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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,γ) [SR73]. $(a,\gamma-\gamma)$ [SR73]. (η,ρ) [BDG^{+}72]. $(np)^q$ [CLS^{+}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]. $3j$ [SG76]. $3n$ [Sha70]. $6j$ [SG76]. **\$7.70** [Cam72]. = [CL79]. $^{+}$ [BS77]. $_{2}$ [CL79, DST75, Mag75, RS76]. A [Kac77]. α [KPH78]. b_n [BS77]. d [Chi73b]. η [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]. λ [Chi72]. LU [KPP79]. N [KK71, CN73, Mor78a]. O(3) [MPS75]. $P_L^M(x)$ [Del79a]. R [BBC^{+}74, BBL^{+}78, BBL79, Bur73, Cla78, LWSS79, Rob72]. R^k [Lew70a]. ρ [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].

-coupling [Gra72, PGB78]. **-D** [CSC74]. **-expansion** [Lew70b, Lew79]. **-matrices** [Chi72]. **-matrix** [BBC⁺74, BBL⁺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]. **165** [HRR75]. **17.20/$29.00** [Gra78]. **18.70** [Nor73b]. **1975** [Ano74d, Ano74e]. **1977** [Ano76h]. **1978** [Ano79f]. **1p** [MNJL71]. **1p-shell** [MNJL71].

2 [CHW⁺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^{+}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^{+}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^{+}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^{+}79, CC79, Goo74, Tro73, Lab79c]. **Analytical** [TYCT73]. **analyticity** [Nut73]. **analyze** [AZS^{+}79]. **angle** [Deu79a, Deu79b, Deu79c, Deu79d, SK79]. **Angular** [TTW79b, Tam70, BRT78, BGMP79, Gra73a, Gra76b, Hib70, Hib71, Hib74b, Hib74a, Hub70a, Lab79b, Lan70, RV78, RSL^{+}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^{+}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, Köl72a, 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^{+}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^{+}74, BBL^{+}78, BB77, Bur72c, Bur73, CCR79, CLS^{+}70, Cro72, DSK72, DSK73, DHN79, DH71, EJN74, Fro73, 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^{+}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^{+}72, BEK^{+}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^{+}79, dJ78]. **beam** [IL74]. **beam-foil** [IL74]. **beams** [LL72]. **Beeler** [Nor73b]. **behaviour** [CIT73, CL79, Wes76]. **Berztiss** [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, Fro73, 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^{+}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^{+}74, BBL^{+}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^{+}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^{+}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^{+}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, KVW70, 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^{+}72, EGMS72]. **chambers** [BCV^{+}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^{+}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^{+}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^{+}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^{+}77, GPS75, JB77, Joa73, KVW70, 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].

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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, Fro71, Han78b, Rem72]. **corrections** [DHN79, EJN74]. **correlated** [WD77]. **correlation** [MRCL76, RSL^{+}78, WDM77]. **correlations** [CSP^{+}79, JB77, JR75]. **corresponding** [Sch74]. **cosine** [TS75b]. **Coulomb** [AAJ76, AL79, BDG^{+}72, BFSG74, 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, Fro73]. **cross** [All72, BKE79, Bet75, BTS73, BTS74, Com78, CLS^{+}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].

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[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^{+}72, SM78b, She76, TTW79b, AT75, And70, AM78, AM79, BFSG74, 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^{+}72, FC71, Hub73, MRCL76, RSL^{+}78, SS74, SS76, Wil72]. **gamma-gamma** [MRCL76, RSL^{+}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^{+}72]. **gauges** [Chr74a, Chr74b]. **Gaunt** [Moo79b]. **Gaussian** [AAH72, Mat72, VG74, War78]. **Gaussians** [vM75b]. **Gehlen** [Nor73b]. **general** [And70, Aue78, BBC^{+}74, BBL^{+}78, Bur70c, Cha73, DS75, Fro78, 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, KVW70, 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]. **gravitional** [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, Fro70, Fro72, Fro78, 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, Böc75, Cra72, FJK^{+}72, HIM73, KVW70, Kol78, LL72, Ran72, RR74, SM78a, SDH74, Sut72, VD74]. **high-density** [Cra72]. **high-energy** [Böc75, 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, Fro72]. **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$^+$76, TL74, TUWA79]. **induction** [Klu72b]. **industrial** [Cas72]. **inelastic** [BKE79, Bog77, DT79, EM76, Fun79a, Han78d, Hof74, LWSS79, SR78]. **inequalities** [KS79]. **infinite** [MAK$^+$72]. **information** [DSK72, DSK73, HM71b, Rob79c]. **infrared** [MW70, MW71a, MW71b, MW71c]. **inhomogeneous** [Cha73]. **initial** [CR74]. **initial-value** [CR74]. **Inner** [TS78, KB73]. **input** [Sax78]. **instabilities** [Wes76]. **instruction** [KS78]. **Instructions** [Ano74o, Ano76m, Ano77i]. **instrument** [Han78b]. **instrumentation** [HR74a]. **integer** [AM78, AM79, KCA76]. **integral** [BTS73, BTS74, CE75, De 77, FS75a, FC74, HD78, Jab73, Mor78a, MR73, Ste79, Yur78]. **integrals** [AT75, BDD78, BFKD77, DF76, FP73, Gio79, Gol78, Hib70, Hib71, Hib74b, Hib74a, Hol79, Lew70a, Mat72, Moo79b, NA72, OS71, ST73, SK79, WB74, Yur78, ZDN78]. **integration** [BG72, Gru79, Kil79, Mor78a, PS76, PB72b, GPS75]. **integro** [CSW78]. **integro-differential** [CSW78]. **intensities** [FK73, Fer75, Hof71, Hof74]. **Intensity** [Deu79a, Deu79c, BB74, BRT78, HE71, IL74, Lan70, LL72, ÖW70, RS74, RS75]. **Inter** [BDD78]. **Inter-electron** [BDD78]. **interaction** [AN79, ATV76, BGMP79, Bog77, BCE79, DT79, Ell75, FT71, Gia76, Hib75, Jam70, Joh73, Klo75a, Sax77b, vdSVSH73]. **interactions** [BKK76, Ste79, vM78b]. **Interactive** [Rou72, VDM78, AZS$^+$79, AK76]. **Interatomic** [Nor73b]. **interelectronic** [MR73]. **interfacing** [Zac74]. **interference** [FB75]. **interferometer** [HE71]. **interior** [CC79]. **Intermediate** [Cla78, Rus73]. **Intermediate-level** [Rus73]. **internal** [DHN79, DH71, PR75]. **International** [Ano78p, Cam72, Chr75a, Gos78]. **interpolation** [AAMB79, CM79, Moo79a]. **interpret** [vM76b]. **Interscience** [Moo72]. **interstellar** [BS77]. **intrinsic** [ABH$^+$72]. **introduction** [Rob74]. **invariant** [Jab73, Mor78a]. **Inversion** [FS75a, FC74, Hof74, LL79]. **investigation** [MS72]. **investigations** [SSZ73]. **involved** [Hei72]. **involving** [BFKD77, WS79]. **Ion** [FSR78, Aue78, But78, FKU$^+$76, KN79b, MM74, MRW76, TL74, TUWA79, Web73]. **ion-gun** [Web73]. **ionic** [SF76]. **ionisation** [Mag78]. **ionographic** [OVQT$^+$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$^+$79, AAB75, BPZ73, BP73, CB77, PB73]. **laser** [CAR74, CW79b, DST75, DH75, RS76, Smi78]. **lateral** [MRW76]. **Lattice** [KN79b, KN79a, NW79, Nor73b, HM71a, MR77, ÖW70, WW74, WW72]. **lattices** [CMS77, Zab73]. **Laue** [CA70, Pre79a, Pre79b]. **layer** [RD79, RS74]. **layer-by-layer** [RS74]. **layered** [Chr74b]. **layers** [Sko74]. **LCGO** [WC78]. **learning** [KM79a]. **least** [Bok78, Han78f, LM71, O'C74a, Pac72, RFSG72b, WS74, vM75b]. **least-squares** [RFSG72b, vM75b]. **Lecture** [Cam72, Mor78b]. **LEED** [Hof71, Hof74, RS74, RS75]. **Legendre** [Bra73, Del79a]. **lengths** [JP78]. **level** [AFH71, AF72a, AF74, Cro72, RFSG72a, RFSG72b, Rus73, Taf75b, Vio72, Wil70]. **levels** [SDH74]. **LIANA** [Smi70a]. **library** [Ano70b, Ano72a, Ano74d, Ano74e, Ano75d, Ano76g, Ano76h]. **Lie** [Bos76a, Bos76b]. **lifetime** [KE72, KE74, VDM78, War78]. **lifetimes** [IL74]. **ligand** [KK77]. **light** [HE73, RS76]. **like** [Moo71c, Tal76]. **limit** [BGMP79]. **limited** [EJ77, Han78c, Han78e]. **Limits** [JPB78]. **line** [ADF$^+$72, BS75b, Cra72, Duf77, GPS75, Jon74, KKN$^+$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$^+$72]. **M1** [BF71]. **Machine** [Zan72]. **machines** [LS79]. **macromolecules** [LNV78]. **MACSYMA** [BKK76]. **made** [HE71, RD79]. **Madelung** [JP78, ÖW70]. **magnetic** [BM76, Gol70, Hub70c, Hub70d, Klu72a, Mik74, PW72, vM78a]. **magnetohydrodynamic** [ABG$^+$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^{+}72, Sar70, Sar72, Sar78]. **Matrix** [FS75b, Hod76, Nes73, Nes79, BBC^{+}74, BBL^{+}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, Rob72, 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^{+}73]. **memory** [LS79]. **metal** [FS73]. **metal-non-metal** [FS73]. **metals** [DBB71, Isl73]. **meteorology** [Cha72]. **method** [ABG^{+}75, BBC^{+}74, BBL^{+}78, BCV^{+}72, Bur73, BCE79, CB77, Col77, CT79, CH75, DHD74, Dem72, Dem78, EG74, FS75a, Fro71, Gra78, Gue74, Hof74, HD78, Jon72, Jon74, KPH78, KVW70, 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^{+}73]. **microscopic** [FKU^{+}76, Fun79a, vM78b]. **migrating** [WD77]. **millimeter** [Smi78]. **Minicomputer** [Zac74]. **minicomputers** [VG74, vMG73]. **Miniconsult** [Zac74]. **minimization** [JR75, Tro73]. **Minuit** [JR75]. **mixed** [BF71, RSL^{+}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^{+}73, Cro72, GPS75, MAK^{+}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, KVW70, 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** [Fro70, Fro72, Fro78, KKN^{+}72, PB72b]. **multi-configuration** [Fro70, Fro72, Fro78]. **multi-particle** [PB72b]. **multi-users** [KKN^{+}72]. **multichannel** [vM79b]. **multiconfiguration** [Des75]. **multiconfigurational** [Lab79c]. **multidimensional** [Gen72, ZDN78]. **multiple** [Cop74, Cop75a, Cop75b, CH74]. **multiplicity** [ADO78, BK74, KB73, TS78]. **multiplier** [Wor73]. **multipolarities** [RSL^{+}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^{+}72, AAB75, Bet75, DG75, DTE74, ETH73, FB75, Hei72, KKN^{+}72, KM79a, LW75, OVQT^{+}76, Sei73, SMD71, SR73, SDH74, Smi70a, Sou73, TCR71, TL74, TUWA79, WMC71]. **nucleation** [KM79b]. **nuclei** [BF71, EM74, EM76, Hen75, Hod76, Kac77, PI78, RSL^{+}78]. **nucleon** [DHD74, FKU^{+}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$^+$72, Moo79b, Net75, Nor73a, Pet76b, Rob79a, Rob79b, Rob79c, Wei72, BG72, CMS77, CH74, EG74, For78, Fos72, FS75c, Gos78, Gra78, HD78, Jon72, Kil79, Lab79d, PB72b, RA78, Rob70, SSZ73, SZ79, TS75b, TYCT73, ZDN78]. **Numerov** [Fro71, 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, HR74b, HRR75]. **On-line** [Sch78, ADF$^+$72, KKN$^+$72, Rus73]. **on-resonance** [SDH74]. **One** [Has76, ABG$^+$75, AK76, BG72, CMS77, Cha74, CAR74, CRL78, DHD74, Dem78, Hib74b, Klo75b, Lew79, LNS76, MS78, PGB78, Rob73, Sal78, WB74, Yur78, dJ78, RM76a]. **one-center** [Yur78]. **One-dimensional** [Has76, ABG$^+$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$^+$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^{+}79, CC79]. **partial**
[CHMM73, EJ77, Jes79, PPR72]. **partial-wave** [CHMM73]. **partially**
[RSL^{+}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]. **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^{+}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, Böc75, BS75a,
Bur72c, Bur73, FJK^{+}72, KKN^{+}72, Kol78, McN71, Nad75, Ned72, Pas72,
VD74, Zac72, Zan72, Zhi72, Bee73, Bra72c, Lai74, McN71, Bur72a]. **pic**
[DH75]. **pictures** [EGMS72]. **pion** [Fun79a, Fun79b]. **pion-nucleus**
[Fun79a, Fun79b]. **pions** [EM74, EM76, ET76]. **Pipit** [ET76]. **PIRK**
[Fun79b, EM74]. **pitfalls** [Haz72]. **place** [Rob79a]. **Planck** [FSR78]. **Plane**
[BDG^{+}72, DEW78]. **plant** [KM79a]. **PLASKEM** [Rob79b]. **Plasma**
[McN71, BGT76, BMS72, CMS77, Daw72, FM79, FC74, LNS76, MS72, OC78,
Rob79a, Rob79b, Rob79c, TT78]. **plasmas** [ATV76]. **Plenum**
[Bee73, Nor73b]. **Plot** [Pre79b, CA70]. **plotter** [Moo71a, Moo71b]. **plotting**
[AMB75, ABMT78, Cra72, MMK73]. **point** [CSC74, FM79, KK77, LB76].
points [AMB75, AAMB79, CC79]. **Poisson** [CH71a, Hug71].
Poisson-solver [CH71a]. **POL** [AZS^{+}79]. **polarisation** [Lan70].
polarization [Ber77, CS78, Sei73]. **polarization-modulation** [Ber77].
polarizations [Hei72]. **Polarized** [Cal73]. **poles** [CSP^{+}79]. **poloidal**
[BM76]. **polycrystal** [SR78]. **polylogarithms** [MP74]. **polymers** [And70].
Polymol [And70]. **polynomial** [Del79a]. **Polynomials** [Bra73, Ort72].
Polytechnic [AF72b]. **polytropic** [BM76, Mik74]. **population**
[SM78a, Tal76]. **portability** [Böc75]. **portable** [Day77]. **position**
[KE74, War78]. **positions** [FFH76]. **positive** [Bos76a]. **positron**
[KE72, VDM78]. **positronfit** [VDM78, KE72, KE74, War78]. **Potential**
[Haz72, AAJ76, All72, Cug73, DT79, ET76, FT71, FM79, Gia76, Has76,
Hir73, HH75, Kla71, Klu72b, Nil72, ÖW70, TTW79a, Tel73].

potential-energy [Nil72]. **Potentials** [Nor73b, AAH72, AL79, Joh73, LW75, PS74]. **Potter** [Lai74]. **powder** [vM76b, vM77]. **powders** [DG75]. **power** [Jam70, KM79a]. **powers** [MR73]. **pp** [Gra78]. **Practical** [Rob71, Hoa70, LM71, Smi77]. **Practice** [Smi72]. **pre** [Bet75]. **pre-equilibrium** [Bet75]. **predict** [RS76, Rob79b, Smi78]. **Preface** [Ano73m, Ano78q, Bis76, Bur79, Mac72]. **preprocessor** [HRR75]. **presence** [PW72]. **preserving** [BS74]. **Press** [AF72b, Bee73, Bra72c, Bur72a, McN71, Nor73b, Pat73, Smi72, War73]. **pressure** [RCL75]. **Preuss** [Yur78]. **Price** [Gra78]. **prime** [DW72]. **principle** [BB79, Wil70]. **principles** [Gli78, Sut72]. **Printer** [Moo71b, Cra72, Moo71a]. **Printer-plotter** [Moo71b, Moo71a]. **probabilities** [BF71, vdB74]. **probability** [Mal70]. **probes** [Ugn78]. **problem** [BH72, Cam75b, CB77, CB78, De 77, FH74, MAK^{+}72, ZKU79]. **problems** [BTS73, Cam70, Fle72, Gru75, HKK73, KS73, KS75c, LW75, MS72, Ned72, vdSVSH73, Sch72, Sta72, TYCT73, Zhi72]. **procedure** [DESL79, Gen72, GMR75b, LM71]. **procedures** [TYCT73]. **Proceedings** [Ano79f, Cam72, Zac74, AF72b, Chr75a, Gos78]. **processes** [BBC^{+}74, BBL^{+}78, LVPG78, RM76a, RM76b, RM76c, vdB74, Moo72]. **Processing** [AF72b, CMW74, Sch78]. **processors** [vdSVSH73]. **product** [CW79a]. **production** [MT76, PPR72]. **products** [Chi72, DW72, Klo75b, Sax77a]. **profiles** [DG75, OBLR73, SLH78]. **Program** [Ano72o, Ano72p, Ano73n, Ano73o, Ano74p, Ano74q, Ano75s, Ano75r, Ano76p, Ano76q, Ano78r, Ano78s, Ano78t, Ano79p, Ano79q, Ano79r, Bar76, Bet75, Böc75, BTS73, BTS74, Bur70b, Hof71, Hof74, KM74, MT79, NA72, ST73, Ste76, Wil70, AV78, ABH^{+}72, And70, Ano70b, Ano70i, Ano71f, Ano72a, Ano74d, Ano74e, Ano75d, Ano76g, Ano76h, ABG^{+}75, AK76, BRT78, BSP71, Bat74, BGMP79, BBC^{+}74, BBL^{+}78, BD72, BP77, BEM79, Bur70c, But78, Cam75b, CSP^{+}79, Cha73, Cha74, CW79a, CCR76, CCR79, Chi73a, Chi73b, CH71a, CC79, CLS^{+}70, CSW78, DHN79, Des75, Deu79a, Deu79c, DH71, DS75, Duf77, EM74, EM76, FT71, Fem71, FK73, Fer75, FFH76, Fro70, Fro72, Fro78, Gia76, Gio79, Goo74, Gra73a, Gra73b, Gra76b, Han78a]. **program** [Han78b, Han78c, Han78e, Han78f, Han78d, Hib70, Hib71, Hib74b, Hib74a, Hib75, HRB72, IL74, Jab73, Jam70, Kac77, KF71, KPH78, KSSA78, KE72, KE74, KS75b, Kla71, Klo75a, KS79, KS73, KS75c, Kon78a, KPPR76, KPP79, LCW71, LS79, MRCL76, MP74, MRW76, Mar76, MW71a, MW71b, MS78, Mor72, MT76, Mor78a, O'C74a, O'C74b, PB72a, PR75, PV74, PS78, Pre79b, PGB78, Rob70, Rob73, RCL75, RS76, Rob79a, Rob79b, Rob79c, RBHW76, RSL^{+}78, Sar78, Sax77a, Sax78, Sei73, SR73, SDH74, SS74, SS76, Smi70b, Ste79, Str74, Str79, Tro73, VD74, Vio72, VDM78, WB74, Yat71, Zlo79, Zoh72, dJ78, vM76a, vM76b, vM77, vM78b, vM78a, vM79a, vM79b, MW70, MW71c, WP73]. **programme** [Ano76o]. **programmes** [PPR72]. **programming** [AAB75, Hoa70, Nad76, Pel78, Rob71, Rus73, vdB74]. **Programs** [FC71, Köl72a, Sch74, AD73, BPZ73, BP73, CR74, Fro73, Gra71, Haw73, PB73, RR74, RV78, SMD71, Tho72, WC78]. **Progress** [BH72, Sut72]. **project** [GCCB73]. **projection** [ABH$^+$72]. **projections** [CA70, Pre79b]. **prompt** [War78]. **propagation** [DH75, LWSS79]. **properties** [FS73, Joh78, JVS72, Tho79]. **property** [CMS77]. **proton** [Fun79a, Fun79b, LL72, MT79]. **protons** [BBH$^+$77, Mal70]. **protostars** [Tsc76]. **pseudorandom** [GR78]. **PULSAMP** [RS76]. **pulsar** [Pet76b]. **pulse** [AK76, DH75, Sou73, vM79b]. **pulse-height** [AK76, vM79b]. **pulses** [RS76]. **punching** [Fem71]. **pure** [BF71]. **purpose** [DS75, vdSVSH73, VD74, vM75a, vM76a, vM79a].

quadratically [DESL79]. **quadrature** [Gen72, Rei79, Tel73]. **quadruply** [WS79]. **quadruply-excited** [WS79]. **quadrupole** [DG75, God78, LJLC72, SS71, vM77]. **quadrupole-distorted** [vM77]. **quantal** [RR76]. **Quantum** [RSA74, BTS73, FH74, LL79, Ner78, Rem72]. **Quasi** [DeV76, Tal76]. **Quasi-bound** [DeV76]. **quasi-steady** [Tal76]. **Quasiclassical** [CL79]. **quasilinear** [Dem72]. **quasiparticle** [HH75].

R [Bee73, Chr75a, Mor78b, Nor73b, Smi77, Sut72, War73]. **Racah** [AD73, BK74]. **Radial** [SF78, FS75c, Jam70, Lab79c, Mar73, Pie73, SS71, Ste79]. **Radiation** [FM79, BS75b, CE75, Hub71, Jon74, KK75, Lan70, SK79, Tor73, TW79]. **Radiative** [Rem72, EJN74, EG74, HKK73, IL74, SF78, WBG79]. **radical** [Bel72]. **radii** [Fun79a, Fun79b]. **Radio** [BS77, Sch78]. **radioactive** [Aur77]. **radioastronomical** [BS75b, Sal75]. **Raman** [MW70, MW71a, MW71b, MW71c]. **RAMSES** [DH75]. **random** [KCA76, Sch74, WDM77]. **randomly** [WD77]. **range** [BP77, FKU$^+$76, Hub70d, LR72, NK78, PV74, Ste79, TL74, TUWA79]. **ranges** [MRW76]. **Rapid** [Mue71, BKE79, GMR75b]. **Rapidity** [Jad75]. **rate** [Rob79c]. **rates** [TSD76]. **rational** [GMR75b]. **ratios** [MRCL76]. **ray** [AWG71, BCV$^+$72, Deu79a, Deu79b, Deu79c, Deu79d, FK73, FFH76, FC71, Hub73, Wil72, vM76b, Fer75]. **Rayleigh** [SS74]. **rays** [RSL$^+$78, SS74, SS76]. **RCWFF** [Bar76]. **RCWFN** [Bar76]. **REACS** [Rob79a]. **reactance** [BTS73, Hen75, Sar70, Sar72, Sar78]. **reaction** [CL79, Hod76, vdM72]. **reactions** [Ass75, Bet75, But78, FKU$^+$76, HIM73, Hei72, MT76, OVQT$^+$76, Rob79a, Rob79c, SM78a, Sei73, SMD71, SR73, SDH74, TCR71, TL74, TUWA79, WMC71]. **Reactive** [Con79, Dic79, LWSS79]. **reactor** [CHW$^+$78, CHR75b, KKN$^+$72]. **Real** [Bar76, AM78, BFSG74, Cam79, CB77, Gli78, Sch78, Taf75a]. **real-symmetric** [CB77]. **real-time** [Sch78, Taf75a]. **real-time-System** [Gli78]. **reciprocal** [HM71a]. **Recognition** [BEK$^+$72, Zan72, ZS77]. **recoil** [PV74]. **recombination** [BS77, Mag78]. **recoupling** [Bur70c, Gra73b]. **Recursive** [PB72b, SG76, Ort72]. **REDUCE** [Cal72, CB78]. **Reduced** [Bra78b, Gla78, Klo75b, BC72, BF71, Cha74, Rob73, Sax77a, Sax78, Bra78a, FS75b]. **Reduction** [Ugn78]. **reference** [Smi77]. **refinement** [LM71].

reflection [FK73, Fer75, KN73, PI78]. **reflections** [FFH76]. **Regge** [HIM73]. **region** [vdM72]. **regions** [BS77, Nor73a]. **registered** [OVQT^{+}76]. **regularized** [GVV79]. **reinforcement** [KM79a]. **reinforcement-learning** [KM79a]. **relations** [Han78d]. **relative** [BPW71, BPW72b]. **Relativistic** [Bra72b, Bra72a, GH78, Gra79, LCW71, Des75, EJN74, Gra73a, Gra76b, Lab79a, Mor78a, SS76, WB74, Yat71]. **relativity** [Pay76]. **relaxation** [CB77, RCL75]. **reliable** [Han78c, Han78e]. **Remarks** [Köl72b]. **Renyi** [Cha76]. **representation** [Cho70, Hub70b, KSSA78]. **representations** [Bos76b, MPS75, Net75, Wor73]. **repulsion** [BDD78]. **request** [Ano72l]. **required** [ST73]. **research** [Aig72, Cas72]. **resistivity** [Isl73]. **resolution** [MMK73, Sut72, VG74]. **resonance** [DG75, SDH74]. **resonant** [KK75]. **resource** [Gli78]. **respect** [JP78]. **response** [CHR75b, LLC76]. **restart** [HR74b]. **results** [ABMT78, BJ76]. **retrieval** [DSK72, DSK73, HM71b]. **Review** [AF72b, Ano79f, Bee73, Bra72c, Bur72a, Cam72, Chr75a, Del77, Gos78, Gra78, Hib79, Hoa70, Lai74, May74, McN71, Moo72, Mor78b, Nor73b, Pat73, Smi72, Smi77, Sut72, War73, Zac74, Fro73]. **revised** [Gra76b]. **Richtmeyer** [Chr75a]. **rigid** [KN79b]. **Ring** [TS75a, Wil78]. **RKR** [Tel73]. **Role** [Nad76]. **roots** [Bos76a]. **rotation** [BC72]. **rotational** [BB74, DT79, Hir73, HH75]. **rotationally** [BKE79]. **Rotenberg** [Bra72c, McN71]. **routine** [Gru79, HR74a, Isl73, McC75, Moo71a, Moo71b, Ste71, WS74, Zlo78, vM75a, vM75b, vM78a]. **routines** [BPW72c, Gar74]. **Rovibrational** [Hen75]. **run** [BTS74, DTE74, NA72]. **Rurp** [Rin79].

S [Bra72c, McN71]. **safety** [CHW^{+}78]. **sampling** [CL79, KVW70]. **Sanderson** [Hoa70]. **Saxon** [Cug73, DHD74, Hir73, HH75]. **Scalar** [Klu72b, Chi72, KS73, vM78b]. **scale** [AAB75, vM75c]. **scaling** [vM79b]. **scattered** [KPH78]. **scattering** [AT75, BJ76, BTS73, Bra72c, BBL79, CSP^{+}79, Cha73, Chi73a, Com78, CLS^{+}70, Cop74, Cop75a, Cop75b, DT79, Deu79a, Deu79b, Deu79c, Deu79d, EM74, EM76, Fun79a, Fun79b, Gro72, Han78d, KF71, MS78, Moo71c, Nes79, Nut73, Rei73, Sin70, Sko74, SS74, SS76, Smi70a, Smi70b, ST73, SR78, Ste79, TTW79a, TYCT73]. **SCF** [DESL79, KPH78, WB74]. **scheduling** [BP73]. **scheme** [PB73, Wil70]. **schemes** [FC71]. **Schmidt** [O'C74a]. **school** [Nad75]. **SCHOONSCHIP** [Str74, Ner78]. **SCHOONSHIP** [Str79]. **Schrödinger** [Has76, BG72, Bel72, HH79, HLS75, Kil79, LR71, Mar73, RA78, Wei72]. **Schwinger** [Moi73]. **science** [AAB75]. **Sciences** [Mor78b]. **scientific** [Aig72]. **scientists** [Del77]. **screening** [DH71]. **Sea** [Tom73]. **Search** [O'C74b, Smi70b]. **searches** [GMP76]. **Second** [Cam72, BCE79, Cha73, Dem72, GMP76, Hol79, Lew70b, Sil78b]. **second-order** [Cha73, Lew70b, Sil78b]. **section** [Bet75, SR73, Yos78]. **sections** [All72, BKE79, BTS73, BTS74, Com78, CLS^{+}70, Hei72, Hen75, LJLC72, MMM74, MT79, PV74, PS77, Sar72, Sar78, SMD71, vdB74]. **Selection** [HM71a]. **Self** [CCR76, Des70, LCW71, WD77]. **Self-consistent** [CCR76, LCW71]. **self-diffusion** [WD77]. **selfgravitating** [TW79].

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