09, YD07, YNS⁺09, YRR07, Yos00, YvG05, ZLM04, dNKM07, TIM07]. **Simulational** [CMT00, CMT01].

Simulations

[Bin02, HM00, LHS⁺09, LNC⁺03, RSMK⁺00, Wes07, Ano04b, ADBF03, ABR012, BS06a, BA09, BF04, BSB02, BB09a, BADC07, Ber02, Ber03a, BMS⁺09, BCD⁺07, BDBV12, BMML05, BHM⁺07, BL05, BM01, BGH⁺09b, BDYK04, BKB02b, BDM09, BGS⁺04, BK05c, CZC00, CDFF05, COE⁺05, CDQF07, CLFH07, CDD08, CR00, CW00, CNDC09, CW01, DS01, DMR01, De 07, DGLB08, DBR⁺02, DD01, DC05b, DUX⁺09, Elb05, EL06, Eli08, ES09, Esq04, FFK02, Fel08, FT08, FFF01, FS08, GCP⁺02, GBFS07, GLHW01, Gre04, GH00, GCD06, GHPS04, Haf07, HL00b, Hef00, HM06a, HBMJ05, HKLY07, HKPL07, HW09, JGJ09, KBBW02, KCC⁺00, KMD⁺02, Kat02, Ker02, KSPT04, KY07, KM08a, KRTZ02, KD09, KK04, KSSH04, KNSY07b, Lad09, LTA05, LBPS09, LCM00, LSVMW08, LF02b, Lud02, Lüt04, Mak01].

simulations

[MV04, MFF⁺05, MBKJ09, MHS05, MMTH04, MS08a, MRF⁺05, MP03, MFVJ07, MDC09, MER⁺00, MTJ02, Müs02b, NSMO02, NGE⁺04, NKV03, NBPG08, iNKNV08, NFS01b, OLS⁺01, OD07, Oka01, OO05, OCK⁺00, OMF03, PHF⁺07, PM02, PRSB08, Pet04, QRH00, RP02, RLRR06, RD05, RPD⁺05, RJCH00, RvOvV02, SJCM04, SPC⁺05, SEC04a, SLWH02, SWC⁺03, SBD⁺06, SFF⁺04, SBL⁺04, SvAS01, SG04b, SBB03, SPM00, SPP⁺04, SS05, TÁT09, TMN01, THC⁺07, Tri01, Tsa02, ULA⁺02, Uhl03, UOM01, UOTM03, VKN07, VAH04, VCF⁺04, WCGL00, WK02, WCG04, WBDB04, WLGX09, Xia01, YWLC04, Yos09, ZKASS05, dS03, Esq04, UVLRRC09]. **Simulator** [HLW05, HKL⁺07b, CGCS07, CD01b, DMD⁺07, GCK02, MP08, VK09a, Gha05, HKL⁺07a]. **simulators** [BSW⁺07]. **simultaneous** [GFS03]. **sinc** [WDB04]. **sine** [KS05]. **Singer** [DDdMS02]. **SINGINT** [Kau03]. **Single** [DDMM06, MAM04, MAM07, Dev05, DHS00, FH04, FK00, FS01b, FS02, GSF05, KNSY07b, KFI⁺01, LY05, PRSB08, ISX05, SG00a, San00, SM04, SM06a, YN05b, YD06, SBM09a]. **single-** [DHS00, FH04, KFI⁺01]. **single-cell-based** [ISX05]. **Single-particle** [DDMM06]. **single-shell** [GSF05]. **single-walled** [YN05b]. **singlet** [JC01, KJ07, Voi02, Voi03]. **singlet-singlet** [JC01]. **singlet-triplet** [KJ07]. **singular** [Del08, Kau03, KM08b, LC00, PNH00, Ram04, Riz02, YZW02]. **singularities** [BW08, GSGT03]. **singularity** [IM01]. **sintered** [KEL02]. **sinusoids** [CN00]. **SiSe** [CM02a]. **site** [NLC09]. **sites** [IW01, IW02]. **Sitter** [DKV00]. **Six** [FFK02, Bac00, BBB⁺09a, BGH⁺09a]. **six-dimensional** [Bac00]. **Six-state** [FFK02]. **Sixth** [CFMR08]. **Sixth-order** [CFMR08]. **Size** [NFS02, BJ08, BS08, Car07, DGAG06, GDAG05a, GDAG05b, HBW05, MDS09, RP02, SS02b, Vbfd01, WV04]. **sized** [RRCV09]. **sizes** [MM01, MK02]. **skimming** [SS09b]. **skin** [AAA⁺00, BBBR04]. **sky** [RTVZ08]. **Skyrme** [BD05, BFH05, DD00, DO04, DO05, DSC⁺09, SDNR05]. **slab** [AH02, KV07]. **slabs** [JTS⁺06]. **Slavnov** [PTL04]. **Slavnov-Taylor1.0** [PTL04]. **SLC** [JWW00a]. **slender** [IL07]. **sliding** [HOT07]. **slip** [MS05b, SGK09]. **slit** [BDHP08]. **slow** [AAM⁺01, Yos03, Yos07]. **slowing** [CM03]. **slowing-down** [CM03]. **SM** [JKW06, JKW00]. **Small** [CGG00, TIM07, Alf09, GF02c, MVS05, ZDKG05, TIM08]. **Small-angle** [CGG00]. **smearred** [HK02, KT04]. **smearing** [Dür05, Dür09]. **SMMP** [EHHH01, EHHH06, MMEH08]. **SMMP-open-source** [EHHH06]. **Smoluchowski** [Kos05]. **smooth** [FMD07, OD07]. **Smoothed** [BBBD06, JJHvO03, KNY05, TE05, VKPB09, BTS06]. **smoothing** [Dem03, Dem06]. **snow** [MYJY01]. **social** [KOS⁺09]. **Sociophysics** [Sta02]. **sodium** [BCP04, Kur02]. **soft** [HSS⁺08, KPS⁺01, LAMH06, PJSK08, SSLN02]. **soft-core** [HSS⁺08]. **SOFTSUSY** [All02]. **Software** [BG01, Org01, SMZ05, AAG⁺04, AEB02, BBB⁺01, BSO⁺04, BN07, BBJ⁺08, BFB⁺09, CNMC09, Che07, EHHH06, Esq04, Gha05, KVR⁺00, MP03, OPB⁺09, PFPB⁺09, RC04, RMMP02, SC04, Teh01, TV07, THC⁺07, TYS⁺00, VPP⁺12]. **softwares** [LL07]. **solar** [KL01, RTVZ08, SLC09]. **solenoidal** [YSM09]. **solid** [BDM09, CGC⁺09,

CC08, FFF01, HKK⁺01, HFN03, ICO01, JKKT00, KM01a, KK05, LÁT04, MMB02, Müs02b, dIRBPL09, RCG05, Ste05, WMNS09, YT01a, Yok09].

solid-state [dIRBPL09]. **solidification** [NW02b]. **solids** [ADS06, BFL04, MPK00, RR05, SBM02, THM01, YG09]. **Solitary** [KD09, Zak00a, Zak00b, Zak01, bLpL02, pLbL03, Str01a, YB02a, Yan03a].

Soliton [HNS01, GI09, YB02a]. **solitonic** [GT01]. **solitons** [BZ00]. **solute** [MLF07, NJ01]. **solutes** [LBM05]. **Solution** [BFH05, DD00, DO04, DO05, DSC⁺09, LRI⁺06, LIR⁺06, Lüs04, NT04, SŽ00a, SR05, Var08, Yao09, AP04, AMP⁺00, ASVA00, AKS01, AKS02, BD05, BTS05, BV00, CC04, CFKM01, CBF⁺04, CRS09, DGSL09, EMJH03b, Fij99, Fij00, FS01a, FS02, GBC⁺04, Huj05, Ixa02, JBBR01, Kas00, Kos05, LdVJ06, LVV06, Li03, LC00, MM04, MP01b, PAS09, PSK01b, RIB01, Riz02, Sho04, Sho07, Sim00, SVA03, Sim09, SDNR05, Sug01, TKP06, Van05a, WGDZ04, WC05, WDHE04, WW06, ZSK⁺04, ZDKG05, Zie05, dA08].

solution-adaptive [Zie05]. **solutions** [AA08, AKZ00, AK07, BGH04, CC09, DKV00, EÅU05, EELZS04, FRdS09, GT01, GI09, HNS01, HL00c, HJZL07, bLpL02, LL04, LJ08, LJ09b, pLbL03, LL08, PAS09, Rib02, SW09, TD03, UK02a, UK02b, UYK⁺04, VBC07, Yan02, YB02a, Yan03a, Yan03b, Yan03d, Zak06]. **solvable** [HNS01]. **solvated** [BSB02]. **solvation** [LBM05]. **solve** [CTG01, DKMF03, GNZ⁺09, LVV07, OGWH03, PS08, TS06, Tol02]. **solvent** [BDH⁺05, CCD07, GSM⁺03, LH02, itVPG08, XD08]. **solver** [ADG08, AEB02, BK06a, EST00, FS00, HCH⁺06, Ida00, Ida03a, Ida03b, KA04, MB04, MOS00, MOS01, PCV06, QR01, QG04, TP01, WPL02, WRC⁺04, XON08, Zie04]. **solvers** [Bra05, FS03]. **Solving** [BB07, FS00, IH09, IHAR09, JS06, KEM⁺01, LOCJ05, Maa06, SHV⁺01, XSC09, Zim05, ACK05, AK03, BSO⁺04, CJK09, Den08, FBL00, Fra07b, GSGT03, HHWH07, JK08, KA09, LY05, LJ09a, MZB⁺04, MK08, MP01b, NJ01, PMG07, PAD07, PKST03, PSV00, Ras09, RE09, Ras17, She03, SZ00c, SM02, Str00, SFSL09, TPYV03, UNK12, WS09a, WYX09, XZ12, YZW02].

Some [BKM02, FGR06, JBS08, LZ00, Luo00, MA08, Bor02, BCV03, Hib01, MSD08, Roy09, Van05a, WSB04, Wen01]. **sophisticated** [Gre07, MM09].

sorting [REAB08, REAB09, YWLC04]. **soundings** [AdlT03]. **source** [ABNÁ05, CLL⁺07, EHHH06, JP09, LCS07, MTL01, MSB09, SJHY07].

sources [DDEM00, DW01]. **Space** [AC05a, BD05, Bre05, CC04, DC05b, DKV00, FPB08, FMMQ08, FER⁺07b, GBFS07, GBM02, GW01b, GHPS04, Han00, ISSB01, IM01, Jia08, KM00a, KM01b, MSHP02, MSHP20, Nak08, OSK⁺02, Pap01, PRBD09, RLH⁺09, SKNV01, SKNV05, SW00b, SMH⁺01, SRR⁺00, SBB03, TKSR00, Trö08, XON08, YT01a]. **spacecraft** [KTG04b].

spaces [PL05, SH06]. **spacetime** [Rib02]. **spacetimes** [BFI⁺00, Vul03].

SPAI [SBD⁺06]. **Spanish** [MBC⁺09]. **Sparse** [RLRR06, BN07, BMG01, Cha00, DM07, EFS⁺08, FM03, GHP01, MYC09].

sparse-blocked [Cha00]. **sparticle** [EH06, EH07]. **spatial** [EELZS04, GKM⁺00, HTM⁺08, KMR⁺09, SBD⁺06, ZBB⁺06]. **spatial-grid**

[WMNS09]. **Spatio** [RDS02b]. **Spatio-temporal** [RDS02b]. **spatiotemporal** [GLW03]. **Special** [iSHS⁺08, SMS⁺00, SHI02, CPT⁺01, IOM00, Mak01, SHH⁺04, SIE04, Tho01, Van05a, Wen01]. **Special-purpose** [iSHS⁺08, SMS⁺00, SHI02, Mak01, SHH⁺04, SIE04]. **specialized** [SS02a]. **species** [DHS00]. **specific** [CGC⁺09]. **spectra** [All02, BB04b, BKM02, GCP⁺02, HSSA01, Jia08, JC01, KJ07, MK05, MKJ⁺05, MM05, MM09, Por03, RC04, RF04, TKB⁺04, TK09, WCBN05, vHLP08]. **spectral** [BP08a, CCBL02, CJC09, EVL00, FS01a, HDG07, Hua09, LBPS09, PMG07, PKST03, She03, SZ00c, TPYV03]. **spectrometry** [ISS⁺02]. **Spectroscopic** [GZF04, CDD08]. **Spectroscopy** [Vég04, EST00, KSTL03, MB05b, WCBN05, ZPB09]. **spectrum** [DKM07, GIME02, RDSS01a, Sol01, VT00a, Wan06a, Wan06c, VT00a]. **Speed** [GGL03, TIN⁺09, GCD06, iSAK⁺08, SLL01, TCF00]. **Speed-up** [TIN⁺09]. **SPH** [JOS07, MDH04, MC09, MK09, SM06b]. **SPheno** [Por03]. **sphere** [PP09, SA09, SWFL00]. **spheres** [BDH⁺05, JBS08]. **spherical** [Bal07, BK05a, BD05, CRW09, CMT01, MP05, OSK04, OK09, RSMK⁺00, RJFB08, San00, Tal09, IFF01]. **spherically** [AG05, IW02]. **spherically-symmetrical** [IW02]. **spheroidal** [CFKM01, Hua09, Kir06, LKC06]. **Spin** [CY01, NH09, You02, BCC⁺08, BDLT02, BR09, CSW02, CPT⁺01, DKC08, FdO09, Flo01, GF02b, Goc04, HG02a, JW02, Kat02, KK01, LCV06, LDBG08, NSMO02, OTY02, PS08, PMV02, RD05, RLU00, SH06, SS06, TEP00, YD07, You05, ZPB09, GSF05]. **spin-** [DKC08, PS08]. **spin-angular** [GF02b, GSF05]. **Spin-box** [NH09]. **spin-orbit** [TEP00]. **spinor** [MM08]. **spinor-helicity** [MM08]. **spins** [DDD⁺01]. **spline** [FZ09, NM03, TD03, Zat06]. **splines** [AC09, Nik03]. **split** [CA07, MK08]. **split-operator** [CA07]. **splitted** [Zak01]. **splitting** [GLP03, SG06]. **splittings** [AJ08, JG02]. **Spontaneous** [SMV01, ICO03, SJHY07]. **spreading** [KPS⁺01, MMB02]. **spring** [EM08]. **spring-block** [EM08]. **Springer** [Hoo04, Koc02, Laf03, Par04, Sha04, Vio04]. **Springer-Verlag** [Hoo04, Par04, Sha04, Vio04]. **sputtering** [IH01, SZ00b, Sev00, WSB04]. **squared** [KT04]. **squares** [Dem06, JC07, TD03, WWF08]. **SSNT** [PBI07]. **SSOR** [GH00]. **SsTools** [KW07]. **Stability** [Van05c, ATIO06, ATF⁺09, FGF03, SHW01, SIH⁺01, She08, Sim09, TMN01, UVLRRC09]. **Stabilization** [VT00c, bHhL07, Nur04, TCF00, WZH06]. **stabilized** [BLS09b, MVJ09]. **Stable** [MNH01, PC08, RB00, SW00a, WW05, Wan05b]. **stably** [LCM00]. **stack** [Sch08]. **stacks** [LMS05]. **stage** [KKS04]. **stages** [LAF01]. **Staggered** [KNT08, Cha04]. **stair** [Ver04]. **stance** [ZSD⁺08]. **stand** [DGR09]. **stand-alone** [DGR09]. **Standalone** [TP01]. **Standard** [FK00, FIJ⁺03, HS02, Ano07-31, JS08, LPC⁺04, GFF01]. **standing** [BB07]. **Star** [BCP04, EKW09, HBRS05, QTMH07, FFPW01]. **star-image** [QTMH07]. **stars** [BLCR05, CDQF07]. **starting** [FFF01]. **State** [BRB09, RPY07, AMP⁺00, Bac02, Bat03, BM04, BKB02b, BDM09, BCH05, CBBJ02, CWSH08, DCNDC09, DC07, FFK02, FFF01, FV02, HSGBK08,

HG02a, KSS02, LÁT04, LEG02, MC03, MHGV09, MHS05, dIRBPL09, PRBD09, SH06, SVP09, SJF07, Wan05a]. **state-history** [MHS05]. **state-to-state** [HSGBK08]. **states** [BBB⁺09a, BM06, BH03, BJ05b, CRS05, CWW06a, CWW06b, DGV08, GFG⁺06, GLMADB⁺02, GPT08, HC08, JWW00b, KB02, KN07b, LJY07, LLY07, LR07, LVLS02, LHMB00, MT00, OvSA02, ON08, PJK00, RF08, RDFS02, Sav01, TNCG00, VT00c, YN05b, Zha01, ZSSA00, dO09]. **states-computational** [KB02]. **STATFLUX** [GMAN⁺07]. **Static** [BKB02b, QCL05, Ver00]. **statics** [LMM⁺08]. **Stationary** [TLCS04, Bae03, DGV08, WDHE04]. **Statistical** [TSB⁺05, ASJ⁺03, Ano09t, DSS01, GMAN⁺07, GGL⁺02, ISSB01, JGJ09, Nov02, PJSK08, Rin02, SAG⁺02, Sta00, Suz00, Swe02, TY01]. **Statistics** [HNG05, FHF00, ISSB01, YT01b]. **Status** [UXD⁺09, Ano01a, McK07]. **steady** [CTG01, ZSSA00]. **stellarators** [SIH⁺01]. **stem** [Dom05]. **step** [BCP04, Ber03a, DWZS05, FLO06, HDGM07, Ida03a, Ida03b, IVD03, MA06, Sho07, Ver04, WGDZ04, WW05, WC05, Wan06a, WTW04, ZZH09]. **steps** [KV08, NR01, SSH02, Sho04]. **stepsize** [WDHE04]. **stereo** [HFN03, SGM⁺09]. **sticker** [Zim02]. **sticking** [Tsa02]. **stiff** [BT01, MVJ09, PC08]. **Stiffly** [BT01]. **still** [BL00]. **Stochastic** [AAA⁺00, BP08b, DD01, LH01, MRS04, ZS03, ZS07, ZSd⁺08, ZS08, BDP00, BM02b, BT01, DVG05, FRdS09, FM00, Lad09, TiTD01, TRAdO09, Var08, ZE00, dO09]. **stock** [LLH07]. **Stokes** [ICT01]. **Storage** [BNO⁺01, Ano09t]. **strain** [BSO⁺04, HTA08]. **strained** [Kim07]. **strains** [LTT09]. **stranded** [VYK02]. **strange** [Lew04]. **Strategies** [Tri05, Gol00, SLWH02, Ska05]. **strategy** [Bae03, Gra02, PL05, TLP04, VT00b, WLH00]. **stratified** [LCM00, TdFK00]. **streams** [Bru04]. **strength** [JK02]. **strengths** [EKW09, HB05]. **stress** [EM08, HM06a, MCC05]. **stress-induced** [EM08]. **striation** [BCD⁺07]. **strictly** [SA09]. **string** [ABD⁺05, GHIL09, LLY07]. **strings** [BR01, RK05]. **STRINGVACUA** [GHIL09]. **strong** [ACK05, CBBJ02, CKS00, KLD04, Kur02]. **strongly** [Alv09]. **STROTAB** [KJ07]. **Structural** [Blü09, EM08, KACB07, TBR07, Iwa01, ZBB⁺06]. **Structure** [GF02c, HOI04, Mor01, AAA⁺00, AJT⁺07, ASH06, AJ08, BD08, BTI01, BB00, BMG01, Bro07, CPV⁺08, DHS00, Fro00, FTGG07, FS01b, GSF06, GHP01, GOH06, GBD03, HC00, HTM01, HJM02, JHFG07, KFJ⁺09, KLM00, KPF03, KNSY07b, LTG09, LOY07, LC08b, LB04, LZ04, MS06, MSB09, MWA01, NSKS01, New02, OKS04, Oka01, PFG06b, PKSF01, QASF⁺05, RB08, SHV⁺01, SG04a, SH06, SBM02, SHX02, SKNV01, SN07, SMH⁺01, SKH02b, SYM00, THM01, Vos06, WKP⁺01, Yos09, ZF09]. **structure-preserving** [LB04]. **structured** [DDEM00]. **structures** [BB07, Cle05, Flo01, GCP⁺02, HKK02a, HKK02b, LV08, LLT⁺02, LY05, LTT09, LF02b, LLLZ01, NM01b, OGG07, OBG09, PMV02, RRCV09, SLC09, SOAW08, Str01a, TMN01, VS01, WP00]. **Student** [Ano04a]. **studied** [Bur02, HTM⁺08, MSH01, RvOvV02]. **Studies** [BS04a, BJ08, BJ03, CCG08, CSC⁺07, CSC⁺08, Dom05, FMD07, HKK02b,

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,
 HGVC⁺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].

switching [OD08]. **SX** [EL04]. **SX-6** [EL04]. **Symbolic**
 [Ada04, BGH04, KHÖ01, KH06, She08, UTKF05, Wei02c, qXbL04, CRUV00,
 FD03, GT01, Hon04, MU06, Niu00, Pee07, SH05, TV07, qX08, Yan02].
Symmetric [CBF⁺04, AG05, BN07, Bun01a, CFMR08, CR00, DM07,
 Kim07, ŠZ00a, Wan05b]. **symmetrical** [IW02, WS02]. **Symmetries**
 [MG09b, BCV03, Che07, MG09a]. **symmetry**
 [BD05, MMR04, RF05b, Sle00, YN05a]. **Symplectic**
 [AK07, OMF03, SS06, CFMR08, Fra07b, MKS07, SS00, SQ03, TQ03, Van06].
SYN [NR01]. **Synchronization** [BFL⁺01, MTC07]. **synthesis**
 [MP01a, ZLM04]. **System** [BFL⁺01, Pub07, AP04, ABNÁ05, ABC⁺03,
 Ano01n, BGLLW01, Cap05, Eli05, GC01, IH01, JP09, KS07, KK01, KM00b,
 KTT02, KMCS01, LdVJ06, LNV⁺09, Mar01, Mas00, MTZ00, NFS01a,
 NFS02, OK06b, Pee07, Pop03, Sol01, SS09b, SQ03, TKS⁺01, TLDM03,
 TWY09, Ver00, Wan09a, Wei04, ZS03, ZZH09, AAB⁺08, BNO⁺01].
systematic [Bra05, Con04, EL06, THC⁺07]. **systems**
 [ATP01, AC07, AJT⁺07, ASF⁺05, Alv09, ALN⁺01, ADDdM07, Bae04,
 BBC⁺01a, BFMH⁺01, BB04a, BCC⁺08, Ber02, Bin02, BHM⁺07, BH03,
 BBJ⁺08, BFB⁺09, BVKW02, CD05, CGG00, CYAS05, DDMM06, Di 01,
 Dol01, DVL⁺02, DVL⁺04, EMJH03a, FGF03, Fra07a, GKI02, GKI04,
 GPW⁺09, GSGT03, GMO03, bHhL07, HNS01, HL00a, HL00c, HZGZ09,
 JW02, KBBW02, KH01, KNTG03, KW07, KSEG05, Krö05, LM02a,
 LbotMC01, LNV⁺09, LFT03, LANM⁺01, LMM⁺08, LAMH06, LM00, MCH02,
 MSD08, MFVJ07, MHK02, MKS07, MM01, MTJ02, NSMO02, NH09, iOY01,
 OTY02, OMF02, PM02, PKPV02, PCCD09, PSH06, RP02, RF05a, RF06a,
 RF07, RF08, RDFF02, Sle00, SOS01, SS06, TAP01, Tat07, Var08, Var02,
 VT00c, VPK⁺01, WKP⁺01, WZHZ06, WYX09, WLGX09, Zha00, ZKASS05].
Sznajd [Sta02].

T [PKKM02]. **T3E** [ALN⁺01]. **table** [HS01b]. **TADpoles** [Ste01]. **tailored**
 [CR08]. **tails** [HBMJ05]. **tangent** [BGH04]. **tapered** [NSKS01]. **target**
 [BDB⁺08, MOC03, OMC00, OSK04, OKS04, PD08]. **targeting** [vDGM⁺09].
targets [SBM09b]. **Task** [CD08, Ano09s]. **tauola**
 [GKP⁺06, BEM⁺02, GKP⁺06]. **tauola-photos-** [GKP⁺06]. **Taylor**
 [DMR01, DMR02]. **Taylor1.0** [PTL04]. **TaylUR** [vH06, vH07]. **TD**
 [WPL02, WT01]. **TE** [KV07]. **TEA** [Gha05]. **Teaching** [HF00, TPBE04].
tearing [Lüt04]. **technique**
 [Bae04, CIC⁺03, EMJH03a, Har02, ICT01, KMH02, KA05, KK00, LHC01,
 LHC02, PDA06, QTMH07, Ram10, Sal03, dSL02]. **techniques**
 [AP09, Bes02, CLFH07, DSC06, GHLW03, Hei01, PBB⁺04, PY08, Ram04,
 RM05a, SWC⁺03, Tod01, TYS⁺00]. **technologies** [Chr00, CBM⁺05].
technology [CRS01, Far01, Lüt00, SMS⁺00]. **telescopes** [CBMS08, GK05].
Teller [MS08b, HC08]. **temperature** [HTM⁺08, HJ02, KMD⁺02, Kar02,
 KLD04, Lei02, LDZ⁺08, MTJ02, NH09, PP02, Zha00]. **temperature-driven**
 [PP02]. **temperatures** [DS01, FS01a, Kat02]. **Temporal** [RMK05, RDS02b].

tens [HHM⁺09]. **tensile** [Kim07, LTT09, MDH04]. **tensile-strained** [Kim07]. **tension** [NL07, ZHC00]. **Tensor** [BH01, BGH⁺09a, Bre07, GBM02, MP04, MGPM07, MGY08, MG08b, Por00, RY00]. **tensor-trick** [RY00]. **tensorial** [HHL06]. **term** [SVA01]. **terms** [AA08, Dzu09, HTM⁺08, KKS04, MYC09, RMWH01, Yao09]. **TERS** [Nat10, Nat09]. **test** [BJ05b, DVG05, GCP⁺02, KHÖ01, MTJ02, OML09, PFPB⁺09, SKNV01, qXbL04, qX09, ZLL09]. **test-driven** [PFPB⁺09]. **TESTER** [GPW04]. **testing** [WL08]. **tests** [ABC⁺01, BL00, BFI⁺00, JW02, TIM07, TIM08]. **tetra** [HGVC⁺02]. **tetra-atomic** [HGVC⁺02]. **tetraatomic** [KLTH04, ATP01]. **tetrahedral** [CN01, LHS⁺06]. **tetrahedralizations** [SMH04]. **Tetrahedron** [Zah04, Zah05]. **Tetratomic** [TAP01]. **text** [dIRL09]. **text-based** [dIRL09]. **th** [AKZ00]. **their** [BSB02, CGVA09b, CN00, Gro01, KCH00, LC01b, OS00b, YGT⁺02]. **them** [Ort00]. **theorem** [CT00]. **Theoretical** [CS07, LNK01, Lee04, ASJ⁺03, BL00, Bre05]. **theories** [ALV05, Di 02, MG09b, Tri05]. **Theory** [Rou01, ARV02, ALN⁺01, BB09a, BSK⁺03, Cha00, Cip07, Cip08, Cip09, Dzu09, Fod05, Gut06, HHM⁺09, HLC08, JC07, KTT09, KH09, LCV06, MBR01, NP01a, OSK⁺02, PKS01, Pee07, QP05, RF04, Sem09, SKNV01, SKNV05, SMK01, WWF08, Wil09, dIGGS⁺05, vHLP08, MG09c]. **THERMal** [KTBF06, IK00, CT00, DHS00, HS01a, LLLZ01, RP02, Sat02, TCF00, WSB04, WCH09]. **Thermally** [RLU01]. **THERMINATOR** [KTBF06]. **thermionic** [LLLZ01]. **Thermodynamic** [RS09]. **Thermodynamics** [BDH⁺02, BFL04, TNI⁺07]. **Thermonuclear** [HRN00, BSW⁺07]. **thermostats** [BP08b]. **THERMUS** [WCH09]. **theta** [Sch05]. **thickness** [CAW00]. **thin** [BDV04, Dan05b, LTG09, LTT09, Mü02, NT04, SLWH02, TÁT09]. **things** [Ort00]. **thiols** [SPV07]. **third** [MKS07]. **thousands** [CR05, HHM⁺09]. **threaded** [LbotMC01]. **threading** [NJ00]. **Three** [CSC⁺07, CSC⁺08, CHM⁺09, IH01, KKF⁺04, PKRK07, QG04, RG04, BCBJ02, BSDMH05, EELZS04, ES09, GBC⁺04, HKPL07, JK08, KNT08, KSS02, KL01, KK01, KM00b, Krö05, LVLS02, LZS06, LHS⁺06, LEG02, MMTH04, MOS00, MOS01, NYH04, OvSA02, PSK01b, SMH04, SBJ05, Sch06b, TRGR08, TMTF00, Tak03, TND04, TND05, TY01, Vos06, WW05, WHJ06, WTW04]. **three-atomic** [KM00b]. **three-body** [LZS06, LEG02]. **Three-dimensional** [CSC⁺07, CSC⁺08, CHM⁺09, IH01, KKF⁺04, PKRK07, QG04, RG04, ES09, KNT08, KK01, Krö05, LVLS02, LHS⁺06, MMTH04, MOS00, MOS01, NYH04, SBJ05, TRGR08, TMTF00, Tak03, TY01, Vos06, WTW04]. **three-grid** [Sch06b]. **three-quark** [OvSA02]. **three-step** [WW05]. **Threshold** [FHF00, HOT07, HTM⁺08]. **thresholds** [Lüt04]. **Thrombosis** [OCS⁺08]. **throughput** [SBM09b]. **thruster** [CMS04, CSC⁺04, KB04, TLCS04]. **TiC** [ZLM04]. **tight** [CR00, ÖDÇ02, Ver00]. **tight-binding** [CR00, Ver00]. **tilt** [LVH07, ZS03].

Time [FS01a, HGVCM⁺02, Mei01, AOT01, BB04a, BMSG01, BC05, Bow02, BK05c, BSK⁺03, CRS05, CHS09, CMT00, CMT01, DS01, DKMF03, Den08, DKC08, DC07, DB08, FNR⁺06, FNR⁺07, FER⁺07b, GNZ⁺09, HDGM07, Hei01, HL05, HZGZ09, Ida03a, Ida03b, ISSB01, JH09a, KM08a, Lee04, LOCJ05, MN01, MA06, MA09, Nak08, NM01b, NN06, Nur04, PSV00, SŽ00a, SG06, SOYN01, Sim08, SM02, SRR⁺00, SSA07, TSI02, UJSW06, WS09a, WLR⁺08, WTW04, ZS07, ZS08, dlGGS⁺05, dlHV08]. **Time-dependent** [HGVCM⁺02, Mei01, BC05, BSK⁺03, CRS05, DKMF03, DKC08, GNZ⁺09, MA09, NM01b, PSV00, SŽ00a, dlGGS⁺05]. **time-discretized** [DB08]. **time-domain** [CMT00, CMT01, Den08, HL05, NN06]. **time-ensemble** [Nak08]. **time-evolution** [SOYN01]. **time-harmonic** [CHS09, HZGZ09]. **time-independent** [DC07, MN01, SM02, WS09a]. **time-invariant** [BB04a]. **time-step** [HDGM07, MA06, WTW04]. **timelike** [MG09c]. **times** [MSS⁺07]. **timeseries** [PB09b]. **timing** [HDGM07]. **Tinker** [PLS09]. **tip** [CW02, MCC05, ZS03]. **tip-tilt** [ZS03]. **TiReX** [PLS09]. **tissues** [YC07]. **Tl** [LK07]. **TLM** [Hei01]. **TMAT** [dAK01]. **tmLQCD** [JU09]. **TMOL** [BRdAHK04b]. **today** [Shi09]. **together** [Gre04]. **tokamak** [ATIO06, ATF⁺09, EH03, KY07, NK07, PMA⁺04, PPP01]. **tokamaks** [GIME02, SJCM04, SMSE03]. **Tolman** [Rib02]. **tomographic** [BG01, LVH07]. **tomography** [Bal07, CEM08, GBA01]. **Tool** [SPF00, Str05, Ano09s, Ber03b, BBB⁺00, CNMC09, Esq04, Gha05, GPW04, GBR⁺09, HL08a, LPC⁺04, LCE⁺09, LR06, MHGV09, MCBR03, MRF⁺05, MYL⁺08, SMSE03, TND04, TND05, TGD06, WH05, YFM09, vdB08]. **Toolkit** [Mal00, SR09, BFL⁺01, CKK09, HF00, MOM⁺00]. **tools** [Di 01, MC01, Org01, SKF05, WSCW09]. **top** [KJ07, Kol03]. **topography** [ES09]. **Topological** [CKLS09, dlRBPL09]. **topologies** [RDSS01b]. **topology** [IW01]. **TopReX** [SS02a]. **tops** [JC01]. **TORBEAM** [PPP01]. **torch** [CHL⁺07]. **toric** [KS04b]. **Toroidal** [Lüt04, BDBV12, GS01b, IIK⁺08, KZS⁺00, Liu07b, SG00b]. **toroidally** [ATF⁺09]. **torsion** [GW01b, Vul03]. **torsional** [Bac02]. **torus** [FMD07, FDM07]. **Total** [MSHP02, MSHP20, BS03, NRR01]. **Total-energy** [MSHP02, MSHP20]. **trace** [KBV09]. **traceability** [BCC⁺06]. **tracer** [Str01b]. **tracing** [BMSG01, PPP01, Pop03]. **Track** [Bla00, GGQ01, GKM⁺00, GKK⁺08, JGJ09, NY06, NY08, PBI07]. **TRACK_TEST** [NY06]. **TRACK_VISION** [NY08]. **Tracking** [Laf03, iSAK⁺08, HHCC05, TCO00]. **tracks** [NY08, SWFL00, YFM09]. **trade** [Oli01]. **trade-offs** [Oli01]. **traffic** [CL02, Wal03, ZWY04]. **trajectories** [AGJJ07, Elb05, Nat08, ZE00]. **trajectory** [LJY07, MSS⁺07]. **trajectory-length** [MSS⁺07]. **transactions** [BD06, Dan09b]. **Transcendental** [MU06, Wei02c]. **Transfer** [Yak01, Bes02, BCH05, DC05a, GDC01, Ger07, Liu07a, RE09, SGK09, Str01b, WH00, Wol03, WH05]. **Transfer-matrix** [Yak01]. **transferred** [CHL⁺07]. **Transform** [DSC06, RM05a, Don02, KA09, KSTL03, LC08a, Ras09, Ras17, SSP08b]. **transformation** [ASJ⁺03, FLO06, LL08, Niu00, YN05a]. **transformations**

[GF02a, KEL02, NP00, PZ01]. **transformed** [Eli05, SDNR05]. **transforms** [Blü00, Blü09, CR08, Dup01, HC00, KSHP02, MA00, MM05, RB05, SSP08a, Tal09, Tör00]. **transistors** [CSC⁺07, CSC⁺08, LH03, Mam08]. **Transition** [BR09, AGM⁺00, BJ05b, CBBJ02, DKC08, FFD00, GAR05, HBW05, JK02, KITK00, KMP09, KT07, LJY07, LLY07, LDZ⁺08, LA09, MSS⁺09, Maz00, Mor01, OS03, PDA06, Tat07, Wil02, YH02, YD06]. **transitions** [BJ05a, BDH⁺02, Bin02, BHM⁺07, BKB02b, CSCK08, CM02b, FHR⁺05, JS05, KGM00, KK01, KNSY07b, MCH02, OIKN02, PRSB08, PP02, Ple02, SWL09, SSLN02, YGT⁺02]. **Translational** [TK08]. **Translocation** [LC07, MB05a]. **Transmission** [Man04, KV07, Nat08, Sch08, SYM00, WP00]. **transmission/reflection** [WP00]. **Transport** [Ano04-46, KY07, KMR⁺09, PMA⁺04, ABSM04, BDYK04, CMD00, CGK⁺00, EST00, GZ07, ISSB01, KKKC07, Lee04, LLLZ01, Man04, MLF07, MBC⁺09, NKSL05, NRR01, PAD⁺09, PC08, Pop03, QTL06, Ros04, SYN01, SGK09, TAM04, TKP06, Vie01, WTH⁺04, WML⁺05, WRN01, Yak01, YNZ⁺09, Zie05, dA08]. **trap** [CKV04, MA09]. **trapped** [RLI07]. **trapping** [NRDHB01, PCA⁺07]. **traps** [TS06]. **traveling** [FD03, Hon04, LL04]. **travelling** [EELZS04, bLpL02, LJ08, LJ09b]. **treat** [GLMADB⁺02]. **Treatment** [IM01, Bac02, GWK09, KL01, MMR04, PNH00, Ram05, TJLR06, WC00]. **tree** [ADBF03, BAD01, BCAD06, FIJ⁺03, JKCGJ08]. **treecode** [AL08a, CKV04]. **trends** [Sch04]. **tri** [HGVC⁺02]. **tri-** [HGVC⁺02]. **TRIAC** [PBI07]. **Trial** [PDM⁺08, PAT⁺09]. **triangular** [BM06, CHS09, HZGZ09, MCLDP01, She08]. **triangulation** [BSDMH05]. **triatomic** [HC08, TT06, TKB⁺04]. **triaxial** [MAM04, MAM07]. **trick** [RY00]. **trigger** [ABF⁺01, ISSC01]. **trigonometric** [Sim09]. **trigonometric-fitting** [Sim09]. **Trigonometrically** [FSW08, Wan06c, Wan06b, MKS07, Sim08, WC05]. **Trigonometrically-fitted** [Wan06c, Wan06b, Sim08, WC05]. **trimer** [Bac02, RY00]. **trimers** [GLMADB⁺02, OBG09]. **triode** [LC08b]. **'tripleint_cc'** [PAT⁺09]. **triplet** [KJ07]. **tritium** [RCGC00]. **trivial** [MSD08]. **tropical** [Mas00]. **Trotter** [Inu07]. **Trp** [CDF05]. **truncated** [ASF⁺05, Maa06, WHJ06]. **truncation** [Zah00, Zah01]. **Tsallis** [FHF00, Sch06a]. **TSIL** [MR06]. **tube** [PCC⁺09]. **tubes** [IL07]. **tunable** [SJHY07, Vor02]. **tuning** [BB03]. **tunneling** [MMMM00]. **tunnelling** [CKLS09]. **turbid** [CGK⁺00]. **Turbulence** [Ker02, MCL05, Eli08, GLW03, HDG07, Jen00, KLD04, UXD⁺09, YNS⁺09]. **turbulent** [DVG05, Ker02, RJFB08, Str01b, TIM07, TIM08]. **tweezercalib** [HTNFBS06a, HTNFBS06b]. **tweezers** [HTNFBS06a, HTNFBS06b, TNBSF04, Whi00]. **twelfth** [WGDZ04]. **twelfth-order** [WGDZ04]. **twist** [CC04]. **twisted** [BDF⁺08, Jan05, JU09]. **twisting** [DGLB08]. **Two** [CLL⁺07, CNDC09, FHR⁺05, HW09, ID09, LCS07, Moh07, STK⁺00, TDD04, UTO09, Var08, AC07, AMP⁺00, BCP04, BvG02, BR09, Blü00, CCGR09, CCBL02, CMK⁺03, DS04, Dev05, DJ08,

DHS00, EÅU05, EELZS04, FSW08, FK00, GR02, GBC⁺04, GOG00, GME06, HBMJ05, HJZL07, IHAR09, IVD03, JWW00b, JK08, JKKT00, JKCGJ08, KT05, Kim03, KM01c, Krö05, LS05, Lüs05, Mah08a, MR06, Nik03, NYH04, OvSA02, PD08, PR06, RtVR09, RLV⁺08, SKH02a, iSHS⁺08, SSB⁺09, SGF03, Sol01, SM02, TMTF00, TZZ06, TBZ12, TY01, TL09, TdFK00, Ver00, WGDZ04, Wan06b, WS09a, WD04, XZ12, ZY09, ZZH09]. **two-** [Krö05, TMTF00, TY01]. **two-body** [AMP⁺00]. **two-center** [GME06]. **two-component** [JKCGJ08, TdFK00]. **Two-dimensional** [CLL⁺07, CNDC09, FHR⁺05, HW09, ID09, LCS07, STK⁺00, TDD04, UTO09, Var08, AC07, GR02, GOG00, HBMJ05, HJZL07, JKKT00, KT05, KM01c, PD08, RtVR09, RLV⁺08, iSHS⁺08, SSB⁺09, TZZ06, TL09, Ver00, WS09a, XZ12]. **two-electron** [EÅU05, Nik03, SKH02a, WD04]. **two-fermion** [JWW00b, Sol01]. **two-flavor** [Lüs05]. **two-fluid** [LS05, NYH04]. **two-loop** [Blü00, CCGR09, FK00, MR06]. **two-particle** [Dev05, DJ08]. **two-phase** [TMTF00]. **two-photon** [BvG02, Nik03]. **two-point** [DS04]. **two-quark** [OvSA02]. **two-species** [DHS00]. **two-step** [BCP04, IVD03, WGDZ04, ZZH09]. **type** [CFMR08, CHL⁺07, CHP04, FSW08, FGMT02, Fra07b, PAT⁺09, RDSS01a, SPS09, Wu10, YWYF09]. **type-II** [CHP04]. **types** [BMML05, BSvdDW02]. **typical** [De 02].

UCLA [DN04]. **UCN** [Yos07]. **UHI** [BF04]. **UK** [Wan00]. **UKQCD** [All01]. **ultra** [HGH⁺05, Tol02]. **ultra-high** [HGH⁺05]. **ultracentrifugation** [BS08]. **ultracold** [JKCGJ08]. **ultradiscrete** [GI09]. **Ultrafast** [BSS09, BCH05]. **Ultrahigh** [WBDB04]. **ultrarelativistic** [Tom09]. **ultrashort** [BDV04]. **ultrasoft** [HP06, LMM⁺08]. **ultrathin** [KKKC07]. **Umbrella** [BL05, SR01b]. **uncertainties** [Con04]. **Unconstrained** [LÅT04]. **undamped** [DWZS05, Wan06a, Wan06c, WW06]. **under-relaxation** [TCF00]. **underdense** [Mah08a]. **undergraduate** [Chr00, Gou00]. **underground** [Kud09]. **Understanding** [Bal01, BChP09, DSL09, Müs02b]. **uniaxial** [CAW00, LTT09]. **unification** [VPCK04]. **Unified** [DKMF03, Ram12, Ida00, Ida03a, Ida03b]. **uniform** [BCD⁺07, JTS⁺06, KV08, KH06, NJ01, WHO02, vHK00]. **unimolecular** [FS01a]. **unit** [YT01a]. **unitary** [MA06]. **Units** [LSVMW08, AGS07, CDD08]. **Universal** [BBS09, LNLK01, Dzu09, GPW04]. **universality** [BBS09, SAG⁺02]. **universe** [BAD01, Fel08, FT08, Yos09]. **university** [HF00]. **unknown** [Fat02, LVH07, SSZ01]. **unpolarized** [Vog05]. **unsteady** [DM09].

Unstructured [SG04b, CSC⁺04, LHS⁺06, MCLDP01, MOS00, MOS01, ISX05]. **up-date** [Fri09]. **updated** [EH06]. **upgrade** [Dan09a, SBCZ08]. **upgraded** [CWW06a, CWW06b]. **UPIC** [Dec07]. **upper** [SKRK04]. **upscaling** [Bra05]. **upwind** [GZ07, ID09]. **Usage** [Fra07a]. **Use** [CMRS02, MN01, MTJ02, RF04, Swi04, BNF⁺09, CFJ09, FdO09, MVS05, MA04, MA08, Nap09, Sal02, SS02a, WH06]. **used** [BDK⁺06, PBB⁺04]. **User**

[MCLDP01, Bar04, BT04, BCKT09, CGC⁺09, Hor09]. **user-interactive** [CGC⁺09]. **uses** [BOPC05]. **USFKAD** [KS07]. **Using** [CFJ09, GCD06, KBV09, PMG07, AGJJ07, AP04, Alf09, ASH06, AL08b, ADG08, Bar03, BS03, BDW06, Bek06, BS04a, BR09, BFL04, BH01, CN01, CLFH07, CFKM01, CA09, CMT00, CMT01, Cip07, Cip08, CC00, EMJH03a, FKMB09, FS00, GVMW04, GMAHV⁺09, GFP00, GF02c, GSS06, Goe02, GOG00, GFS03, Haf07, Har00, HKP02, IH01, ISS⁺02, IKO00, KPD06, KW07, KD09, LdVJ06, LLT⁺02, LWLL07, Lik01, LSVMW08, LMS⁺02, LNC⁺03, Lüs04, Mah08a, MSY07, MTLC01, ML03, MBR01, Mas05, MFVJ07, MA06, MC09, MM05, ME00, MT00, Nik03, Nil07b, ON08, PL05, PLS09, PAT⁺09, RB08, RGD⁺01, ISX05, SNS01, iSAK⁺08, Sch06b, SBM02, SLL07, SR05, SGF04, SOAW08, SSP08a, SSP08b, SPS09, SGL09, SM02, SDNR05, SSB04, TAM04, TIN⁺09, TiTD01, TKSR00, TWY09, TdFK00]. **using** [ULA⁺02, UVLRRC09, VKM⁺05, itVPG08, VK09a, VK09b, Vor02, VBC07, Vul03, WPL02, WP00, WTW04, qXbL04, qX08, YWLC04, ZE00, ZF09, dDSFY04]. **USPEX** [GOH06]. **Utilities** [Fri01, NFH06]. **Utilizing** [BLM01, MHS05].

v [Kol03, MMEH08, DO05, FIBT01, Har00]. **v.1.00** [AAB⁺07, AAB⁺06]. **v.6.21** [BBC⁺01b]. **v1.0** [CJT06]. **v1.00** [BD05]. **v1.1** [BRdAHK04a, BRdAHK04b, dAK01]. **V1.1.0** [vdB08]. **v1.66p** [SDNR05]. **v1.75r** [DD00]. **v2.0** [Nat10, TGD07, TL08b, Nat09]. **v2.08i** [DO04]. **v2.08k** [DO05]. **v2.1** [RdAGV⁺00]. **v2.3** [Mah09a]. **v2.40h** [DSC⁺09]. **V3.0** [Tót08, Mah09b]. **vacancies** [CC08]. **vacua** [vdB08]. **vacuum** [ATIO06, FS02, GHIL09, KTG04a]. **valence** [CYAS05]. **Validation** [MC01, BB03, CHL⁺07, PS09]. **Value** [IHAR09, ASVA00, CFKM01, LJ09a, LC00, PAS09, Ram04, SVA01, WW05, Wan05b, Wan06b]. **valued** [FH04, HM06b]. **vapor** [JBA05, MSK⁺05]. **vapor-liquid** [MSK⁺05]. **variable** [CLFH07, IVD03, LL08, MBG03, SSZ01, Van05c, WTW04, qX09, Yan03d, ZLL09]. **variable-coefficient** [LL08, qX09, ZLL09]. **variable-phase** [MBG03]. **variables** [Str05]. **Variant** [RK05]. **variate** [BBBD06, Bel05]. **Variation** [IN02, NRR01]. **Variational** [OBG09, FMG00, GLMADB⁺02, MM01, PAT⁺09, SM02, Var08, WLH00, Yok09]. **variety** [TLP04]. **various** [Nii00]. **varying** [CAW00, Koz02]. **VASIMR** [IDS⁺04]. **VASP** [Haf07]. **VASP-a** [Haf07]. **Vbfno** [ABB⁺09]. **Vector** [Bal07, San00, Whi00, EFS⁺08, EL04, Kat02, Mas05, Rap06, ULA⁺02, WLH00]. **vector-parallel** [Rap06]. **vectorised** [KSYE00]. **vehicular** [Wal03]. **Velocimetry** [iSAK⁺08]. **Velocity** [HTM⁺08, BS08, GRS06, HOT07, Luo00, NHS07, SM06b, TKSR00]. **Velocity-dependent** [HTM⁺08]. **velocity-field** [GRS06]. **verification** [UXD⁺09]. **verifying** [GI09]. **Verlag** [Hoo04, Par04, Sha04, Vio04]. **Version** [Abe01, BBPS06, HHH⁺09, Wol03, AAC⁺06, BLS01, BFB⁺09, BNFM⁺09, CWW06a, CWW06b, CGVA08, CGVA09a, Cip07, Cip08, Cip09, CGK⁺00, DS06, DD00, DO04, DSC⁺09, EHHH06, FA00, GS01b, HTNFBS06a, HTNFBS06b, JWW00a, JPS⁺01a, JPS⁺01b, JS07, JC01, KRW03, KJ07, Mil07, MAM07, Nat09, Nat10, PDL04, Pit05, Pöt00, RC04, SYM00, TGD07,

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W [RP02]. **waiting** [DS01]. **walk** [Bal01, GG00]. **walks** [Jen01, JH09b, MP08, SFSH01]. **wall** [HYY07, JKKT00, KT07, MV04, SGK09, SPP⁺04, SZ04, SBCZ08, WGL06, WS02, HS01a, SZ04].

Wall-Limiter [SZ04]. **walled** [YN05b]. **walls** [PLL07]. **Wang** [BR09, DGAG06, LWT08, LOL06, LWLL07, PRSB08, SWL09, WL08, YD07, Zha08]. **Wannier** [GFS03, MYL⁺08]. **wannier90** [MYL⁺08]. **water** [Bac02, CTI07, DN05, EVL00, JBA05, MSS⁺09, Sho04, Sho07]. **WATERWAVES** [TT06]. **Wave** [HTM01, ISSB01, KRTZ02, THM01, AJ08, ADG08, BB07, BS04b, Bow02, BBR04, BDP00, BVKW02, Cai09, CR05, CYAS05, CWW06a, CGA⁺07, CGVA08, CGVA09a, DKV00, EELZS04, FW01, FPB08, FA00, GIME02, GBD03, GME06, Jen00, JTS⁺06, JG02, Kir06, KD09, KF03, LJ01, Lew04, bLpL02, LL04, LJ08, LJ09b, LKC06, pLbL03, LS01, yMS01, MCL05, Mas00, MNYY00a, MNYY00b, Mei01, Mic07, MS08b, MP01b, MSHP02, MSHP20, NM03, PDM⁺08, PCV06, Sal03, SJP05, SKH02a, Sar00, SLMS06, Sea02b, SWS⁺12, SWP03, TT06, WP06, WV05, YB02b, Zak00a]. **wave-packet** [Sal03]. **wave-particle** [yMS01]. **wavefields** [JBBR01]. **wavefunction** [TP01]. **wavefunctions** [AC05a, AC05b, SKF05]. **wavelength** [SLC09]. **Wavelet** [TK09, MA00, OS00b]. **wavelets** [SSP08a, SSP08b]. **wavepacket** [HSGBK08, MGG08]. **waves** [ABC⁺03, DJ04, DEW01, FD03, HBR05, Hon04, IDS⁺04, KV07, PPP01, VKM⁺05, VAH04, WBDB04, Zak00b, Zak01]. **WAVR4** [KLTH04]. **way** [BSW⁺07]. **weak** [AJ08, FSK04, HL00c, JG02]. **weakly** [GLMADB⁺02, Lon07, MV04]. **wearless** [HOT07, HTM⁺08]. **Web** [BCD⁺01, CBM⁺05, DBE⁺04, KFJ⁺09, KKHL07]. **Web-based** [DBE⁺04, KKHL07]. **Web-deployed** [KFJ⁺09]. **wedge** [BMML05]. **weight** [Blü09, De 02, FKAM05, GDC01]. **weighted** [KOS⁺09, MTC07, SR01b]. **weights** [BBJW05]. **well** [CHL⁺07, LLLZ01]. **well-type** [CHL⁺07]. **Wells** [Wan00, Mam08, Moh08]. **wet** [Ger07]. **wetness** [Nii00]. **Wetting** [WS02, MMB02, Mü102, Pur02]. **Wheeler** [KNU00]. **Where** [OLX07]. **which** [BCV03, FGA04]. **while** [TPBE04, ZZH09]. **Whistler** [ADG08]. **white** [RRRHD08]. **whither** [Rap02a]. **Whittaker** [Nob04, AS03]. **whole** [CHL05]. **Wide** [BCD⁺01, KLTH04, MNYY00a, Mic07, SM01]. **wide-amplitude** [KLTH04]. **wide-energy** [MNYY00a]. **widely** [BLM01]. **width** [Zak00a]. **widths** [EH06]. **WIEN** [Gao03, dlRL09]. **WIEN2k** [SBM02]. **Wigner** [PFG06a]. **Wiley** [Wan00]. **Wilson** [BKKS09, Cun09, JU09, MHK⁺05]. **window** [CJC09]. **windowed** [CL08a]. **windows** [CNDC09, HC08, Hor09, JC01]. **wing** [VKN07]. **winners** [Ano04a, Ano04b, Ano04c, Gra02]. **wire** [EMJH03a, RG04]. **WIRED** [BCD⁺01]. **Wires** [Wan00, FHR⁺05, GPT08]. **within** [ADS06, BD05, FSB09, FKG00, GFG⁺06, PLPS08, SS09a, SA09]. **without** [BH08, GSS06, Ort00]. **WKB** [KM06]. **Wolff** [GDAG05a, GDAG05b]. **wonderful** [Rap02b]. **Woods** [MAM04, MAM07]. **work** [Gre04]. **workflow** [BCC⁺06]. **World** [BCD⁺01, PB09a, Rap02b]. **worldlines** [MG09c]. **worldwide** [Shi07, Shi07]. **would** [NKV03]. **WPHACT** [ABM03]. **written** [Gro01]. **WTC** [ZLL09]. **wurtzite** [GRS06, Tsa02]. **WW** [JKW06, JKW00]. **WWW** [BB03]. **Wynn** [ÇHM00].

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]. **xmids** [CD01b]. **XML** [GM00]. **xPerm**
 [MG08b]. **XSummer** [MU06]. **xylo** [BSB02]. **xylo/phosphodiesteric**
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