

# A Complete Bibliography of Publications in *Computer Physics Communications*: 1970–1979

Nelson H. F. Beebe  
University of Utah  
Department of Mathematics, 110 LCB  
155 S 1400 E RM 233  
Salt Lake City, UT 84112-0090  
USA

Tel: +1 801 581 5254  
FAX: +1 801 581 4148

E-mail: [beebe@math.utah.edu](mailto:beebe@math.utah.edu), [beebe@acm.org](mailto:beebe@acm.org), [beebe@computer.org](mailto:beebe@computer.org) (Internet)  
WWW URL: <http://www.math.utah.edu/~beebe/>

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## Title word cross-reference

$(a, a')$  [SR73, SR73].  $(a, b)$  [SMD71, SR73].  $(a, b\gamma)$  [SR73].  $(a, b\gamma - \gamma)$  [SR73].  
 $(a, b\sigma)$  [SMD71].  $(a, b\sigma - \sigma)$  [SMD71].  $(a, \gamma)$  [SR73].  $(a, \gamma - \gamma)$  [SR73].  $(\eta, \rho)$   
[BDG<sup>+</sup>72].  $(np)^q$  [CLS<sup>+</sup>70]. + [CL79]. 1 [RCL75]. 1/2 [Hei72, KF71, SDH74].  
**\$15.00** [Sut72]. **\$15.20** [Chr75a, Gos78, Mor78b]. 2 [BPW71, Bun76]. 3  
[Bun76, CSC74]. **\$35.95/Dfl** [Hib79]. 3*j* [SG76]. 3*n* [Sha70]. 6*j* [SG76].  
**\$7.70** [Cam72]. = [CL79]. + [BS77]. 2 [CL79, DST75, Mag75, RS76]. *A*  
[Kac77].  $\alpha$  [KPH78].  $b_n$  [BS77].  $d$  [Chi73b].  $\eta$  [BFSG74].  $f$  [AM74].  $F_0(x)$   
[SC71].  $h$  [CMS77].  $H_n^{(1)}(z)$  [AM79].  $H_n^{(2)}(z)$  [AM79].  $Hx = eSx$  [Nas74].  $i$   
[Hub70a].  $I = 32$  [DG75].  $J$  [Cha74, Cha74, Rei79, Hub70a, Hub70b, Sha70].  
 $J_0$  [AM77].  $J_1$  [AM77].  $j_l(r)$  [Del79b].  $j_n$  [AM78].  $J_n(z)$  [AM79].  $J_\nu(x)$   
[Cam79].  $jj$  [Gra72, PGB78].  $L^2$  [Rei73, Rei79].  $\lambda$  [Chi72].  $LU$  [KPP79].  $N$   
[KK71, CN73, Mor78a].  $O(3)$  [MPS75].  $P_L^M(x)$  [Del79a].  $R$   
[BBC<sup>+</sup>74, BBL<sup>+</sup>78, BBL79, Bur73, Cla78, LWSS79, Rob72].  $R^k$  [Lew70a].  $\rho$   
[BFSG74].  $S$  [Cug73].  $S = 1/2$  [MGTD73].  $S_n$  [SM78c].  $SU(2)$  [Sha70].  $SU(3)$   
[Bra78a, Bra78b, CN73].  $SU_3$  [AD73].  $\rightarrow$  [CL79, vdM72].  $U(3)$  [MPS75].  $X$

[EG74].  $Y$  [EG74].  $Y_2^0$  [Hir73].  $Y_4^0$  [Hir73].  $y_n$  [AM78].  $Y_n(z)$  [AM79].  $Y_\nu(x)$  [Cam79].  $Z$  [Lew70b, Lew79].

- [Cha74, Hub70a, Sha70]. **-coupling** [Gra72, PGB78]. **-D** [CSC74]. **-expansion** [Lew70b, Lew79]. **-matrices** [Chi72]. **-matrix** [BBC<sup>+</sup>74, BBL<sup>+</sup>78, BBL79, Bur73, Cla78, LWSS79, Rei79, Rob72]. **-particle** [Mor78a]. **-spin** [Hub70a]. **-stability** [CMS77]. **-state** [Cug73].

**01** [BPW72c].

**1** [CRL78, Mag78]. **10.25** [Bra72c]. **10.50/\$22.00** [Del77]. **10.75** [McN71]. **11-15** [Ano78t]. **12.15** [Bee73]. **15** [DTE74]. **17.20/\$29.00** [Gra78]. **18.70** [Nor73b]. **1975** [Ano74d, Ano74e]. **1977** [Ano76h]. **1978** [Ano79f]. **1p** [MNJL71]. **1p-shell** [MNJL71].

**2** [CHW<sup>+</sup>78, CW79b]. **2.15s** [Hoa70]. **2.50** [Pat73]. **22** [Smi77].

**370** [HRR75]. **370/165** [HRR75].

**5.50** [May74, Moo72, War73]. **50** [RR74].

**6.75** [Smi72]. **6.95** [Lai74]. **6000** [Str74]. **6000/7000** [Str74]. **6500** [HRL75].

**7.00** [Zac74]. **7000** [Str74].

**8.15** [Bur72a].

**9.50** [AF72b]. **90.00** [Hib79].

**A-Three** [Aue78]. **AAKF** [FS75b]. **AAKL** [Sax77b]. **AAKP** [Sax77a, Sax78]. **Abel** [FS75a, FC74]. **absorption** [All72, CHMM73, Mor72]. **Academic** [Bra72c, Bur72a, McN71, Smi72, War73]. **accelerator** [Kon78b]. **according** [Wil70]. **accuracy** [TS75b]. **Accurate** [AM79, CS78]. **achieved** [BH72]. **ACQN** [NA72]. **acquisition** [Rus73]. **ACRL** [BTS74]. **acrz** [God78]. **Activities** [Ano75c]. **Adams** [Moo79b]. **Adaptation** [CT79, GH76, Hib74b, Hib74a, MRW76, Sax77a, Sax78, Deu79c, God78, Hub70d, MW70, MW71a, MW71b, MW71c, MT79]. **adapted** [BTS74, FS75b, NA72, Sax77b]. **adaptive** [Gen72]. **additive** [Joh73]. **Adiabatic** [RCL75, Hen75, NW79]. **adjuster** [Han78f]. **Adriatic** [Tom73]. **advance** [Bun76]. **adverse** [LM71]. **afterglows** [LNS76]. **aid** [FC71, Zhi72]. **aided** [KS78]. **air** [Goo74, Sta72]. **Alan** [Del77]. **Alder** [Bra72c, McN71]. **Alfven** [WBG79]. **algebra** [Jon74]. **Algebraic** [Vel72, AT75, BH79, Ner78, Str74]. **algebras** [Bos76a, Bos76b]. **Algol** [KPPR76, Jab73, KPPR76, SMD71]. **algorithm**

[BB70, Bos76a, Chi72, Klu72b, PW73, Tob79]. **Algorithms** [Cha76]. **aligned** [RSL<sup>+</sup>78]. **alkali** [Moo71c]. **alkali-like** [Moo71c]. **all-purpose** [vM76a, vM79a]. **Allowed** [Hub70a]. **allowing** [KK75]. **alloys** [BP77]. **alpha** [SDH74]. **ALTRAN** [FP73]. **amorphous** [KH78, RM76a, RM76b, RM76c]. **amplification** [RS76]. **amplitude** [CSP<sup>+</sup>79]. **Amplitudes** [Moo71c, GPS75, PS76, PS77, Rei73]. **analyser** [CHMM73]. **analysing** [KE72, KE74, VDM78, War78, Zhi72]. **Analysis** [BB74, BGM79, Cro72, HEL71, Sal75, AK76, AWG71, BJ76, BCV<sup>+</sup>72, CMS77, CT71, De 75a, GCCB73, JR75, KN73, NM73, PS78, RR76, Sut72, VG74, WW74, WW72, Zlo79, vMG73, vM75c, vM75a, vM78a, vM79b, Hib79]. **Analytic** [CN73, CSP<sup>+</sup>79, CC79, Goo74, Tro73, Lab79c]. **Analytical** [TYCT73]. **analyticity** [Nut73]. **analyze** [AZS<sup>+</sup>79]. **angle** [Deu79a, Deu79b, Deu79c, Deu79d, SK79]. **Angular** [TTW79b, Tam70, BRT78, BGMP79, Gra73a, Gra76b, Hib70, Hib71, Hib74b, Hib74a, Hub70a, Lab79b, Lan70, RV78, RSL<sup>+</sup>78, SDH74, TTW79a, Wil71]. **anisotropic** [LB76, Pet76a, ST72]. **Anna** [AK76]. **annotation** [Bur70b]. **Announcement** [Ano73a, Ano74a, Ano76a, Ano79a, Ano79b]. **anomalous** [TT78]. **antenna** [FM79]. **Application** [Ano72a, FC74, KKN<sup>+</sup>72, KSSA78, Wil72, BPZ73, BS75a, EJ77, Ner78, TYCT73]. **Applications** [BH79, Sou73, BP73, Cam70, Dem72, Kil79, Nad76, PB73, TA72, War73]. **Applied** [Mor78b, TSD76]. **Approach** [Cal72, BGT76, Yos78, Gra78]. **approximant** [Bur72a]. **approximants** [GMR75a, GMR75b, Sta76, War73]. **approximate** [CE75, Ort72]. **Approximation** [Jab73, ATV76, Bok78, Cha75, GPS75, Hen75, NK78, PS76, PS77, TCR71, Lab79d]. **approximations** [Lab79c]. **Arbitrary** [Sha70, Deu79c, Deu79d, Hub71, KK77]. **architecture** [Pen78]. **arcs** [FCW78, SF78]. **area** [BS74]. **Argument** [AM77, K6l72a, AM78, AM79, Cam79]. **arising** [Jes79]. **AROSA** [RR76]. **AROVMI** [AF72a, AF74]. **array** [Nas74]. **artificial** [BD72]. **aspects** [AAB75, GJ76]. **assignments** [SDH74]. **assistance** [Sut72]. **assisted** [AWG71]. **Associated** [Bra73, Del79a]. **astronomical** [BCV<sup>+</sup>72]. **astronomy** [Sch78, Wil72]. **astrophysics** [Tho72]. **asymmetry** [DG75, PI78]. **asymptotic** [Chi73a, Nor73a]. **asymptotically** [AAJ76]. **Athene** [CRL78]. **atom** [AT75, AV78, CSW78, DT79, Joa73, NM73, Nes79, Rei73, Rin79, ST73, TYCT73, Yat71]. **atom-molecule** [DT79]. **Atomic** [Ano79f, Bra72c, Moo72, MR73, BBC<sup>+</sup>74, BBL<sup>+</sup>78, BB77, Bur72c, Bur73, CCR79, CLS<sup>+</sup>70, Cro72, DSK72, DSK73, DHN79, DH71, EJN74, Fis73, GPS75, Gra73a, Gra76b, Gra79, Hib70, Hib71, Hib74b, Hib74a, Kla71, Lab79a, Lab79b, Lew70b, Moo71c, Nut73, PS76, PS77, RFSG72a, Rei79, Rob72, WB74]. **Atomique** [Ano75c]. **atoms** [Aur77, BBH<sup>+</sup>77, CCR76, GH78, Gra78, Lew79, LCW71, Mal70, Nus70, Per73, Sil78a, Sil78b, Wil78, WS79]. **Author** [Ano72b, Ano72c, Ano72d, Ano73b, Ano73c, Ano74b, Ano74c, Ano75b, Ano75a, Ano76b, Ano76c, Ano78a, Ano78b, Ano78c, Ano79c, Ano79d, Ano79e, Ano70h, Ano71d]. **authors** [Ano74o, Ano76m, Ano77i]. **Automatic**

[EGMS72, PPR72, VG74, vMG73, BCV<sup>+</sup>72, BEK<sup>+</sup>72, CMW74, vM75c].  
**automation** [Pen78]. **averaging** [vM79b]. **axial** [PI78]. **axially**  
 [Cam75b, DEW78, Ugn78]. **axisymmetric** [KS73, KS75c].

**B** [Bra72c, McN71]. **Back** [Vio72]. **backward** [MT79]. **bag** [CH74]. **Baker**  
 [Bur72a]. **Band** [Gru75, Hof71, HM71a, HM71b, HM71c]. **bands**  
 [HRB72, MW70, MW71a, MW71b, MW71c, WC78]. **bandstructure**  
 [De 75b]. **bank** [GCCB73]. **Barbara** [SMD71]. **base** [Rob79c]. **based**  
 [Hof74, KK77, Kon78b, Mat72, WBG79]. **bases** [MPS75]. **basic**  
 [CW79a, Sut72]. **basis** [AT75, AN79, Rei73, ST73]. **batch** [CMW74].  
**BATMAN** [CMW74]. **BCC** [MR77]. **be** [CSP<sup>+</sup>79, dJ78]. **beam** [IL74].  
**beam-foil** [IL74]. **beams** [LL72]. **Beeler** [Nor73b]. **behaviour**  
 [CIT73, CL79, Wes76]. **Bertziss** [Smi72]. **Bessel**  
 [AM77, AM78, AM79, Cam79, Del79b, SZ79]. **between**  
 [BGMP79, DEW78, DF76, FT71, Gia76, Jam70, Mal70, Per73]. **Bicubic**  
 [Cha75, CM79]. **binary** [BP77, Gol70, MR77]. **binding** [Cug73]. **biological**  
 [Cro72]. **BNDPKG** [WC78]. **Board**  
 [Ano71a, Ano72g, Ano72h, Ano72i, Ano73f, Ano73g, Ano74h, Ano74i, Ano75g,  
 Ano75h, Ano76i, Ano76j, Ano77b, Ano78i, Ano78j, Ano78k, Ano79j, Ano79k].  
**body** [Ahl79, Ass75, Bra72b, Bra72a, HIM73, Kel79, Mue71, Sil78a, Sil78b,  
 TYCT73, Wil78, WS79]. **Boltz** [TSD76]. **bombardment** [MM74, MRW76].  
**bond** [NW79]. **Book** [AF72b, Ano79f, Bee73, Bra72c, Bur72a, Cam72,  
 Chr75a, Del77, Gos78, Gra78, Hib79, Hoa70, Lai74, May74, McN71, Moo72,  
 Mor78b, Nor73b, Pat73, Smi72, Smi77, Sut72, War73, Zac74]. **Born**  
 [Hol79, Moi73, NK78, TCR71]. **Bound**  
 [DHD74, LR71, Bat74, DeV76, Fis73, LW75, SS74, SS76]. **boundary**  
 [Cam75b, De 77, O'C76, RD79]. **brackets** [Dob79, FT75, LJ71, SG72].  
**Brandt** [Hib79]. **Breit** [BGMP79]. **Bremsstrahlung** [BRT78]. **brief**  
 [Fos72]. **Brody** [LJ71]. **bubble** [BSP71, BD72, BEK<sup>+</sup>72]. **bulk** [Mor72].  
**Butterworths** [Hoa70].

**C** [Hoa70, Nor73b]. **C.P.C.** [Ano70b]. **CACI** [Smi77]. **caesium** [ÖW70].  
**Cain** [Zac74]. **Calcomp** [CA70]. **Calcul** [Ano75c]. **calculate**  
 [BGMP79, BBC<sup>+</sup>74, BBL<sup>+</sup>78, BTS74, Bur70c, DHN79, DH71, Duf77, EM74,  
 EM76, God78, Gra73a, Gra73b, Gra76b, Hib71, Hib74b, Hib74a, Hib75, Jam70,  
 KF71, Klo75a, MT79, NA72, PV74, RBHW76, SM78a, Ste79, TSD76, dJ78].  
**calculated** [Gue74, Hen75]. **calculating**  
 [BRT78, Bat74, BTS73, FT71, Gia76, Gru79, Hib70, Hof71, HRB72, Hof74,  
 Isl73, Jon74, KM74, MRCL76, MW70, MW71a, MW71b, MW71c, MS78,  
 MT76, PGB78, RR74, RSL<sup>+</sup>78, Sei73, Tal76, Yat71]. **Calculation**  
 [BM76, BCE79, Cal72, CHR75b, GMR75a, JP78, KM79b, LLC76, MRW76,  
 Mik74, Moo72, PS74, Pie73, Pre79a, RFSG72a, Sal78, SS71, AN79, AAJ76,  
 All72, And70, BKE79, CLS<sup>+</sup>70, Cop74, Cop75a, EJN74, FK73, Fer75, FFH76,  
 GPS75, GMR75b, Han78c, Han78e, Hol79, JPB78, Kac77, Mar73, PS76, PS77,

RFSG72b, Ran72, Rei73, RS74, RS75, Sta76, TT78, WC78, ZDN78, vdB74].  
**Calculations** [Dob79, FT75, AT75, AFH71, AF72a, AF74, Ahl79, AAH72, Aue78, BC79, Bet75, BP75, BBL79, CB78, Con79, Cop75b, Des70, Dic79, Ell75, FB75, FKU<sup>+</sup>76, Gra79, Han78a, Jad75, Kel79, KK77, Ner78, Nes79, Net75, Nut73, RR76, Rob72, TL74, Yos78, vdM72]. **calibration** [Wil72].  
**CAMAC** [Kol78, Taf75b]. **Cambridge** [Pat73]. **Canterbury** [GMR75a].  
**cards** [Fem71]. **Carla** [SM78a]. **Carlo** [Chr74b, Cop74, Cop75a, Cop75b, DS75, Jad75, Kas75, KVV70, Mor78a, MR77, Per73, Ran72, RR74, Sta72, SK79, Wil72]. **CARS** [SLH78]. **cascade** [AV78]. **cascades** [Ran72, RR74, SV79]. **case** [GPS75, PS77, RM76a, RM76b, RM76c]. **Castor** [CW79b]. **catalogue** [Haw73]. **cavity** [Kon78b]. **CDC** [HRL75, LS79, Str74]. **cell** [JP78]. **center** [Yur78]. **centre** [Ano75c]. **certain** [Hol79]. **CFP** [Bra78b]. **CFPJJ** [Gra72]. **CFPJJ-Fractional** [Gra72]. **chain** [KSSA78]. **chamber** [BSP71, BD72, BEK<sup>+</sup>72, EGMS72]. **chambers** [BCV<sup>+</sup>72]. **change** [Fem71]. **changes** [KM79a]. **channel** [HLS75, NK78, SDH74]. **channel-spin** [SDH74]. **channels** [Com78, RSA74]. **characteristics** [Dem72, Dem78]. **charge** [DE72, Mal70, NW79, vdB74]. **charge-exchange** [vdB74]. **charged** [CJ71]. **charges** [Ano74d, Ano74e, Ano76h]. **Charlotte** [Gra78]. **Chebyshev** [Del79a, Del79b, She74, She76]. **checking** [Hib74a, Sax78]. **checks** [NM73]. **chemical** [OBLR73, Rob79a, Rob79b, Rob79c]. **chemistry** [FH74, Ner78]. **chief** [Hoa70]. **chloride** [ÖW70]. **CINDY** [SR73]. **CIV3** [GH76, Hib75]. **Classical** [BPW71, BPW72a, BPW72b, BBH<sup>+</sup>77, CMS77, Per73]. **Clebsch** [RB75, SM78c]. **Clebsch-Gordan** [SM78c]. **Close** [Sea73]. **closed** [CW79a, Sin70, Tro73]. **clouds** [BS77]. **cluster** [Mue71]. **clusters** [KM79b]. **CO** [DST75, Mag75, RS76]. **COCHASE** [HLS75]. **code** [Aue78, CHW<sup>+</sup>78, CAR74, CRL78, CW79b, CH74, DTE74, DST75, DH75, ETH73, ET76, Fem71, FB75, GA74, HLS75, Kon78b, LNS76, NK78, RR76, RSA74, SM78a, Tal76, TSD76, WBG79, vM75c, FSR78]. **codes** [DSK72, DSK73, HW77, Rin79]. **codes-V103** [HW77]. **Codnum** [Fem71]. **coefficient** [Bur70c, Gra73b]. **Coefficients** [Hub70b, RB75, SG76, AD73, AM74, BGMP79, CN73, Chi73b, DHN79, DW72, DH71, Gra72, Gra73a, Gra76b, JS72, Joh73, LB76, MRCL76, Nus70, PR75, RV78, Rob79c, RSL<sup>+</sup>78, SM78c, SF76, Tam70, TS75a, TSD76, Tob79, Wil71, Zoh72]. **coherent** [SDH74]. **cold** [BS77, FM79, SR78]. **Colin** [Pat73]. **collect** [vM78b]. **colliding** [MS78]. **collinear** [CL79]. **Collision** [Moo72, Sar70, BKE79, BC79, Cla78, Con79, CSW78, Dic79, Hof74, Hub73, McC75, NM73, NA72, OS71, Sal78, Yat71]. **collisions** [BBH<sup>+</sup>77, GPS75, JB77, Joa73, KVV70, LWSS79, Par73, Per73, PS76, PS77]. **Collrad** [Tal76]. **Colour** [BP75]. **column** [TT78]. **combination** [Wil70]. **Combinatorial** [BB77]. **Comment** [Pay76]. **committee** [Ano72n]. **committees** [Ano76o]. **common** [Klu72b]. **Communications** [Ano74d, Ano74e, Ano75d, Ano76d, Ano77a, Ano78d, Ano78e, AF72b]. **compact** [KPH78, Nas74]. **compared** [CT79]. **comparing** [ABMT78].

**comparison** [AMB75, GCCB73, ZKU79]. **Compilation** [Haw73]. **Complete** [Ell75, Han78a, KK77]. **Complex** [AM77, Köl72a, TTW79a, TTW79b, AM79, KF71, Nus70, SF76, dJ78].  
**component** [CMS77, O’C76, Sta72]. **compound** [SM78a, SMD71, SR73, SDH74]. **compound-nuclear** [SDH74]. **compounds** [KN79b, KN79a]. **comprising** [RD79]. **Compton** [SS76]. **Computation** [BS74, BS75b, BS77, Cug73, Deu79b, Deu79d, HIM73, Hei72, JVS72, Kno70, Köl72b, Lac76, LJ71, LB76, Mal70, MBW76, Pay72, SMD71, SR73, SR78, AL79, BGT76, BKK76, Blo72, BB77, BH79, CS78, DG75, DE72, Del77, Dem78, FCW78, Han78c, JS72, Joh73, Klu72a, Lab79a, Pet76a, RD79, Ste76, Zoh72].  
**Computational** [Ano79f, Bra72c, BH72, DT79, GJ76, GA74, Hib79, McN71, Ned72, RC72, Ano79f, Bee73, Lai74, May74]. **computations** [KS75a, Kla71, Lab79c, MR77]. **compute** [Chi73a, Chi73b, WB74].  
**computed** [Klu72b, vdSVSH73]. **Computer** [AF72b, AWG71, BJ76, BK72, BS75a, CT71, Chr74a, DBB71, Gro72, KS78, KM79a, MS72, MGTD73, PW73, Pen78, Rap74, Ryc78, Sch73, Sch72, ST72, Tho72, Tor73, WD77, WP73, BB74, CHW<sup>+</sup>78, CLS<sup>+</sup>70, Daw72, EJ77, EM74, EM76, Gio79, Han78a, Han78b, Han78c, Han78e, Haw73, JB77, Kac77, LL72, LB78, PR75, Rob71, RM76a, RM76b, RM76c, Tom73, WDM77, Zac72, Zhi72, Ano74d, Ano74e, Ano75d, Ano76d, Ano77a, Ano78d, Ano78e, Sut72, Hoa70].  
**Computer-assisted** [AWG71]. **Computer-drawn** [BS75a].  
**computer-simulated** [WDM77]. **computers** [BTS74, BS75a, Bur72c, Cas72, Cha72, DTE74, ETH73, NA72, Pas72, Sou73, Taf75a, Web73, vM75c].  
**Computing** [Aig72, Bos76b, Köl72a, Mor78b, O’C76, Han78d, Haz72, McC75, Nad75, Rou72, Tel73, TW79, Vio72]. **concepts** [BPZ73]. **concerning** [Bou72]. **conditioned** [TA72]. **conditions** [Cam75b, De 77, LM71]. **Condon** [Tob79]. **conduction** [Fos72]. **conductivity** [RM76a, RM76b, RM76c].  
**Conference** [Ano79f, Cam72, Chr75a, Ano78p, Gos78]. **configuration** [AN79, BCE79, CLS<sup>+</sup>70, Fis70, Fis72, Fis78, Hib74a, Hib75]. **configurations** [BDD78, Cha74]. **confinement** [BMS72]. **conjugate** [KPP79]. **connected** [Rap74]. **considerations** [Lab79b]. **consistency** [NM73]. **consistent** [CCR76, Des70, LCW71]. **constant** [Han78f]. **constants** [BCE79, JP78].  
**Construction** [HM71c]. **contained** [BM76]. **containing** [MR73, Rob79c].  
**containment** [CHW<sup>+</sup>78, CHR75b]. **Content** [Ano76e, Rob79a]. **Contents** [Ano70a, Ano72e, Ano72f, Ano73d, Ano73e, Ano74f, Ano74g, Ano75f, Ano75e, Ano76f, Ano78f, Ano78g, Ano78h, Ano79g, Ano79h, Ano79i, Ano71e].  
**continua** [Rei79]. **continuity** [Bor76]. **continuous** [CCR79]. **Continuum** [AT75, Bat74, BBC<sup>+</sup>74, BBL<sup>+</sup>78, BFKD77, BS75b, DF76]. **Contribution** [Daw72, KS75a]. **contributions** [Mue71, TS75a]. **control** [BP73, CR74, HRL75, KM79a, Rus73]. **controlled** [TS75b]. **Convection** [Gra76a, PW72, MPW73]. **conventions** [BPW72c]. **convergence** [CH75, Hub70d]. **convergent** [DESL79]. **Conversion** [Gol70, DHN79, DH71, PR75]. **Converter** [Sal76]. **Cooley** [Gue74].  
**coordinate** [BP75, CB77, De 75a]. **coordinates** [Han78a, Hug71, MR73].

**core** [Bat74, CCR79, CHR75b, Hir73, HH75, LS79]. **Coriolis** [Kac77].  
**coronal** [Duf77]. **correction**  
 [Deu79a, Deu79b, Deu79c, Deu79d, Fis71, Han78b, Rem72]. **corrections**  
 [DHN79, EJM74]. **correlated** [WD77]. **correlation**  
 [MRCL76, RSL<sup>+</sup>78, WDM77]. **correlations** [CSP<sup>+</sup>79, JB77, JR75].  
**corresponding** [Sch74]. **cosine** [TS75b]. **Coulomb**  
 [AAJ76, AL79, BDG<sup>+</sup>72, BFG74, Bar76, DF76, FB75, Köl72b, LJLC72,  
 PS76, RR76, RSA74, SS71, SF76, TTW79b]. **Coulomb-nuclear** [FB75].  
**Counting** [Aur77]. **coupled** [Ahl79, BG72, Cha73, Che73, Chi73a, Cla78,  
 Com78, CSW78, GPS75, Hir73, HH75, HLS75, Hub70a, NK78, PS76, RSA74].  
**coupling** [BCE79, CN73, Cha74, Cla78, DW72, Gra72, Hub70a, Hub70b,  
 KK77, Nus70, PGB78, Sea73, Tam70, Wil71]. **CPC** [Ano76g, Ano76h].  
**create** [Rob79c]. **criteria** [DSK72, VD74]. **critical** [CSC74, Fis73]. **cross**  
 [All72, BKE79, Bet75, BTS73, BTS74, Com78, CLS<sup>+</sup>70, Hei72, Hen75,  
 LJLC72, McC75, MMM74, MT79, PV74, PS77, Sar72, Sar78, SMD71, SR73,  
 Yos78, vdB74]. **cross-collision** [McC75]. **cross-section** [Bet75, Yos78].  
**cross-sections** [PS77, vdB74]. **crossings** [Vio72]. **crystal**  
 [Ell75, Han78d, PS74, Pre79a, Ste71]. **crystalline**  
 [Han78b, Han78c, Han78e, Ryc78]. **crystallographic** [CA70]. **crystals**  
 [De 75a, Han78a, Han78f, LB76, SF76, WD77, WDM77, Wor72]. **cubic**  
 [AAMB79, BDD78, Bok78, LB76, WD77, WDM77, vM76b]. **curve**  
 [HE73, vM75b, vM76a, vM79a]. **curve-fitting** [vM76a, vM79a]. **curves**  
 [AMB75, RS74, Tel73, dJ78]. **CW** [Smi78]. **cylinder** [Cop75b]. **cylindrical**  
 [Hug71, Jad75, Pie73, ST72, TT78]. **cylindrically** [SF78].

**D** [Chr75a, CL79, May74, Bun76, CSC74, RCL75]. **Dalton** [Bee73]. **damage**  
 [CE75, Tor73]. **data**  
 [AAMB79, AZS<sup>+</sup>79, CSP<sup>+</sup>79, CM79, EJM74, GCCB73, Han78b, Han78c,  
 Han78e, Hib74a, Hib79, IL74, KM74, KN73, Moo79a, Mor72, NM73, PB73,  
 Rob79c, Rus73, Sal76, Sax78, Ugn78, Yat71, vM76b, vM78a, Smi72].  
**Database** [Smi77]. **DATSTOR** [Rob79c]. **David** [Lai74]. **Davydov**  
 [AFH71]. **Day** [Pat73]. **DBLCON** [War78]. **DCSCH3** [FC71]. **DCSCH4**  
 [FC71]. **decay** [FC71, IL74]. **deck** [Fem71]. **decomposition** [KPP79, Zlo78].  
**decomposition-conjugate** [KPP79]. **defect** [KM79b]. **defects**  
 [DBB71, LB76, Nor73b]. **deferred** [Fis71]. **deformation** [KN79b, PI78].  
**deformation-dipole** [KN79b]. **deformations** [Hir73]. **Deformed** [HH75].  
**degenerate** [MW70, MW71a, MW71b, MW71c]. **degradation** [LNV78].  
**degrees** [CIT73]. **delay** [CE75]. **Delphi** [Coh71]. **Delsqphi** [CH71a]. **dense**  
 [FS73]. **densities** [Rob79b, Tal76]. **density** [Chr74a, Chr74b, Cra72].  
**dependent** [Has76, LW75, Mag78, MPW73, Wei72]. **deposition**  
 [MM74, MRW76, PSBG73]. **Depth** [MM74, MRW76]. **Derivation** [HE71].  
**derivatives** [GMP76, JP78]. **description** [Coh71, WP73]. **Design**  
 [Gli78, VD74, DSK72, Web73]. **designed** [DTE74]. **Desy** [ADF<sup>+</sup>72].  
**detecting** [CSP<sup>+</sup>79, Sta72]. **detectors** [OVQT<sup>+</sup>76, SK79, Wil72].

**determinantal** [Lab79a]. **Determination** [Cam75a, WDM77, CSC74, DG75]. **Development** [Str79, Zac72, Cas72, Sar78]. **developments** [BC79, GJ76]. **device** [BMS72]. **diagonal** [GMR75b]. **Diagrammatic** [Sil78a, Sil78b, Wil78, WS79]. **Diagrams** [Cal72, CW79a, GVV79, KK77, PW73, WS79, WP73]. **diatomic** [BB74, FT71, Gia76, Sal78, SLH78, Sin70, Tel73]. **Diehl** [Sut72]. **dielectrics** [LVPG78]. **Difference** [MPW73, Fis71, HH79, Mor76, PPR72]. **Differential** [LJLC72, BJ76, BTS73, BTS74, Cha73, CSW78, Dem72, EJ77, Jes79, May74, Par73, PPR72, PS77, SMD71, SR73, Ugn78]. **differing** [Fun79a, Fun79b]. **diffraction** [Gru79, Han78b, Han78c, Han78e, vM76b]. **diffraction** [Kas75]. **Diffusion** [Fos72, CRL78, De 77, WD77, WDM77]. **diffusive** [WBG79]. **Digamma** [Köl72a]. **dilute** [KSSA78, OS71, Tho79]. **dimensional** [ABG<sup>+</sup>75, AK76, BG72, Blo72, Cho70, CH71a, CAR74, CRL78, CW79b, Dem78, DH75, EG74, Has76, LL72, LNS76, MPW73, RR74, RM76a, RM76b, RM76c, WBG79, Zlo79]. **dimensionally** [GVV79]. **dimensions** [Bos76b, CKM<sup>+</sup>73]. **dipolar** [LVPG78]. **Dipole** [DF76, Hib75, KN79b]. **DIRAC** [DSK73, Des75, DSK72]. **Direct** [BG72, Klu72a, FS75a]. **directional** [MRCL76, RSL<sup>+</sup>78]. **Dirichlet** [Cam75b]. **discharge** [DE72]. **discharges** [DEW78]. **discontinuities** [Moo79a]. **discrete** [AN79, CCR79]. **discretization** [Rei79, RD79]. **discussion** [FJK<sup>+</sup>72]. **dislocations** [Pet76a]. **disorder** [MR77]. **dispersion** [Han78d]. **displacement** [JB77]. **display** [Kar78]. **distored** [DE72]. **Distorted** [TCR71, vM77]. **distortion** [HE73]. **distribution** [BB74, BRT78, Han78c, Han78e, Lan70, MM74, MRW76, Pie73, RSL<sup>+</sup>78]. **distributions** [Rou72, Sch74, SDH74, TSD76]. **DM** [Sut72]. **DM57** [Mor78b]. **documentation** [BPW72c]. **Domus** [Zlo79]. **dose** [Hub73]. **dosimetry** [Hub71]. **Double** [She76, BCE79, HEL71, HE71, SMD71]. **double-differential** [SMD71]. **Doublet** [VG74, KK75]. **drawn** [BS75a]. **drift** [De 77]. **drift-diffusion** [De 77]. **drifting** [FM79]. **drop** [PI78]. **Durham** [GCCB73]. **during** [OBLR73]. **DWBA** [But78, PV74, TL74, TUWA79]. **DWPI** [EM76, Fun79a]. **dynamic** [CHR75b, DSK72, DSK73, Rin79]. **dynamical** [CIT73, MS72]. **dynamics** [CKM<sup>+</sup>73, KN79b, KN79a, MAK<sup>+</sup>72, NW79, Tom73, WW74, ZS77, Cam72, Chr75a, Gos78]. **dynamo** [Moo79b].

**Ecsimpact** [LS79]. **ed** [AF72b, Cam72, War73]. **edge** [Pet76a]. **edited** [Bee73, Chr75a, Gos78, Nor73b]. **edition** [BPW72a, BPW72b]. **editor** [Day77]. **Editorial** [Ano71a, Ano72g, Bur70a, Bur70b, Bur72b, Bur74, Ano72h, Ano72i, Ano73f, Ano73g, Ano74h, Ano74i, Ano75g, Ano75h, Ano76i, Ano76j, Ano77b, Ano78i, Ano78j, Ano78k, Ano79j, Ano79k]. **Editors** [Ano74j, Ano76d, Ano77a, Ano78d, Ano78e]. **eds** [Bra72c, Bur72a, McN71, Mor78b, Sut72, Zac74]. **effect** [DG75, DT79, Kac77, TT78, Vio72, WS74]. **effective** [HIM73, LR72, MGTD73]. **effective-range** [LR72]. **effects**



[Cop74, Cop75a, Cop75b, Ell75, GH78, Sei73]. **efficient** [CHMM73, KS75a]. **eigenenergies** [AL79]. **eigenfunctions** [AAJ76]. **eigenproblem** [Nas74]. **Eigenstates** [MPS75]. **eigensystem** [Gar74]. **eigenvalue** [CB77, FH74, Gru75, MAK<sup>+</sup>72]. **eigenvalues** [AAJ76, Gue74, MPS75]. **Eikonal** [Joa73]. **Einstein** [Pay72]. **EISPACK** [Gar74]. **elastic** [All72, Com78, EM74, Fun79b, KF71, LB76, MS78, Pet76a, Smi70b, TTW79a, Yat71]. **elastic-scattering** [Com78]. **electric** [God78, Hib75, LJLC72, ÖW70, SS71]. **electric-dipole** [Hib75]. **electrical** [Isl73, RM76a, RM76b, RM76c]. **electrodes** [DEW78]. **electrodynamics** [Rem72]. **Electromagnetic** [BF71, Bun76]. **Electron** [MMM74, PSBG73, Sin70, AT75, Ahl79, BC79, BDD78, BBL79, Chi73a, CLS<sup>+</sup>70, CSW78, FT71, Gia76, GH78, Haw73, Hib74b, Joa73, Lan70, Lew79, MS78, NM73, Nes79, Rei73, Sal78, ST73, Sta72, SV79, TYCT73, TSD76, Web73, WB74, Yat71]. **electron-** [Web73]. **electron-atom** [AT75, CSW78, Joa73, NM73, Nes79, Rei73, ST73, TYCT73, Yat71]. **electron-molecule** [BBL79]. **electron-photon** [SV79]. **electronic** [BB74, FS73, HRB72, JVS72, Rei79, WC78]. **electronics** [Kol78]. **electrons** [AM74, BJ76, BGMP79, BB77, Chi73b, Gra72, Moo71c, Per73, SS74, SS76]. **electrostatic** [Bun76]. **electrotransport** [OBLR73]. **element** [ATV76, BGT76, KS75b, KS73, KS75c, Kon78b, Mor76, PB72b, TT78]. **elementary** [GCCB73]. **elements** [Ano78p, ABG<sup>+</sup>75, Bra78a, Cha74, Cla78, Gla78, Hod76, Jam70, Jon74, Klo75b, Lab79a, Lew79, McC75, Nil72, Par73, PGB78, Rob73, Sal78, SS71, Sax77a, Sax77b, Sax78, FS75b]. **Ellips** [Ber77]. **ellipsometer** [Ber77]. **elliptic** [EJ77, Jes79, Jon72]. **Elsasser** [Moo79b]. **emission** [Duf77]. **emitters** [Pie73]. **emphasis** [vdSVSH73]. **energies** [Lew70b, Mag75, PI78, Sil78b, Wil70, Wil78, WB74]. **Energy** [AFH71, AF72a, AF74, CJ71, KK77, BGMP79, Bök75, CMS77, Cug73, FJK<sup>+</sup>72, HIM73, HRB72, JPB78, KVV70, Kol78, KK75, LB76, LLC76, MM74, MRW76, Nil72, PSBG73, RFSG72a, Ran72, RR74, Sko74, VD74, WC78, Zab73]. **Energy-level** [AF74]. **Energy-loss** [CJ71]. **engineers** [Del77]. **England** [Ano79f]. **Entire** [BDG<sup>+</sup>72]. **environment** [For78]. **EPR** [Ste76]. **EPS** [Ano79f]. **equal** [Jab73]. **equation** [Bel72, CE75, Cha75, EG74, FS75a, FC74, HH79, HD78, Hug71, Kil79, LR71, Mar73, Mor73, RA78, Ste79, TSD76, Wei72]. **equations** [BG72, Bor76, Cha73, Che73, Chi73a, CSW78, De 77, Dem72, EJ77, GPS75, Has76, HLS75, Jes79, Jon72, Par73, PPR72, PS76, TA72, WBG79, May74]. **EQUIL** [RCL75]. **equilibria** [BGT76, Lac76]. **equilibrium** [Bet75, BM76, CRL78, Dem78, Joh78, Mik74, RD79, RCL75]. **equivalent** [AM74, BB77, Chi73b, Gra72]. **Erratum** [Ano70f, Ano70g, Ano70c, Ano70d, Ano70e, Ano71b, Ano71c, Ano72j, Ano72k, Ano73j, Ano73l, Ano73k, Ano73h, Ano73i, Ano74k, Ano74l, Ano74m, Ano74n, Ano75i, Ano75j, Ano75k, Ano75l, Ano75m, Ano75n, Ano75o, Ano75p, Ano75q, Ano76k, Ano76l, Ano77c, Ano77d, Ano77e, Ano77f, Ano77h, Ano77g, Ano78l, Ano78m, Ano78n, Ano78o, Ano79l, Ano79o, Ano79m, Ano79n]. **Error**

[RR76]. **Errors** [Gue74, JR75]. **especially** [Aue78]. **establishing** [FC71]. **estimation** [Joh78, Pac72]. **Europe** [Aig72]. **European** [Bis75]. **Européen** [Ano75c]. **eV** [vdM72]. **eV-region** [vdM72]. **EVA2** [BPW72a]. **evaluate** [Cha74, GH76, Rob73]. **Evaluation** [BFKD77, SG76, FP73, GVV79, HKK73, KK71, Kon78a, Moo79b, Mue71, Sax77a, SC71, ST73, Str74, TS75b, Wil71]. **EVAR** [BPW72b]. **event** [LB78]. **events** [BD72, BCV<sup>+</sup>72, BEK<sup>+</sup>72]. **evolution** [BMS72]. **ex** [LS79]. **ex-core** [LS79]. **Exact** [DG75, FKU<sup>+</sup>76, FP73, Gol78, KH78, TL74, TUWA79, Mar73]. **examples** [Bog77]. **exchange** [AT75, Par73, ST73, vdB74]. **excitation** [Kas75, KK75, LJLC72, MMM74, RR76, RSA74, SS71, TSD76]. **excited** [Lab79b, Mal70, Tal76, WS79]. **exemplified** [BEK<sup>+</sup>72]. **expansion** [Del79a, Lew70b, Lew79, Mor73, Ort72, Sil78a, Sil78b, Wil78, WS79]. **Expansions** [She76, She74]. **experiment** [VD74]. **experimental** [ABMT78, BJ76, BGM79, IL74]. **experiments** [Ald72, Bou72, CIT73, Cop74, Cop75a, Cop75b, Haz72, Ugn78]. **Explicit** [Dem72, RB75]. **explosions** [CHR75b]. **Exponential** [RA78, Dem78]. **Exponential-fitting** [RA78]. **expressions** [EK72, Str74]. **extended** [AF74, DBB71, KE74]. **extensive** [Goo74, KS75a, Sta72]. **External** [Wor72, BS75a]. **extraction** [IL74, Mor72]. **extrapolation** [CC79]. **extrapolations** [CSP<sup>+</sup>79, CC79].

**F** [Bee73, CL79]. **facilities** [HR74b]. **factor** [Han78b, Isl73, SS74, SS76, TUWA79, WDM77]. **factors** [BS77, DW72, Fun79a, Han78d]. **Faddeev** [Che73]. **Faddeev-type** [Che73]. **Faradaic** [BGM79]. **fast** [CHW<sup>+</sup>78, Cha75, Tel73, CH71b, FSR78, Mar76]. **fast-neutron** [Cha75]. **Fernbach** [Bra72c, McN71]. **ferromagnetism** [Joh78]. **Feshbach** [Smi70a]. **few** [CIT73]. **Feynman** [Cal72, GVV79, PW73, WP73]. **Field** [Mat72, BM76, CCR76, Des70, Ell75, Klu72b, KK77, KS73, KS75c, LCW71, O'C76, ÖW70, Ste71]. **fields** [Ano74j, BS75a, DE72, Mik74, PW72, Pet76a, TSD76]. **FIFPC** [FSR78]. **fifth** [Gos78]. **file** [PB73]. **file-handling** [PB73]. **films** [Hub70c, Hub70d]. **filtering** [Pac72]. **final** [Bra72b, Bra72a]. **finding** [CSP<sup>+</sup>79]. **Fine** [Sar72, Sar78]. **Finite** [ATV76, HH79, Mor76, TT78, Ano78p, ABG<sup>+</sup>75, BGT76, FKU<sup>+</sup>76, Hod76, KS75b, KH78, KS73, KS75c, Kon78b, NK78, PV74, PPR72, TL74, TUWA79]. **Finite-difference** [HH79]. **finite-element** [KS75b]. **finite-range** [FKU<sup>+</sup>76, PV74]. **First** [Hub73, GMP76, JP78]. **Fischer** [Gra78]. **fit** [Han78f, VG74]. **fits** [KL72]. **Fitting** [Com78, CH75, Dem78, EK72, O'C74a, RA78, Ste71, Wil70, WS74, vM75b, vM76a, vM79a]. **fixed** [Bat74]. **flexible** [WS74, vM76a]. **floods** [Tom73]. **flow** [Blo72, FCW78]. **flows** [Dem78, RD79, TW79]. **Fluck** [Sut72]. **Fluid** [Cam72, Chr75a, Gos78, RC72]. **flux** [SF78]. **Fock** [Des70, Gra78, Des75, AAH72, ABH<sup>+</sup>72, Bat74, CCR76, CCR79, Fis70, Fis72, Fis78, Lab79c]. **foil** [IL74]. **Fokker** [FSR78]. **force** [Han78a, Han78f]. **forces** [LR71, LR72]. **FORDOC** [BPW72c]. **forecasting**

[Tom73]. **Form** [SS74, Ano72l, BM76, Fun79a, Isl73, Sal76, SS76, TUWA79]. **form-factor** [Isl73]. **FORMAC** [McC75, Pay72]. **FORMAC73** [Pay76]. **formal** [HKK73]. **formalism** [CSC74, Hof71]. **format** [Sal76]. **formation** [Tsc76]. **formula** [BK74, Jab73, KB73]. **formulae** [Sei73]. **Formulas** [RB75]. **formulation** [CN73]. **FORTRAN** [BPW72c, Bar77, Ber77, CR74, PS78, Sal76, SR73, Zoh72, vM79b, AD73, MW71a, MW71b, PV74, RV78, RCL75, SMD71, SDH74, vM75c, vM76b, vM77, vM78b, vM78a, Pat73]. **Fortran-IV** [SDH74]. **Fortschritte** [Sut72]. **four** [Mue71]. **four-body** [Mue71]. **Four67** [CH71b]. **Fourgen** [Mar76]. **Fourier** [CH71b, Mar76, Col77, CT79, PS78, TS75b]. **Fourth** [Chr75a, CS78, Joh73, WS79]. **fourth-order** [CS78, WS79]. **Fox** [AF72b]. **Fractional** [AM74, Gra72, Chi73b, Hub70b, MNJL71]. **frames** [SM78b]. **Fredholm** [Rei73]. **freedom** [CIT73]. **Freint** [Gru79]. **frequencies** [Han78f]. **Fresnel** [Gru79]. **Freudenthal** [KB73]. **frictional** [Has76]. **Froese** [Gra78]. **Frozen** [CCR79]. **full** [CHR75b]. **Function** [Köl72a, Bar77, Cha75, Del79b, Deu79b, Deu79c, Deu79d, HD78, JR75, KSSA78, LB76, TYCT73, dJ78]. **Functions** [AM77, BDG<sup>+</sup>72, SM78b, She76, TTW79b, AT75, And70, AM78, AM79, BFG74, Cam79, Cug73, DF76, FS75c, Han78c, Han78e, Hib75, Jam70, KM74, Lab79d, Ort72, PB72a, Rob70, RBHW76, Sal78, She74, ST73, SG72, Ste79, Yur78, vM79a]. **Furi** [Bar77]. **fusion** [CAR74].

**G** [Bur72a, Zac74]. **Gamma** [Hub71, Köl72a, AWG71, BCV<sup>+</sup>72, FC71, Hub73, MRCL76, RSL<sup>+</sup>78, SS74, SS76, Wil72]. **gamma-gamma** [MRCL76, RSL<sup>+</sup>78]. **Gamma-radiation** [Hub71]. **gamma-ray** [AWG71, FC71, Hub73, Wil72]. **Gammel** [Bur72a]. **gas** [OS71, Tho79, TW79]. **gaseous** [DE72, McC75, PSBG73]. **gases** [BJ76, TSD76]. **Gatchina** [KKN<sup>+</sup>72]. **gauges** [Chr74a, Chr74b]. **Gaunt** [Moo79b]. **Gaussian** [AAH72, Mat72, VG74, War78]. **Gaussians** [vM75b]. **Gehlen** [Nor73b]. **general** [And70, Aue78, BBC<sup>+</sup>74, BBL<sup>+</sup>78, Bur70c, Cha73, DS75, Fis78, Gra73a, Gra73b, Hib70, Hib71, Hib74b, Hib74a, Hib75, Klo75a, Pay76, VD74, WS74, vM75a, PW73, Sil78a]. **general-purpose** [vM75a]. **Generalisation** [Chi72]. **Generalized** [SG72, CB77, Dob79, FH74, MP74, Zoh72]. **generate** [CW79a, Rob70, Rob79a]. **generated** [BK72]. **generating** [BB70, Bos76a]. **Generation** [SM78c, BD72, Han78a, KVV70, PW73, Rap74, WP73]. **generator** [Jad75, KPP79, KCA76, Mar76, Lab79a, Lab79b]. **generators** [GR78]. **Geomagnetic** [Klu72b, KL72, Moo79b]. **geometries** [HKK73]. **geometry** [Cop75a, Cop75b, EG74, Hub71, ST72]. **Geophysics** [Pek72]. **GeV** [RR74]. **given** [Rob79a]. **Glowcode** [LNS76]. **Glowinski** [Mor78b]. **Gordan** [RB75, SM78c]. **Goudsmit** [Vio72]. **gradient** [Klu72b, KPP79, Mat72]. **Gram** [O'C74a]. **graphic** [Kar78]. **Graphical** [Cra72, MMK73, Rou72]. **graphs** [Rap74]. **Graves** [War73]. **Graves-Morris** [War73]. **gravitational** [CH74]. **Green** [HD78, LB76, RBHW76, TYCT73]. **ground** [And70, KH78]. **ground-state** [And70]. **Group**

[WW72, CB77, HM71b, NW79, SM78b, WW74]. **group-coordinate** [CB77].  
**Group-theoretical** [WW72, WW74]. **groups**  
 [ADO78, BK72, KSSA78, KK77, Net75, TS78]. **growth**  
 [DE72, DEW78, KM79b]. **Grundlagen** [Sut72]. **guide**  
 [AD73, CSP+79, CC79, Hoa70]. **gun** [Web73].

**H** [CL79, Sut72, BS77, vdM72]. **hadron** [RR74]. **hadronic** [Ran72].  
**hadrons** [KVW70]. **half** [Nil72]. **half-lives** [Nil72]. **Hamiltonian**  
 [Hib74b, HM71c, MGTD73, Ste76]. **handle** [Fun79b]. **handler** [Taf75b].  
**handling** [PB73]. **hardware** [EJ77, Kol78]. **harmonic** [Dob79, FT75, SG72].  
**Harmonics** [Bra73]. **Hartree** [Gra78, AAH72, ABH+72, Bat74, CCR76,  
 CCR79, Des70, Fis70, Fis72, Fis78, Lab79c]. **Hauser** [Smi70a]. **HBr** [vdM72].  
**heat** [Fos72]. **heavy**  
 [Aue78, But78, CJ71, Dic79, FKU+76, Nil72, Par73, TL74, TUWA79].  
**heavy-ion** [Aue78, FKU+76, TL74, TUWA79]. **Heidelberg** [BEK+72].  
**height** [AK76, Deu79a, Deu79b, Deu79c, Deu79d, vM79b]. **Heisenberg**  
 [KSSA78]. **helium** [HH79, Kno70]. **Herman** [Bee73]. **Hermitian** [Nas74].  
**heuristic** [KM79a, Pas72]. **Hierarchical** [Haz72]. **High**  
 [MMK73, SC71, B6c75, Cra72, FJK+72, HIM73, KVW70, Kol78, LL72,  
 Ran72, RR74, SM78a, SDH74, Sut72, VD74]. **high-density** [Cra72].  
**high-energy** [B6c75, FJK+72, RR74, VD74]. **high-lying** [SDH74].  
**high-resolution** [Sut72]. **Higher** [Moi73, OC78, DHN79, TS75a].  
**higher-order** [DHN79]. **histogram** [BEM79]. **histograms** [vM78b]. **HLISP**  
 [KSSA78]. **Holland** [Hib79]. **Holt** [Cam72]. **homogeneous** [KS79, TT78].  
**homonuclear** [SLH78]. **horizontal** [Cop75b]. **hot** [FM79].  
**hydrodynamical** [FM79]. **hydrogen** [BBH+77, Mal70, Tal76].  
**hydrogen-like** [Tal76]. **Hydrogenic** [Lew70a, Jam70, Moo71c].  
**hydromagnetic** [Wes76]. **Hymnia** [Gru75]. **hyperbolic** [Dem72].  
**hyperfine** [BCE79, GH76].

**Ian** [Smi77]. **IBM** [BTS74, HRR75, NA72]. **ideal** [HW77, Lac76]. **identical**  
 [BB70]. **Identification** [OVQT+76]. **II**  
 [BP73, Bra78a, CSP+79, DSK73, Deu79b, Han78c, Han78d, HM71b, KN79a,  
 KPPR76, Lab79b, MW71b, MW71c, PS77, Rob79b, RM76b, Sil78b, WP73].  
**III** [Deu79c, Han78e, Han78f, HM71c, Lab79c, PS76, Rob79c, RM76c,  
 SMD71, Wil78]. **ill** [TA72]. **ill-conditioned** [TA72]. **ILTHII** [Sal75].  
**ILUCG** [KPP79]. **immersed** [FM79]. **Impact**  
 [Cas72, Cha72, Bur72c, GPS75, LS79, MMM74, PS76, PS77, CSW78].  
**impedance** [BGM79]. **implementation** [Pel78, DSK73]. **importance**  
 [KVW70]. **Improper** [Ned72]. **improve** [Taf75a]. **Improved**  
 [WW74, CH75, Fis72]. **including** [DHN79, EJN74, Ell75]. **Inclusion**  
 [Hib74b, Hib74a, Sax77a, Sax78]. **inclusive** [MT76, MT79]. **incoherent**  
 [SR78]. **incomplete** [KPP79]. **incorporate** [Fun79a]. **increase** [Hub70d].  
**index** [Ano70h, Ano70i, Ano71d, Ano71f, Ano72b, Ano72c, Ano72d, Ano72o,

Ano72p, Ano73b, Ano73c, Ano73n, Ano73o, Ano74b, Ano74c, Ano74p, Ano74q, Ano75b, Ano75a, Ano75s, Ano75r, Ano76b, Ano76c, Ano76p, Ano76q, Ano78a, Ano78b, Ano78c, Ano78r, Ano78s, Ano78t, Ano79c, Ano79d, Ano79e, Ano79p, Ano79q, Ano79r]. **Individual** [Ano72l]. **induced** [FKU<sup>+</sup>76, TL74, TUWA79]. **induction** [Klu72b]. **industrial** [Cas72]. **inelastic** [BKE79, Bog77, DT79, EM76, Fun79a, Han78d, Hof74, LWSS79, SR78]. **inequalities** [KS79]. **infinite** [MAK<sup>+</sup>72]. **information** [DSK72, DSK73, HM71b, Rob79c]. **infrared** [MW70, MW71a, MW71b, MW71c]. **inhomogeneous** [Cha73]. **initial** [CR74]. **initial-value** [CR74]. **Inner** [TS78, KB73]. **input** [Sax78]. **instabilities** [Wes76]. **instruction** [KS78]. **Instructions** [Ano74o, Ano76m, Ano77i]. **instrument** [Han78b]. **instrumentation** [HR74a]. **integer** [AM78, AM79, KCA76]. **integral** [BTS73, BTS74, CE75, De 77, FS75a, FC74, HD78, Jab73, Mor78a, MR73, Ste79, Yur78]. **integrals** [AT75, BDD78, BFKD77, DF76, FP73, Gio79, Gol78, Hib70, Hib71, Hib74b, Hib74a, Hol79, Lew70a, Mat72, Moo79b, NA72, OS71, ST73, SK79, WB74, Yur78, ZDN78]. **integration** [BG72, Gru79, Kil79, Mor78a, PS76, PB72b, GPS75]. **integro** [CSW78]. **integro-differential** [CSW78]. **intensities** [FK73, Fer75, Hof71, Hof74]. **Intensity** [Deu79a, Deu79c, BB74, BRT78, HE71, IL74, Lan70, LL72, ÖW70, RS74, RS75]. **Inter** [BDD78]. **Inter-electron** [BDD78]. **interaction** [AN79, ATV76, BGMP79, Bog77, BCE79, DT79, Ell75, FT71, Gia76, Hib75, Jam70, Joh73, Klo75a, Sax77b, vdSVSH73]. **interactions** [BKK76, Ste79, vM78b]. **Interactive** [Rou72, VDM78, AZS<sup>+</sup>79, AK76]. **Interatomic** [Nor73b]. **interelectronic** [MR73]. **interfacing** [Zac74]. **interference** [FB75]. **interferometer** [HE71]. **interior** [CC79]. **Intermediate** [Cla78, Rus73]. **Intermediate-level** [Rus73]. **internal** [DHN79, DH71, PR75]. **International** [Ano78p, Cam72, Chr75a, Gos78]. **interpolation** [AAMB79, CM79, Moo79a]. **interpret** [vM76b]. **Interscience** [Moo72]. **interstellar** [BS77]. **intrinsic** [ABH<sup>+</sup>72]. **introduction** [Rob74]. **invariant** [Jab73, Mor78a]. **Inversion** [FS75a, FC74, Hof74, LL79]. **investigation** [MS72]. **investigations** [SSZ73]. **involved** [Hei72]. **involving** [BFKD77, WS79]. **Ion** [FSR78, Aue78, But78, FKU<sup>+</sup>76, KN79b, MM74, MRW76, TL74, TUWA79, Web73]. **ion-gun** [Web73]. **ionic** [SF76]. **ionisation** [Mag78]. **ionographic** [OVQT<sup>+</sup>76]. **ions** [LCW71, Sko74, Ste76, Tal76]. **Irreducible** [Wor73, Bos76b, KSSA78, Net75]. **Ising** [CSC74, Joh78, KH78, vdSVSH73]. **isoelectronic** [HH79, Kno70]. **isolated** [Bou72]. **Isometric** [Cho70]. **isospin** [Hub70b]. **iteration** [Cam75a]. **IV** [Deu79d, Lab79d, NW79, SR73, SDH74, WS79]. **IX** [McN71].

**J** [AF72b, Bur72a, Gos78, May74, Mor78b, Nor73b]. **Jaffee** [Nor73b]. **jajom** [Sar78]. **January** [Ano74d, Ano74e, Ano76h]. **Jennings** [Del77]. **Job** [BP73]. **John** [Del77, Gra78, Lai74, May74]. **Jr** [Bur72a]. **jump** [Moo79a]. **junction**

[Blo72].

**Kac** [Cha76]. **Kahane** [Chi72]. **KBr** [vdM72]. **Kellerhals** [Sut72].  
**Kenneth** [Moo72]. **Kinematic** [CH75]. **Kinematical** [WMC71].  
**Kinematics** [Ass75, Bra72b, Bra72a]. **kinetic** [Joh78]. **kinetics** [DST75].  
**Koehler** [Bee73]. **Kosfeld** [Sut72]. **Kramers** [Col77, CT79, KN73]. **Kronig**  
[Col77, CT79, KN73].

**L** [Bur72a, Mor78b]. **labelling** [MPS75]. **laboratory** [Haz72, KS78, Pen78].  
**LACC** [Kon78a]. **ladder** [Sil78b]. **Lambert** [May74]. **Landau** [Sch74].  
**language** [FP73, Pel78]. **languages** [Hoa70, Rus73, Hoa70]. **Lanthanide**  
[Ste71]. **Laplace** [HD78]. **Laplacian** [O'C76]. **large**  
[AZS<sup>+</sup>79, AAB75, BPZ73, BP73, CB77, PB73]. **laser**  
[CAR74, CW79b, DST75, DH75, RS76, Smi78]. **lateral** [MRW76]. **Lattice**  
[KN79b, KN79a, NW79, Nor73b, HM71a, MR77, ÖW70, WW74, WW72].  
**lattices** [CMS77, Zab73]. **Laue** [CA70, Pre79a, Pre79b]. **layer** [RD79, RS74].  
**layer-by-layer** [RS74]. **layered** [Chr74b]. **layers** [Sko74]. **LCGO** [WC78].  
**learning** [KM79a]. **least**  
[Bok78, Han78f, LM71, O'C74a, Pac72, RFSG72b, WS74, vM75b].  
**least-squares** [RFSG72b, vM75b]. **Lecture** [Cam72, Mor78b]. **LEED**  
[Hof71, Hof74, RS74, RS75]. **Legendre** [Bra73, Del79a]. **lengths** [JP78].  
**level** [AFH71, AF72a, AF74, Cro72, RFSG72a, RFSG72b, Rus73, Taf75b,  
Vio72, Wil70]. **levels** [SDH74]. **LIANA** [Smi70a]. **library**  
[Ano70b, Ano72a, Ano74d, Ano74e, Ano75d, Ano76g, Ano76h]. **Lie**  
[Bos76a, Bos76b]. **lifetime** [KE72, KE74, VDM78, War78]. **lifetimes** [IL74].  
**ligand** [KK77]. **light** [HE73, RS76]. **like** [Moo71c, Tal76]. **limit** [BGMP79].  
**limited** [EJ77, Han78c, Han78e]. **Limits** [JPB78]. **line** [ADF<sup>+</sup>72, BS75b,  
Cra72, Duf77, GPS75, Jon74, KKN<sup>+</sup>72, KK75, PS77, Rus73, Sch78, Ugn78].  
**Linear** [HW77, Ano78p, Jes79, KSSA78, KS79, Kon78b, TA72, Wes76].  
**linearized** [McC75]. **lines** [BS77, Jon72]. **linked** [WS79]. **Lions** [Mor78b].  
**Liquid** [PI78, Isl73, Sch73]. **LISP** [Cam70]. **List**  
[Ano72m, Ano76d, Ano76n, Ano78d, Ano78e, Ano77a]. **lives** [Nil72]. **load**  
[KM79a]. **local** [Ste79]. **Logarithm** [Köl72a]. **London** [Smi77, Zac74].  
**Lorentz** [Jab73]. **Lorentz-invariant** [Jab73]. **Lorentzians** [vM75b]. **loss**  
[CJ71, Sko74]. **low** [BGMP79]. **LS** [Cla78]. **Lustig** [Sut72]. **lying** [SDH74].

**M** [Bra72c, Cam72, Hoa70, McN71, KKN<sup>+</sup>72]. **M1** [BF71]. **Machine**  
[Zan72]. **machines** [LS79]. **macromolecules** [LNV78]. **MACSYMA**  
[BKK76]. **made** [HE71, RD79]. **Madelung** [JP78, ÖW70]. **magnetic**  
[BM76, Gol70, Hub70c, Hub70d, Klu72a, Mik74, PW72, vM78a].  
**magnetohydrodynamic** [ABG<sup>+</sup>75]. **magnetoplasma** [ST72].  
**magnetospheres** [Pet76b]. **magnetotelluric** [KS75b]. **making**  
[HR74a, SDH74]. **Mandy** [SMD71]. **manipulation** [BEM79, FP73]. **Manual**  
[Str74, EK73]. **Many** [Ahl79, Kel79, vdSVSH73, GH78, Lew79, Sil78a, Sil78b,

TYCT73, Wil78, WS79]. **many-body** [Sil78a, Sil78b, TYCT73, Wil78, WS79]. **many-electron** [Lew79]. **Many-particle** [vdSVSH73]. **mappings** [BS74]. **masses** [Jab73]. **matching** [BSP71, Hof71]. **materials** [Han78b, Han78c, Han78e]. **mathematical** [Sou73, Zhi72]. **matrices** [BTS73, CB77, Chi72, Cho70, Han78a, Hen75, MAK<sup>+</sup>72, Sar70, Sar72, Sar78]. **Matrix** [FS75b, Hod76, Nes73, Nes79, BBC<sup>+</sup>74, BBL<sup>+</sup>78, BC72, Bra78a, BBL79, Bur73, Cha74, Cla78, Gar74, Gla78, Gru75, HM71c, Jam70, Jon74, KSSA78, Klo75a, Klo75b, Lab79a, Lew79, LWSS79, McC75, Nas74, Par73, PB72b, PGB78, Rei79, Rob73, Sal78, SS71, Sax77a, Sax77b, Sax78, Sta76, Hof74, Del77]. **matter** [RR74, Sko74]. **may** [dJ78]. **MCBP** [BGMP79]. **MCHF** [FS75c]. **measured** [Rou72]. **measurement** [EGMS72]. **measurements** [BGM79, HR74a]. **mechanical** [BTS73, RSA74]. **mechanics** [Ald72, Ano78p, LL79, RC72]. **media** [Chr74a, Chr74b, FS73, KK75]. **medium** [vM75c]. **medium-scale** [vM75c]. **MEDUSA** [CAR74]. **Melting** [CKM<sup>+</sup>73]. **memory** [LS79]. **metal** [FS73]. **metal-non-metal** [FS73]. **metals** [DBB71, Isl73]. **meteorology** [Cha72]. **method** [ABG<sup>+</sup>75, BBC<sup>+</sup>74, BBL<sup>+</sup>78, BCV<sup>+</sup>72, Bur73, BCE79, CB77, Col77, CT79, CH75, DHD74, Dem72, Dem78, EG74, FS75a, Fis71, Gra78, Gue74, Hof74, HD78, Jon72, Jon74, KPH78, KVV70, Kla71, Kon78b, KPP79, LB78, Moo79a, Nes73, Ort72, Rob72, RS74, RM76a, RM76b, RM76c, Tel73, TW79, WC78, Wil72]. **methodological** [Sta72]. **Methods** [Cam72, Chr75a, Fle72, Mor78b, BH72, Cal73, Fos72, Gos78, Hib79, Kil79, LWSS79, May74, Moi73, MPW73, Mor76, Nor73a, Per73, PPR72, RA78, TTW79a, TYCT73, Zhi72, Bra72c, McN71]. **MeV** [RR74]. **MHD** [BGT76, GJ76, HW77, Lac76, RCL75, WBG79]. **microcrystals** [CKM<sup>+</sup>73]. **microscopic** [FKU<sup>+</sup>76, Fun79a, vM78b]. **migrating** [WD77]. **millimeter** [Smi78]. **Minicomputer** [Zac74]. **minicomputers** [VG74, vMG73]. **Miniconsult** [Zac74]. **minimization** [JR75, Tro73]. **Minuit** [JR75]. **mixed** [BF71, RSL<sup>+</sup>78]. **mixing** [KF71, MRCL76]. **mixture** [PSBG73, Zlo78]. **mixtures** [McC75, Tho79]. **mode** [Han78a]. **model** [AFH71, AF72a, AF74, Aue78, Bet75, CSC74, CHMM73, DTE74, ETH73, GCCB73, GMP76, GA74, Hof74, Joh78, Kas75, KN79b, KN79a, MR77, NW79, PI78, vdSVSH73, Smi78]. **Modelling** [JB77, KS75b, Pet76b, Rob79a, Rob79b, Rob79c]. **models** [Ahl79, Klu72b, LW75, Sou73]. **modes** [Han78d, Wor72]. **Modification** [Bar76, Cop75a, Cop75b]. **Modified** [Bra73, O'C74a]. **modulation** [Ber77]. **module** [RCL75]. **Moléculaire** [Ano75c]. **Molecular** [Ano79f, BKE79, BFKD77, Bra72c, Con79, CKM<sup>+</sup>73, Cro72, GPS75, MAK<sup>+</sup>72, PS76, PS77, Rei79, Wor72, ZS77]. **molecule** [BBL79, DT79, FT71, Gia76]. **molecules** [BB74, Han78a, Han78f, Han78d, Sal78, SLH78, Sil78a, Sil78b, Sin70, Wil78, WS79]. **Moment** [Rei79]. **Momenta** [TTW79b]. **momentum** [ET76, Gra73a, Gra76b, Hib70, Hib71, Hib74b, Hib74a, Hub70a, Jab73, LW75, RV78, TTW79a, Tam70, Wil71]. **momentum-space** [Jab73]. **monoenergetic** [Lan70]. **Monte**

[Chr74b, Cop74, Cop75a, Cop75b, DS75, Jad75, Kas75, KVV70, Mor78a, MR77, Per73, Ran72, RR74, Sta72, SK79, Wil72]. **Morris** [War73]. **Morse** [Zac74, PB72a]. **Moshinsky** [LJ71]. **Mössbauer** [CT71, Gro72, MGTD73, WS74]. **motion** [BPW71, BPW72a, BPW72b, Gio79, WDM77]. **Mu** [CL79]. **multi** [Fis70, Fis72, Fis78, KKN<sup>+</sup>72, PB72b]. **multi-configuration** [Fis70, Fis72, Fis78]. **multi-particle** [PB72b]. **multi-users** [KKN<sup>+</sup>72]. **multichannel** [vM79b]. **multiconfiguration** [Des75]. **multiconfigurational** [Lab79c]. **multidimensional** [Gen72, ZDN78]. **multiple** [Cop74, Cop75a, Cop75b, CH74]. **multiplicity** [ADO78, BK74, KB73, TS78]. **multiplier** [Wor73]. **multipolarities** [RSL<sup>+</sup>78]. **multipoles** [OC78]. **Multistate** [GPS75, PS76, PS77]. **Multivariate** [O'C74a]. **Muon** [Rin79]. **Muonic** [AV78, Rin79]. **muonic-atom** [Rin79]. **mutual** [BS75a].

**N** [Bee73]. **N.F.E.** [Isl73]. **nanosecond** [RS76]. **narrow** [EJ77]. **Nearly** [Mar73]. **necessary** [Han78c]. **Néel** [Hub70c, Hub70d]. **neuronal** [Sou73]. **neutron** [Cha75, Cop74, Cop75a, Cop75b, Fun79a, Fun79b, Han78b, Han78d, SR78]. **Newnes** [Hoa70]. **Newnes-Butterworths** [Hoa70]. **Nilsson** [BF71, Hir73]. **NMR** [Sut72, WDM77, vM77, Sut72]. **no** [PV74]. **no-recoil** [PV74]. **Non** [Dic79, SS76, Wes76, Ano78p, Bou72, Dem78, FS73, Han78b, Han78c, Han78e, Lab79a, RD79, Ryc78, ST73, War78, WB74]. **non-crystalline** [Han78b, Han78c, Han78e, Ryc78]. **non-equilibrium** [Dem78, RD79]. **non-exchange** [ST73]. **non-Gaussian** [War78]. **non-isolated** [Bou72]. **Non-linear** [Wes76, Ano78p]. **Non-reactive** [Dic79]. **Non-relativistic** [SS76, Lab79a, WB74]. **noncircular** [BGT76]. **Nonlinear** [Pet76a, BKK76, HW77, LM71, MS72, SSZ73, Zab73, Zhi72]. **nonrelativistic** [BRT78]. **Normal** [De 75a, Han78a, Han78d]. **normalised** [PB72a]. **normalization** [Han78b]. **North** [Hib79]. **North-Holland** [Hib79]. **notation** [FS75b, Lab79a, Sax77b]. **Note** [BB79]. **Notes** [Cam72, Mor78b]. **notice** [Ano70f, Ano73j, Ano73k, Ano74l, Ano74m, Ano74n, Ano75j, Ano75k, Ano75l, Ano75m, Ano75n, Ano75o, Ano75p, Ano75q, Ano76k, Ano76l, Ano77c, Ano77d, Ano77e, Ano77f, Ano77g, Ano78l, Ano78m, Ano78n, Ano78o, Ano79l, Ano79m, Ano79n]. **notices** [Ano70g, Ano71b, Ano71c, Ano72k, Ano73l, Ano77h, Ano79o]. **Nottingham** [Ano79f]. **nozzle** [FCW78]. **Nuclear** [Nil72, Sko74, Smi70b, AAH72, ABH<sup>+</sup>72, AAB75, Bet75, DG75, DTE74, ETH73, FB75, Hei72, KKN<sup>+</sup>72, KM79a, LW75, OVQT<sup>+</sup>76, Sei73, SMD71, SR73, SDH74, Smi70a, Sou73, TCR71, TL74, TUWA79, WMC71]. **nucleation** [KM79b]. **nuclei** [BF71, EM74, EM76, Hen75, Hod76, Kac77, PI78, RSL<sup>+</sup>78]. **nucleon** [DHD74, FKU<sup>+</sup>76, LR71, LR72, SDH74]. **nucleons** [Hub70a]. **nucleus** [Fun79a, Fun79b, SM78a]. **null** [LB78]. **null-event** [LB78]. **Nullijn** [dJ78].



**number** [Aur77, EJ77, Fem71, GR78, RFSG72b, Rob79b]. **numbers** [Sch74]. **Numerical** [Ald72, Bel72, Bor76, BMS72, Bou72, Cam72, CIT73, CSC74, Chr75a, Col77, CT79, De 77, FS73, HKK73, KL72, MAK<sup>+</sup>72, Moo79b, Net75, Nor73a, Pet76b, Rob79a, Rob79b, Rob79c, Wei72, BG72, CMS77, CH74, EG74, FS75c, For78, Fos72, Gos78, Gra78, HD78, Jon72, Kil79, Lab79d, PB72b, RA78, Rob70, SSZ73, SZ79, TS75b, TYCT73, ZDN78]. **Numerov** [Fis71, Gue74].

**objects** [BB70]. **observables** [MT76]. **observations** [HE71, O'C76]. **observed** [Han78f]. **obtain** [Han78b, Han78f]. **odd** [BF71, Kac77, MR73]. **odd-** [Kac77]. **off** [GMR75b]. **off-diagonal** [GMR75b]. **OLYMPUS** [CR74, HRL75, Rob74, HRR75]. **On-line** [Sch78, ADF<sup>+</sup>72, KKN<sup>+</sup>72, Rus73]. **on-resonance** [SDH74]. **One** [Has76, ABG<sup>+</sup>75, AK76, BG72, CMS77, Cha74, CAR74, CRL78, DHD74, Dem78, Hib74b, Klo75b, Lew79, LNS76, MS78, PGB78, Rob73, Sal78, WB74, Yur78, dJ78, RM76a]. **one-center** [Yur78]. **One-dimensional** [Has76, ABG<sup>+</sup>75, AK76, BG72, CAR74, CRL78, Dem78, LNS76, RM76a]. **one-electron** [Hib74b, Lew79, MS78, Sal78, WB74]. **one-particle** [Cha74, Klo75b, PGB78, Rob73]. **only** [Hei72, O'C76]. **open** [BDD78]. **operators** [Cha74, CW79a, Gla78, Lew79, McC75, MPS75, PGB78, Rob73]. **OPIT** [BP73, PB73]. **optical** [All72, Aue78, DTE74, ETH73, ET76, GMP76, Has76, TTW79a]. **optically** [KK75]. **optics** [Haw73, SSZ73]. **optimal** [CC79, Ste76]. **optime** [EK72, EK73]. **optimization** [Fle72]. **orbit** [Ell75, HE71, Klo75a, Sax77b, Tro73]. **orbital** [Cal73, HE73, Rob70]. **orbitals** [AT75, Bat74, BFKD77, Lab79c, Lab79d, Mat72, ST73]. **orbits** [Hir73]. **order** [Ano72l, AM78, AM79, BP77, BCE79, Cam79, Cha73, CS78, Dem72, DHN79, Lew70b, MR77, OC78, Sil78b, Wil78, WS79]. **order-disorder** [MR77]. **Ordinary** [Bra73, May74]. **organization** [Sil78a]. **Organizing** [Ano72n, Ano76o]. **orientations** [Pre79a]. **oriented** [Zlo78]. **oscillations** [Mik74]. **Oscillator** [FS75c, Dob79, FT75, God78, Hib75, SG72]. **other** [TS75a]. **outer** [BK74]. **output** [Cra72]. **Overall** [Coh71]. **overlap** [DF76]. **overlapping** [vM75b].

**P** [Gos78, Nor73b, Sut72, War73, Zac74]. **package** [AMB75, ABMT78, Cam75b, CH71b, CR74, Gar74, Gru75, HRL75, HRR75, KS75b, KS73, KS75c, Mag78, WC78, Yur78, vdB74]. **packages** [BPW72c]. **packet** [Has76]. **Padé** [Bur72a, Moi73, Sta76, War73]. **pages** [Sut72]. **pair** [Ahl79, Han78c, Han78e]. **pairwise** [Joh73]. **pairwise-additive** [Joh73]. **Paker** [Zac74]. **Palmer** [Smi77]. **Panel** [FJK<sup>+</sup>72]. **parallel** [DEW78]. **paramagnetic** [Ell75]. **parameter** [DG75, GPS75, GMP76, JR75, Klu72a, KL72, PS76, PS77, Smi70b]. **Parameterisation** [For78]. **parameters** [Cam75a, Han78c, KF71, LR72, Pac72, PR75, Ste76, WDM77, WMC71].

**parametric** [Kla71]. **parentage** [AM74, Chi73b, Gra72, Hub70b, MNJL71].  
**parity** [SDH74]. **Part** [Fer75, Hib74b, CSP<sup>+</sup>79, CC79]. **partial**  
 [CHMM73, EJ77, Jes79, PPR72]. **partial-wave** [CHMM73]. **partially**  
 [RSL<sup>+</sup>78]. **participants** [Ano72m, Ano76n]. **particle**  
 [ATV76, Bun76, Cha74, Dic79, GCCB73, Hir73, JB77, Klo75b, Lew70b,  
 MT76, Mor78a, Par73, PR75, PB72b, PGB78, Rob73, vdSVSH73, Zan72].  
**particle-solid** [JB77]. **particles** [BPW71, BPW72a, BPW72b, BS75a, CN73,  
 Cha73, CJ71, Hei72, Jab73, KK71, KF71]. **partition** [KSSA78]. **parts**  
 [Jam70]. **PATIWEN** [FB75]. **Pattern** [ZS77]. **patterns**  
 [Pre79a, Pre79b, RS75, Zan72, vM77]. **PDP** [DTE74]. **PDP-15** [DTE74].  
**peak** [vMG73, vM75a]. **PEARL** [Pel78]. **165** [HRR75]. **penetrating**  
 [Sko74]. **perform** [vM79b]. **performance** [Smi78, Taf75a]. **peripheral**  
 [PB72b]. **permutation** [KSSA78]. **permutations** [BB70]. **Perturbation**  
 [CB78, Ahl79, BCE79, Kel79, Kil79, MS78, PW73, RS74, Sil78a, Sil78b,  
 Wil78, WS79, WP73]. **pervaded** [Mik74]. **Peter** [Hoa70]. **Phase**  
 [NM73, BB79, Jad75, KK71, KF71, MS78, Mor78a, PB72b, Ste79].  
**phenomena** [Sch72]. **phonon** [Han78d, SR78]. **photoelectric** [KM74].  
**photographs** [BSP71, CA70]. **photoionization** [CLS<sup>+</sup>70, Jon74, Kel79].  
**photon** [SV79]. **photons** [Chr74a, Chr74b]. **Physical**  
 [Bis75, Cam70, Nad76, TA72, DSK72]. **Physics** [Ano74d, Ano74e, Ano75d,  
 Ano76d, Ano77a, Ano78d, Ano78e, Ano79f, Cam72, Mor78b, B6c75, BS75a,  
 Bur72c, Bur73, FJK<sup>+</sup>72, KKN<sup>+</sup>72, Kol78, McN71, Nad75, Ned72, Pas72,  
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 [BGT76, Sal75, SR78, VG74, vM75c]. **speed** [SC71]. **spheric** [Chr74a].  
**Spherical** [AM78, Bra73, Del79b, HKK73, MW71b, MW71c]. **spherically**

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**T** [Bee73, CL79, Smi72, Blo72]. **T-junction** [Blo72]. **tableaux** [SM78b]. **tail** [AL79]. **tailor** [RD79]. **tailor-made** [RD79]. **take** [Rob79a]. **Talmi** [Zoh72]. **tapes** [Gol70]. **target** [CW79b, Hub71, MS78]. **targets** [KF71]. **teaching** [BS75a]. **technique** [Pac72, Tro73]. **Techniques** [EJN74, Nad75, Rei79, Rob71, Vel72, Pat73]. **temperature** [MR77]. **Tensor** [FS75b, Cha74, Gla78, Klo75b, Klu72b, LB76, LR71, LR72, Pay72, Rob73, Sax77a]. **terminal** [MMK73]. **terms** [BB77, Lab79b, RD79]. **Test** [Gra71, RCL75]. **tests** [Cha76, GR78]. **tetragonal** [Ste76]. **text** [Day77]. **THALIA** [ABG<sup>+</sup>75]. **their** [War73]. **theoretic** [EJ77]. **theoretical** [ABMT78, Bur72a, EK72, HM71b, Smi78, WW74, WW72]. **Theory** [Smi72, BCE79, CE75, CSW78, Daw72, Joa73, Kil79, Lew70b, MS72, MS78, PW73, ST73, WP73]. **thermal** [BS75b, Cop74, Cop75a, Cop75b, Sal75]. **thermally** [LVPG78]. **thermodynamic** [FS73]. **thick** [KK75]. **thin** [Hub70c, Hub70d, Sko74]. **Third** [Ano79f, JS72, Sil78b, Wil78]. **third-order** [Sil78b, Wil78]. **three** [Ass75, BDD78, Bra72a, MR73, RR74, Aue78, RM76c]. **three-body** [Ass75, Bra72a]. **three-dimensional** [RR74, RM76c]. **three-open-shell** [BDD78]. **threshold** [CL79, Ryc78]. **tidal** [HE73]. **time** [Gli78, Has76, Mag78, MPW73, Rob79b, Sch78, Taf75a, Wei72]. **time-dependent** [Has76, Mag78, MPW73, Wei72]. **Timer** [HR74a]. **timing** [HR74a]. **TLASER** [DST75]. **Tokamak** [MBW76]. **Topics** [RC72]. **tops** [MW70, MW71a, MW71b, MW71c]. **toroidal** [Mik74, ST72]. **total** [SMD71, SR73, WB74]. **town** [Tom73]. **track** [BSP71]. **trajectories** [BS75a, HIM73, PS76]. **Trajectory** [vdM72]. **Tranal** [KPPR76]. **Transfer** [KK75, But78, EG74, FKU<sup>+</sup>76, HKK73, Mal70, PV74]. **Transform** [CH71b, Mar76, Yur78]. **transformation** [SZ79, SG72]. **transformations** [O'C74a]. **transforms** [Col77, CT79, EJ77, TS75b]. **transition** [BTS73, BF71, FS73, GPS75, MR77, PS76, PS77, Wil70]. **translation** [KPPR76]. **translations** [SMD71]. **transmission** [Deu79c, Deu79d].

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**X** [Bra72c, CL79, KPH78, CL79, Deu79a, Deu79b, Deu79c, Deu79d, FK73, Fer75, FFH76, vM76b]. **X-ray** [Fer75, Deu79a, Deu79b, Deu79c, Deu79d, FK73, FFH76, vM76b]. **XF** [CL79]. **xi** [Gra78].

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