A Selected Bibliography of Publications by, and about, Cornelius Lanczos

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Title word cross-reference

(2) [Mon95]. $(2+1)$ [Car94a]. (k) [YC99]. **$11.50** [Jam70]. **$12.50** [Bla76]. $2+1$ [BV94a, LM94]. 2.5 [WCL+93]. **$9.00** [Bel57]. $_2$ [SP99]. $_N$ [KBGE97]. $Ax = \lambda Bx$ [Kal84, GUW72]. $C_n(x)$ [Ano52, Hig93, Hig96, Hig97]. D [Tor95]. ℓ [SFvdV94]. γ [Pir94, WTVNF87]. GF(2) [Cop93]. H [DT94, Edg94, HN94]. $H_{\mu\lambda\kappa}$ [AD94]. k [CrFS09, SSS96]. K_- [FLL97]. L [CGR99, CHR02, MS01]. $L_2(\mathbf{R}^d)$ [RS94]. $\mathbf{F}_2$ [PM08]. $\mathbf{R} \times T^2$ [LM94]. q [AD94, CD74b]. $Q_{\mu\lambda}$ [AD94]. QR [FG02]. S [CD74a]. $S = 1/2$ [MC92, Hon01]. $S_n(x)$ [Ano52, Hig93, Hig96, Hig97]. SR [BF98]. τ [Col87, Den06, Wra66, Wri70]. $\tilde{\mathrm{X}}^2\mathrm{A}_1/\tilde{\mathrm{A}}^2\mathrm{B}_2$ [SP99]. $Y_0(z)$ [ZB95, Zha96]. $Y_1(z)$ [Zha95, Zha96].

-curve [CGR99, CHR02, MS01]. **-Dimensional** [Car94a]. **-eigenvalue** [FLL97]. **-Lánczos** [FLL97]. **-method** [Col87, Den06]. **-methods** [Wra66]. **-Ray** [Pir94, WTVNF87]. **-Step** [SSS96, CD74a]. **-Tensor** [Edg94, DT94, HN94].

0 [Wea01]. **0-929493-01-X** [Wea01]. **'05** [Kau05].

1 [BRS92a]. **1893** [Mar93]. **1893/1993** [Mar93]. **1956** [Tei57]. **1964/1966** [CW67]. **1966** [GG71]. **1968** [Fil70, Moo71]. **1970** [Bir71]. **1972** [Mil73]. **1974** [GS74]. **1975** [BR76]. **1977** [Ric77]. **1981** [GL82]. **1989** [KvSR90]. **1993** [BCEP94, Mar93]. **1993-2002** [Ban02]. **1995** [ME96]. **1999** [F$^+$00].

2007 [SM07]. **20th** [Cip00].

3-5 [ME96].

40 [GS87].

539pp [Bel57].

672 [Lan67c].

900 [HE98]. **92j** [BRS92a]. **'96** [ACM96, BDLS96].

ABLE [BDY99]. **Ableitung** [Lan33a]. **Absorption** [SP99, WTVNF87, RA93]. **Academic** [Bir71, Bla76, Cou71, Jam70]. **Academy** [Mil73]. **accelerating** [ADRS92, ADRS95]. **Acceleration** [TMC94]. **acceptance** [Coo87, Coo90]. **Accuracy** [Pai80, Pai19, HL06]. **accurate** [GVBV06, TC08]. **ACM** [ACM97]. **ACM/IEEE** [ACM97, ACM98]. **Acoustic** [RA93]. **acoustics** [TLP08]. **action** [Lan25g, Lan69a, Lan72b]. **Adapted** [Wic94]. **Adaptive** [BDY99, Ber94a, FGP90, FGP91, TLP08, YBS$^+$10, RR99, Sun99, Ye96]. **Addendum** [BRS92a]. **Adjoint** [Lan58b, Lan78a]. **Adjusting** [Ste02]. **Adler** [Bef94]. **advance** [Lan23b]. **Advanced** [Ort75b]. **advances** [FGN93a]. **advantages** [HW84]. **Aether** [Lan25e, Lan25d, Lan21]. **aether-equations** [Lan21]. **Aethergleichungen** [Lan21]. **Affine** [HN94, JZ08]. **age** [Mar96]. **Ages** [Jam70, Bir71, Lan70b, Lan73a, Cou71]. **Ahead** [Fre94b, GR00, BZS99, FGN93b, PT81, PTL84, PTL85]. **Akademie** [Tre66]. **Alapítvány** [Ban02]. **Albert** [Bri66, Bro66, Hou65, Mal65, See65, Tre66, Wre66, Lan55a, Lan59, Lan65a, Lan67b, Lan67a]. **Algebra** [HVB94, Hog07, Riv90, Gol73, Lan67c]. **Algebraic** [Kau05, Küc97, Sim03, WTV87, Wil65, BD97, Lan68a]. **Algebraically** [CD74b]. **Algorithm** [AHB94, BTGV07, BGV94, BG84, BLL92, CG61, Cla94, CSW02, CD74a, CD74b, Day97, FF94, GVK20, GUW72, GS87, GLS94, GP94b, JN10, KW94b, LG90, Mon95, MF86, MO01, Nes65, Ng94, Pai76, Pai80, PS79, PR81, PSS82, Par90, Par94, Sch96a, Sco79, Sim84a, SWMC95, SWCM96, SWC99b, WL96, XCK94, XK94, ZS07, Bai94, Bau86, BF98, BF06, Blo84, BG91a, BG91b, BRS92b, BQW09, BvB97, CDvdV91, CC03, ÇHM00, CSW01, Cop93, CLWE89,

CW81, CWL83, DFS92, DB98, Den06, ER82, FG02, FLL97, FGN93b, FF87, GGV96, GV99, Gol73, GM97, Grc81, GP95, GL88, HE05, Huc95, JZ08, JP93, Kal84, Khe91, KC88, KC90, KL99, KV93, MSW87, MS93, NR07, Nex89, Par80, PT81, Par82, PTL84, PTL85, Par87, PC90, Pay87, PPS18, RR91]. **algorithm** [RA93, Rut53, Saa80a, Saa82, Sch96b, Seh86, Sha70, Sim84b, ŠT22, SH83, Tei98, TLP08, WC04, WB99, Yam68, Ye96]. **Algorithmic** [BBGL92, HKS93]. **Algorithms** [Ber94b, Cip00, CW85c, CW85a, Cul94a, Cul94b, Cul94c, CZ02, Eva74, ESB84, FSvdV98, Fre94a, GO89, Gre94, Gut92, Gut94a, KP74, KW92, PNOJ85, Saa94a, Saa94b, Vac91, BRS91, BRS92a, BS93, BRZ98, BZS99, CRZ94, CL94b, Cul96, CW02, EK97, ER87, FN96, GO87, GMG11, KC91, LW98, MS06, Meu06, MdM95, SWC99a, Ye91, Ye94]. **Algorithmus** [Rut53]. **allgemeine** [Sch81]. **allgemeinen** [Lan25a, Lan23d, Lan25g, Lan27a, Lan27b, Lan30b, Rei23, Tre66]. **ALPS** [Sun99]. **általános** [Lán29d]. **Alternant** [KBGE97]. **Alternative** [YC94, PdH02]. **am** [Tre66]. **among** [AD94, PNOL88, Par92]. **Amsterdam** [KvSR90]. **analiza** [Lan61d]. **Analyse** [Sad89]. **Analyses** [Grc81]. **Analysis** [BF87, Cal94, CSW02, GG96, GS87, Hou64b, Hou64c, Hou06b, KP74, Lan56, Lan61b, Lan61d, Leh95b, Leh95a, Pai76, Pug04, Saa94a, Saa94b, Sim84a, Vac91, Bai94, BJSR93, CW84, Dan40, DL42a, DL42b, Fas00, GL88, IC99, KC88, KJKL03, LD39, Lan55c, LG75, Lan88, Mil73, NO93, NOC84, NOC85, NO87, NOR89, Pai69, PV99, RR99, RLAS97, Sca74, Sim98, SH83, SSS93, SSS94, $S^{+}62$, Ye91, Bel57, Tei57, Tod58]. **Analytical** [Lan38b, Lan52a, Lan29b, Lan05d]. **andern** [Lan32b]. **Anlaß** [Tre66]. **anniversary** [Ban02]. **anomalous** [Lan30c]. **ansätze** [Ill05]. **Antennas** [FP94]. **anti** [Hon01]. **anti-ferromagnet** [Hon01]. **antiferromagnetic** [MC92]. **Anwendung** [Lan25a]. **appearance** [Lan32c]. **Appl.** [Hig93, Hig96, Hig97]. **Application** [BJSR93, Boy95, CC03, CSW02, CS94b, GAVC07, GW98, LD39, LWA99, Sid94, SSS96, XCK94, CDvdV91, Dan40, DL42a, DL42b, Kom03, Lan25a, Bor04, Mee05]. **Applications** [BF01b, BKS08, But94, CL94a, Fre94b, HL00, Ng94, NO89, Now94, SZ00, Vac91, Wel94, BG91a, BS05, FJ05, ME96, Num85, OR97b, Rod76, Sor95a, HL83, MdM95]. **Applied** [Bel57, $F^{+}00$, GL84, Lan56, Lan61b, Lan61d, Lan88, Tei57, Tod58, GORR16, GL82, Han97, RR91, Seh86]. **appreciation** [Lan67h, Lan67i]. **Approach** [Bor00, Hal94a, Rim94, MGRB11, Lan62a]. **approchée** [Kry31a]. **approximants** [KW94a]. **approximate** [CrFS09]. **approximating** [Den06]. **Approximation** [God01, GT94, Lan64f, OR97b, Pug04, Riv90, SZ00, BY98, $BEJ^{+}18$, Col87, Dru08, Grc81, Gut94b, ITS10, Lan35b, Lan36a, NO93, YR09, GMG11]. **Approximations** [Sid94, vdEH05, Fro09, GV99, Mor09, Ort75a, ZB95, Zha95, Zha96]. **APS** [Den06]. **Arbeit** [Rei23]. **arbitrarily** [VVBG07]. **Arbitrary** [BV94b, Gre58]. **Architectural** [SWC99b]. **Architectures** [GP94b, JP94, GP95, JP93, MdM95]. **Argonne** [BR76]. **Arithmetic** [Cse99, Gre94, MS06]. **Arnoldi**

[Rad96, Wan01, BG84, Cul96, CZ02, GT94, JK94, Leh95b, Leh95a, LS97, LYS98, Leh99, Mee98, Sim98, Sor95b, Sor95a, Sor96a, Sor96b, VV06]. **Arnoldi/Lanczos** [GT94, Sor95b, Sor95a, Sor96a]. **ARPACK** [LYS98]. **art** [Lán73d, vdV94a]. **Askey** [Mas94]. **Aspects** [MO01, SW72, Lan37]. **Associated** [AD94, BEGG91, GLA92]. **Astrophysical** [Wil94]. **Astrophysics** [BS94, MSY94, Sto94]. **asymmetric** [AE98]. **Ätherstrahlung** [Lan25e, Lan25d]. **Atom** [WTVNF87]. **Atomic** [BCA08, HHK72, HHK75]. **attacking** [BF06]. **Aufbau** [Lan35a]. **Auftreten** [Lan32c]. **Augmented** [BR05, MT95, Pai10]. **August** [F$^+$00, GS74, Mil73]. **Ausgestaltung** [Lan30e]. **Australia** [ME96]. **automatic** [LP99]. **Avoiding** [BRS91, BRS92a].

Bach [Ray78]. **Band** [BF01b, GZA86, RRB94]. **Banded** [ESB84]. **Bands** [HHK72, HHK75]. **Baryon** [SBS94]. **Based** [BF01b, Ber94b, Ber94c, CR02, CG97, GR00, HHK72, Nag94, RG98, YC99, BTGV07, CGL94, CW80, Fis00, FGN93a, GMG11, Han01, HHK75, HRT08, IC99, Lyn74, Ng94, RH10, SSS93, SSS94, TLP08, ZT07]. **Bases** [RS94]. **basis** [HL83, WC04]. **be** [Kni10]. **Before** [Coo94b]. **Behandlung** [Lan25d]. **Behavior** [Gre89, GS92]. **Beijing** [Kau05]. **Beitrag** [Lan21]. **Beitrage** [Rut53]. **Bemerkung** [Lan22a, Lan23b, Rei23]. **Berlin** [Tre66]. **Berliner** [Tre66]. **Beschaffenheit** [Lan26a]. **Bessel** [Rap94, ZB95, Zha95, Zha96]. **Best** [Cip00]. **Between** [BP14, Lan33c, Mee98, PdH02, RN82, Wri70, vdV94a]. **Bewegungsprinzip** [Lan27a]. **Beziehungen** [Lan21, Lan29b, Lan25c]. **Bi** [vdVV95, GVBV06, VVBG07]. **Bi-Lanczos** [vdVV95]. **BI-RME** [GVBV06, VVBG07]. **BiCGSTAB** [YC99, SFvdV94]. **Biconjugate** [YC94]. **Bidiagonalization** [BR05, BGV94, JN03, JN10, SZ00, BR06, BQW09, CGR99, CHR02, HRT08, HPS06, KBG04, MS03, ZT07]. **Biennial** [ME96]. **bifurcation** [Pap90]. **Binary** [Fin94]. **Binding** [HHK72, HHK75]. **biographical** [Gel93, Gel94]. **Biorthogonalisierungs** [Rut53]. **Biorthogonalisierungs-Algorithmus** [Rut53]. **biorthogonalization** [Rut53, Saa80a, Saa82]. **bisection** [CrFS09]. **Black** [And94, Bro94a, GGS94, Man94, Tei94, Wal94, PNO89]. **Block** [AHB94, ADRS92, BCR03, BDY99, Ber94a, CD74a, CD74b, Cul94a, Cul94b, GLO81, GLS94, GP94b, Mon95, NOC85, Und75, WL96, Bag00, BR06, BJSR93, BF06, CR99, Cop93, GP95, GJS04, GL88, GLA92, HE05, Jia98, KC88, KC90, KWPP89, Lam08, MSW87, Nex89, Saa80b, Ye96, ZJ23, ADRS92, ADRS95]. **Block-Lanczos** [BCR03, CR99]. **body** [WB99]. **Book** [Ano95, Bal75, Bar63, Bir71, Bla76, Bor04, Bro66, Cou71, Fil70, Gil62, Goo70, GG71, Hou65, Isa96, Jam70, Lan67c, Lew51, Mal65, Mee05, Moo71, See65, Smi63, Tei57, Tod58, Wea01, Wre66]. **books** [Ano94b]. **Bootstrapped** [ZJ23]. **Bose** [CKLS05]. **Bosons** [Fra94]. **Boston** [CW67]. **Bound** [WTVNF87, CKLS05, JZ08]. **bound-constrained** [JZ08]. **Boundary** [Lan66a, Lan68a, Che81, Lan60a, Ode02, RA93].

boundary-value [Che81]. **Bounds** [CSW02, FW99b, FW99a, KW94b, Saa94a, Saa94b, SS94, vDHvdV01, CHR02, vDHvdV00]. **Box** [Bro94a, PNO89]. **Boyd** [Fil70, Goo70, GG71, Moo71]. **bracket** [Lan72c]. **Breakdown** [Kar94, BRS91, BRS92a, BRS92b, LAW98, Ye94]. **breakdown-free** [BRS92b, Ye94]. **Breaking** [BM94a]. **Brown** [Ano95, Isa96]. **Bryan** [Hou64a, Hou75, Hou06a]. **BSOR** [CKLS05]. **Bur.** [Hig93, Hig96, Hig97]. **Bursts** [Pir94]. **butterfly** [BF98].

C
[Ano95, Bar63, Bel57, Fil70, Goo70, GG71, Hig93, Hig96, Hig97, Isa96, Smi63]. **calculate** [WC04]. **calculating** [BS56, Ret82]. **Calculation** [BS70, CGP76, Fel74, MF86, MO01, SP99, Sor95b, Wil57, Wil58, ÇHM00, Dav75, Nex89, SBPH73]. **Calculations** [Car94b, WCSW99, Sor96a, TMC94, WZ94]. **Calculus** [Lan58e, Wic94, Lan62a, Lan73b]. **Calgary** [GS74]. **California** [ACM97]. **Cambridge** [Lan67c]. **Can** [Tre94, Kni10]. **Canonical** [Thi94, Bun97, Lan34a, Lan34b, Lan58d]. **Carolina** [BCEP94, Wea01]. **Cartan** [Ger03]. **Case** [Cul94a, Cul94b, BF06]. **Cauchy** [BK94, FG02, Ise94]. **Censorship** [BK94, Rud94, Gar94]. **Centenary** [Ano95, BCEP94, Isa96]. **centennial** [OR97b, OR97a]. **Center** [ACM98, Ric77]. **Century** [Lid01, Cip00]. **CG** [CLS24, vdV94a]. **CGS** [Son89]. **CH** [KBGE97]. **chain** [LWA99]. **chains** [MC92]. **Challenge** [Sto94]. **challenges** [F$^+$00]. **Changing** [Mee01a]. **characteristic** [BS56, Kar51]. **characters** [Ger03]. **Charged** [GGS94]. **Chaussées** [GGMP88]. **Chauvenet** [Abb78]. **Che** [Lan67d]. **Chebyshev** [Hig93, Hig96, Hig97, Ano52, Boy95, BP14, BSPL96, Che81, Lan53, Lan73c, Loh84, Mas94, OIO03, Ode03, Ort94a, Riv74, Riv90, ZS07]. **China** [Kau05]. **Chiral** [SBS94]. **choice** [NO93]. **Christoffel** [Lan38c, Lan62c]. **chromodynamics** [F$^+$00]. **Chronicle** [Lid01]. **Chu** [Ano95, Isa96]. **Cimmino** [ADRS92, ADRS95]. **Circulant** [fCL94]. **class** [KC91]. **Classical** [FM94, Man94, WTVNF87]. **Cliffs** [Bel57, Tei57]. **close** [RLHK51]. **Closed** [Lan25e, WTV87]. **Clustered** [AHB94, SWC97, Wül05a]. **CMoC** [Cla94]. **Co** [Bar63, IC99, KJKL03, NOC84]. **co-ordinates** [IC99, KJKL03, NOC84]. **COCR** [JHZ$^+$09]. **code** [MGRB11]. **Codiagonal** [Wil57]. **coefficients** [AE00, Lan35b, Lan36a]. **Collapse** [KCGR94, Pea94]. **collected** [D$^+$98, Wea01]. **collection** [Abb78, OR97b, OR97a]. **Collimated** [vP94]. **Collisionless** [SW94]. **Collocation** [EDO94, Wri70]. **colloquium** [CW67]. **Combination** [Eck26, DFS92, KV93]. **Combining** [Sch96a, Sch96b]. **commemorate** [OR97b, OR97a]. **Commentaries** [CGO07, D$^+$98, Wea01]. **Commentary** [Hig93, Hig96, Hig97]. **communication** [NOC85]. **Comparative** [Ton92]. **Comparison** [NOPR88, PNOR87, vdV94a, GP94a, Mee98, RN82]. **complete** [ELT79, MS03]. **Completed** [Gut92, Gut94a]. **Complex** [Col87, God01, Rap94, DFS92, JHZ$^+$09, Lan26a, PPS18]. **component** [CKLS05]. **Composite** [BM94a]. **composition** [Luz31]. **Computation**

[Ano56, BKS08, CGO07, DGK98, God01, Jen77, MT94, MT95, MCSW96, MCSW97, Rap94, CH90, Fie01, GVBV06, Pai71, VVBG07, Kau05, Küc97, SM07]. **Computational** [BS94, HW84, HKS93, KC90, Lyn74, MSY94, Pai72, SM07, Sto94, ME96]. **computationally** [KL99]. **Computations** [BR76, CL94a, CW85c, CW85a, GV83, GV89, GV13, GS92, CL94b, CW02, KO94, KV93, Meu06]. **compute** [ŠT22]. **Computer** [BF87, Cse99, F+00]. **Computers** [PNOJ85, Rod76, SGN94, Yan97, KC91, RLAS97]. **Computing** [ACM97, ACM98, BH95, BH96, Cse99, CD74b, CW81, FJS84, F+00, GL82, GL84, GLO81, JN03, JN10, KBG04, Lan73a, MOR04, Nas90, SWMC95, SWC99b, vDHvdV00, vDHvdV01, CWL83, MS86, NN93, TC08, GL82]. **Concentration** [GVK20]. **concept** [Lán76]. **concepts** [Lán76]. **concerning** [DGN75, Lan58d]. **condensate** [CKLS05]. **Condition** [KW94b, MS03, FGP90, FGP91]. **conditions** [Lan26d, VV06]. **Condon** [SP99]. **conducted** [Ric77]. **conduction** [CLWE89, NO87]. **Conference** [ACM96, ACM97, ACM98, BCEP94, FJS84, ME96, Mil73, SM07, BDLS96, Ano95, Isa96]. **Conformal** [FM94]. **Conjugate** [Bas97, BM94b, BES98, CRZ94, Eij92, ESB84, FF94, GO89, Gre89, GS92, Gre94, Ng94, NOPR88, Wül05b, CW80, GO87, MS06, Meu06, PNOR87, PdH02]. **Conjugate-Gradient** [Gre89]. **Connecting** [WTV87]. **connection** [Lan33c, PdH02]. **Connections** [AMM94, Lew94, Sid94, AE98]. **conservation** [Lán29d, Lan30b, Lan05a, Lan29a]. **Conserved** [Hus94]. **Constituent** [Szc94]. **Constrained** [GGvM94, JZ08]. **constraints** [Edg03, GZZ99, GZZ00]. **Construction** [YR09, CrFS09]. **contemporary** [Lan59]. **Continuation** [BH95, BH96, CWS97, CR99, CKLS05, CC03]. **Continued** [WTVNF87]. **contracted** [WC04]. **contribution** [Lan21]. **Contributions** [Sta94, Rut53]. **Control** [AHB94, Bol94b, Bol94a, CS94b]. **controllability** [BG84, BG91b]. **convection** [Ode03]. **Convention** [ACM98]. **Converge** [Sco79]. **Convergence** [Jia95, Leh99, SS94, SWMC95, Wül05a, Fro09, Han97, Li10, Saa80b, Ye91]. **Convergent** [God01]. **coordinate** [Lan22b]. **core** [HS07]. **coreproblem** [HPS06]. **Corfu** [SM07]. **Cornelius** [Ano95, Bal75, Bir71, Bla76, Bri66, Bro66, BCEP94, Cou71, Gil62, Hou65, Isa96, Jam70, Mal65, Moo71, See65, Tei57, Wea01, Wre66, Ano94a, Ano94b, D+98, Dic67, Gel93, Gel94, Gel10, Hor77, Lax94, Lew51, Mar94, McC75, OR97b, OR97a, RBE+75, Rod76, Sca74, Tod58, Tod94, You75]. **Correspondence** [Wri66]. **Corresponding** [CD74b, GLO81, Dav75, SBPH73]. **cosa** [Lan67d]. **Cosmic** [Bri66, Bro66, Gar94, Rud94, Wre66, Hou65, Lan65a, Lan67a, Mal65, See65]. **Cosmological** [BGG+94]. **Cosmology** [Lan97b, Rin11, Lan24b, Rin09]. **County** [ACM98]. **Coupled** [AD94, BF01b, MO01]. **covariant** [Lan29c, Lan05c]. **CP** [Kep94]. **CR** [GT94]. **CRAY** [Sch96a, Sch96b, AHP97, GZA86, HE98]. **CRAY-T3D** [Sch96a, Sch96b]. **critical** [KL07]. **Cross** [GAVC07]. **Cross-Sections** [GAVC07]. **Crushing**

[Gru94]. **cryptosystems** [BF06]. **crystal** [BS05]. **CTAC** [ME96]. **Currents** [Hus94]. **Curvature** [AE98, Rud94, CHR02, DGN75, Lan62c]. **Curvature-free** [AE98]. **curve** [CGR99, CHR02, Lan52a, MS01]. **curves** [Kiz66, Lan38a, Wri66]. **Cyclic** [KBGE97, BJSR93].

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[CB87, CKW89, GLS94, Gro98, HN94, Jia95, Jia98, JP94, Leu90, RRB94, She99, FLL97, HL00, ISO86, JP93, Kal84, NR07, RR91, Sch82, vdV82]. **Generated** [KVOM94]. **generators** [DG04]. **Generic** [BP14, Rud94]. **Geographical** [FP94]. **Geometriai** [Lán76]. **geometric** [Lán76]. **Geometrical** [Jam70, Bir71, Lan70b]. **Geometrie** [Lan32a, Lan32c]. **Geometry** [AD94, BV94a, Bef94, HN94, Lew94, Ber97, Lan31c, Lan32c, Lan32a, Lan32e, Lan32f, Lan35a, Lan74d]. **Geophysics** [Now94]. **George** [S+62]. **German** [Kar78b, Lan23a, Lan25a, Lan21, Lan22a, Lan22b, Lan23b, Lan23d, Lan23c, Lan24a, Lan24b, Lan25e, Lan25f, Lan25c, Lan25b, Lan25g, Lan25d, Lan26b, Lan26a, Lan26c, Lan26d, Lan27a, Lan27b, Lan29a, Lan29c, Lan29b, Lan30e, Lan30b, Lan30c, Lan30d, Lan30a, Lan31b, Lan31a, Lan32c, Lan32a, Lan32d, Lan32b, Lan33b, Lan33a, Lan34a, Lan35a, Lan66e, Rei23, Rut53, Sch81]. **Germany** [BDLS96]. **Gesamtsitzung** [Tre66]. **geschossenen** [Lan25e]. **GF**} [Mon95]. **Ghosting** [YS98]. **Givens** [Wil57]. **Gleichung** [Lan29c, Lan29b, Lan33a]. **Gleichungen** [Lan34a]. **Global** [Gan94, LM94, BEJ+18, Lan62e]. **globale** [Lan62e]. **globales** [Lan61a]. **GMRES** [CLS24, GT94, Vui94]. **GMRES-like** [Vui94]. **GMRES/CR** [GT94]. **go** [KP76]. **Gödel** [ACLB07, BPP+11, Rin09, Rin11]. **golden** [Mar96]. **Golub** [CGO07, GORR16, HPS06]. **Gradient** [Bas97, BM94b, BES98, Eij92, ESB84, FF94, GO89, Gre89, GS92, Gre94, Ng94, NOPR88, Wül05b, YC94, CRZ94, CW80, GO87, MS06, Meu06, PNOR87]. **Gradient-Like** [FF94]. **gradients** [PdH02]. **graph** [CrFS09]. **gratings** [BS05]. **Gravitation** [Kar94, Lan75, Lan24b, Lan25f, Lan97b]. **Gravitational** [FP94, Lan23a, Wil94]. **Gravitationsgleichungen** [Tre66, Lan23a, Lan22b, Lan32d]. **Gravitationstheorie** [Tre66, Lan24a, Lan24b, Lan25f]. **Gravitons** [Hus94]. **Gravity** [Car94a, Kep94, Kie94, Kuc94, LM94, Thi94, Lan22b, Lan32d, Lan24a]. **Greece** [SM07]. **Grid** [BSPL96]. **große** [Sch81]. **group** [GS74]. **Guess** [Lan64b]. **guide** [LYS98]. **gyroscopic** [Bau86]. **Gyula** [Ban02, Ban02].

H [CGO07, Lan67c]. **Halberstam** [Lan67c]. **Hall** [Bel57, Tei57]. **Hamilton** [Lan67c, Lan67h, Lan67i]. **Hamiltonian** [BF97, Lan33c, Lan33b, Lan33a, Wat04]. **Hamiltonsche** [Lan33a]. **Hamiltonschen** [Lan33b]. **Hand** [ARMNW10, MB10, Saa87, GJS04]. **Handbook** [Hog07, OLBC10]. **Hankel** [BLL92, BQW09]. **Hanson** [CW67]. **Harmonic** [JN10]. **Harmonically** [WTVNF87]. **Hawaii** [Küc97]. **heat** [CLWE89, IC99, NO87]. **Heavy** [Car94b, Szc94]. **Heisenberg** [MC92, RS94]. **held** [GS74]. **Heliospheric** [KS94]. **Helium** [Dra94]. **Helmholtz** [WCL+93]. **Hermitian** [BCR03, BDY99, FF94, FGN93b, Fre94a, Fro09, Huh02, LG90, Mee01a, Pai10, WL96]. **Hessenberg** [Hou64a, Hou75, Hou06a]. **High** [ACM97, ACM98, CrFS09, KO94, Lan30d]. **highest** [SBPH73]. **Highly** [SWCM96]. **Hilbert** [Bir71, Jam70, Lan70b, Lán76]. **Hilbertig** [Lán76]. **Histories** [Hal94a]. **History** [GO89, Lan42b, Lan64b, Nas90, Ste93, GO87].

hohen [Lan30d, Lan30a, Lan31b]. **Hole** [And94, Bro94a, Tei94, Wal94]. **Holes** [GGS94, Man94]. **homogeneous** [GZZ99, GZZ00, Lan04]. **honor** [S+62]. **honour** [Sca74, SO72]. **Horizons** [BPP+11, BK94]. **Householder** [Fie01]. **Hungarian** [Ban02, Lán29d, Lán72d, Lán73d, Lán74f, Lán78b, Lax94, Mar96]. **Hungary** [Cse99]. **Hybrid** [LL94, CNO08]. **hydrogen** [Lan30a]. **Hyperpolarizabilities** [MO01].

ICCMSE [SM07]. **ICL** [ESB84]. **Ideal** [DW94]. **Ideas** [Jam70, Bir71, Lan70b]. **Identification** [XCK94]. **Identities** [Edg94]. **identity** [Ray78]. **IEEE** [ACM97, ACM98]. **ihre** [Lan30e]. **ihrer** [Tre66]. **II** [Cul94b, Gut94a, HHK75, Vac91]. **III** [Lan67c, MdM95, Ric77]. **Ill** [BGV94, CR02, GORR16, Han01, RH10]. **Ill-Posed** [BGV94, CR02, GORR16, Han01, RH10]. **illus** [Jam70]. **im** [Kar78b, Lan24b]. **Image** [Nag94]. **Imaginary** [LG90]. **Imaging** [GAVC07]. **Implementation** [AHP97, BTGV07, BF87, Day97, ESB84, GG96, GMG11, HE98, Leh95a, LO96, PNOJ85, SWC99b, Yan97, CW81, FGN93b, Leh95b, PS90, Rad96, SHS08]. **implementations** [Bah95]. **implemented** [KC91]. **Implicit** [Wri70, AA94, Fie01]. **Implicitly** [BCR03, BR05, BF97, BF00, BGV94, DB98, JN03, JN10, Leh95a, LS97, Leh99, Sor95b, Sor95a, Sor96a, Sor96b, CRS94, GSV96, KBG04, Leh95b, LYS98, Rad96, Wan01]. **Important** [BP14]. **Improved** [Yan97]. **Improvement** [Dan40]. **improvements** [DL42a, DL42b]. **inconsistent** [CRZ94]. **indefinite** [BEGG91, PC90]. **inertia** [AS01]. **inexact** [Sim03]. **infinitely** [Lan25f]. **Inflationary** [HKP08]. **Influences** [SWC99b]. **Information** [Hal94a, FJ05]. **Information-Theoretic** [Hal94a]. **Ingram** [Lan67c]. **Initial** [SS94, BS05]. **initial-value** [BS05]. **initialization** [BCA08]. **initio** [BCA08, TMC94]. **Inner** [FF94, GZZ99, GZZ00, Mee98, Mee01b, PC90]. **inner-outer** [GZZ99, GZZ00]. **Insights** [HL00]. **Inspiral** [Fin94]. **Inspired** [Lan64b]. **Institute** [F+00, Ort75b]. **Integer** [Opf94]. **integrability** [DG08]. **Integral** [fCL94, O'L01, Col87, Lan26c, Lan50, Lan51a, Lan51b, Lan55b, Lan62a, Sun99]. **Integralgleichungen** [Lan26c]. **Integration** [AMM94, Lan62e, Lan62e, RR99, Lan61a]. **Intensitätsanomalie** [Lan30c]. **Intensitätsschwächung** [Lan31b]. **intensity** [Lan30c, Lan31b]. **interaction** [LP10, RR99]. **Interactive** [HVB94]. **Interdependence** [Gan94]. **interdisciplinary** [F+00]. **Interior** [SSS96, JZ08]. **International** [ACM96, Ano95, BCEP94, Cse99, FJS84, GL82, GL84, GGMP88, KvSR90, Kau05, Küc97, SM07, Isa96]. **Interpolation** [Lan38b, Lan38a, LD39, Lan60b]. **interpretation** [CW80, Lan30e, Lan05b]. **Interscience** [Hou65, Mal65, See65]. **Interstellar** [KS94]. **Interval** [Boy95]. **Interval-Searching** [Boy95]. **intrinsic** [Gel10]. **Introduction** [Hig93, Hig96, Hig97, Lan52b, Lan64c, Lan68c]. **Introductory** [Lan68c]. **invariáns** [Lán29d]. **Invariant** [BKS08, Lán29d, PT94, Lan30b]. **invariante** [Lan30b]. **Inverse** [Bor00]. **Inverses** [Ber94d, RRB94]. **invert**

[HL06, Mee98, PS11, Ney09, Sim03]. **inverted** [Vos01]. **Investigation** [BGG+94]. **involution** [DG03b]. **ionic** [BS05]. **Ions** [KS94]. **IRA** [Wan01]. **IRBL** [BCR03]. **Ireland** [MW03]. **Irish** [Mil73]. **ISBN** [Wea01]. **Isotypic** [MOR04]. **ISSAC** [Kau05, Küc97]. **Italian** [Lan67d]. **Italy** [IEE95]. **Iteration** [Leh95a, MOR04, O'L01, Pai94, Arn51, Lam08, Lan50, Lan51a, Lan51b, Lan55b, Leh95b, Loh84, NOPT83a, Sch81, Sch82]. **Iterations** [BKS08, GVK20, SS94, Bag00, GZZ99, GZZ00, Lan52d]. **Iterationsverfahren** [Sch81]. **Iterative** [BS70, Ber94d, Eva74, Lan58a, Nag94, Und75, vdV94b, BD97, Dav75, FGN93a, Kar51, MSW87, Ret82, Sha70, SBPH73].

J [Ano95, Isa96]. **J.** [Isa96, SO72]. **Jacobi** [BP14, FSvdV98]. **Jahrestages** [Tre66]. **Janet** [DG03a]. **January** [GGMP88, IEE95]. **Jets** [MSY94, vP94]. **John** [F+00]. **joint** [F+00]. **Jose** [ACM97]. **Jövó** [Lán74f, Lán74e]. **jubilee** [Ban02]. **jubileumi** [Ban02]. **Judaism** [Lan70a]. **Jülich** [F+00]. **July** [Kau05, Küc97, ME96]. **June** [KvSR90]. **just** [Pea94].

Kahan [GORR16, HPS06]. **Kaluza** [Mad85]. **kanonischer** [Lan34a]. **Kennedy** [SSS94]. **Kentniss** [Rut53]. **kernels** [CB87]. **Kerr** [AE98, Ber97]. **kiadvány** [Ban02]. **kind** [Lán73d]. **Kinematics** [Lan25c]. **kinematischer** [Lan25c]. **Klein** [Mad85]. **komplexe** [Lan26a]. **Komzsik** [Bor04]. **Koordinatensystem** [Lan22b]. **Kornel** [Ban02, Rei23, Ban02, Mar93, Ban02, Rei23, Per06, Kar74, Tör74]. **Kosmologie** [Lan24b]. **kosmosa** [Lan67a]. **kovarianten** [Lan29c]. **Kron** [Seh86]. **Krylov** [Bol94b, CS94b, Cra01, Hou64a, Hou75, Hou06a, Lam08, Luz31, Pai94, Saa11a, Sid94]. **Krylov/Lanczos** [CS94b]. **Kurt** [BPP+11]. **Kutta** [Wri70].

L [SO72]. **Laboratory** [BR76]. **Lagrange** [AD94]. **Lagrangian** [Lan49a, Mad85]. **Laguerre** [But94]. **Lanczos** [Ano95, Bar63, Bel57, Bir71, Bla76, Bor04, BRS92a, Bro66, BCEP94, CKLS05, Cou71, Fil70, Goo70, GG71, Hig93, Hig96, Hig97, Hou64a, Hou75, Hou06a, Hou65, Isa96, Jam70, Lew51, LAW98, Mal65, Mee05, Moo71, Rei23, See65, SSS94, Smi63, Tei57, Tod58, VV06, Wea01, WCL+93, Wre66, Wri66, You75, Ban02, AA94, ARMNW10, ACLB07, AHB94, AHP97, ABFH00, AE98, AE00, Ano56, Ano94a, Ano94b, AS01, ACL89, ADRS92, ADRS95, AD94, Bag00, BCR03, BR05, BR06, Bah95, Bai94, BY98, BDY99, BF01a, BF01b, BJSR93, Bal75, BBG+87, MGRB11, Bas97, Bau86, BCA08, BKS08, BF97, BF98, BF00, BEJ+18, Ber97, BTGV07, Ber94a, Ber94b, Ber94c, BF06, BES98, Blo84, BG84, BG91a, BG91b, BEGG91, BBGL92, BLL92, Bol94a, Bor00, BS05]. **Lanczos** [BF87, Boy95, BH95, BH96, BSPL96, BRS91, BRS92b, BS93, Bre96, BRZ98, BZS99, Bre07, Bri66, BS56, BQW09, BV94b, BvB97, Bun97, But75, CRS94, CR99, CGR99, CHR02, CR02, CGL94, CG61, CDvdV91, CdvdV98, Che81, CG97, CrFS09, CS09, CWS97, CC03, CNO08, CPRZV23, ÇHM00,

CGP76, CB87, Col76, Col87, Coo94b, CSW01, CSW02, Cop93, CLWE89, CS94b, Cra01, CD74a, CD74b, CW80, CW81, CWL83, CW84, CW85c, CW85a, CW85b, CKW89, Cul94a, Cul94b, Cul94c, Cul96, CW02, CZ02, Cyb87, DFS92, DGN75, D$^+$98, Day97, DB98, Den06, Dic67, DK94, DT94, DM98, DG03a, DG03b, DG04, DG08, DGK98, DBK05, Dru08, EK97, Eck26, Edg94, Edg03, ELT79, Eij92, ER82, ESB84, FG02, Fas00, FGP90, FGP91, Fie01, FJ05, Fis00, FGN93b]. **Lanczos**
[FGN93a, Fre94b, Fre94a, FN96, FF87, FW99b, FW99a, Fro09, GGV96, GV99, GP94a, GVBV06, GVK20, GG96, GORR16, Gel93, Gel94, Gel10, Ger03, God01, GAVC07, GUW72, Gol73, GLO81, GO87, GO89, GZZ99, GZZ00, GLRT99, GM97, Grc81, Gre89, GS92, GT94, Gre94, Gre58, GS87, GLS94, GSV96, Gro98, GMG11, GH94, GP94b, GP95, GJS04, GW98, GZA86, GL88, GLA92, Gut92, Gut94a, Gut94b, GR00, Gut00, HN94, Han97, Han01, HW84, HL83, HRT08, HL06, HL00, HPS06, HS07, Hon01, HE98, Hor77, HE05, Huc95, Huh02, ITS10, Ill05, IC99, ISO86, JY93, Jia95, Jia98, JN03, JZ08, JN10, JHZ$^+$09, JP93, Jou92, KP74, KP76, Kal84, KBGE97, Khe91, KC88, KC90, KC91, KL99, KJKL03, Kiz66, KDLK94, Kni10, KBG04, Kom03].
Lanczos
[KV93, KL07, KWPP89, KW92, KW94b, Kui00, Lam08, LY93, LG90, Lax94, Leu90, LO96, LW98, LWA98, LWA99, Li10, LP10, Loh84, Lyn74, Mad85, Mai93, MS03, MT94, MT95, Mar94, MOR04, McC75, MC92, Mee98, Mee01a, Mee01b, MB10, MS06, Meu06, MSW87, Mon95, Mor09, MS93, MS01, MF86, MO01, MCSW96, MCSW97, NR07, Nas84, Nex89, Ney09, Ng00, NOPT83a, NOPT83b, NOC84, NOC85, NO87, NOPR88, NO89, NOR89, Ode02, OIO03, Ode03, Oja85, Ort75b, OR97b, OR97a, Pai69, Pai70, Pai72, Pai76, Pai80, PV99, Pai10, Pai19, PS11, PS90, Pap90, PS79, Par80, PT81, PR81, PSS82, Par82, PTL84, PNOJ85, PTL85, PNOR87, Par87, PNOL88, PNO89, PC90, Par90, Par92, Par94, Pay87, PM08, PdH02, Pin94, PPS18, Pug04, RN82].
Lanczos
[RR91, RA93, RR99, Ray78, Rei23, RG98, RH10, Rin09, Rin11, Rod76, RG02, RLAS97, Rut53, Saa80a, Saa80b, Saa82, Saa87, Saa94a, Saa94b, SP99, Sca74, SHS08, Sch96a, Sch96b, Sch60, Sco79, Seh86, She99, Sim84a, Sim84b, SZ00, Sim98, Sim03, ŠT22, SSS96, SH83, SSS93, Son89, Sor95b, Sor95a, Sor96a, Sta94, Ste91, Ste94, Ste02, Sun99, SWMC95, SWCM96, SWC97, SWC99a, SWC99b, Tau75, Tau94, Tei98, Tem10, Tod94, Ton92, Tor95, TC08, TLP08, TCI$^+$00, Und75, Van02, VVBG07, Vos00, Vos01, WZ94, WC04, WTVNF87, WTV87, Wat04, WL96, Wil57, Wil58, WB99, Wra66, Wri70, WCS98, WS98, WCSW99, WS00, Wül05a, Wül05b, XCK94, XK94, Yam68, YBS$^+$10, Yan97, Ye91, Ye94, Ye96, YC99, YS98, YR09, ZJ23, ZT07, vDHvdV00, vDHvdV01, vdEH05].
Lanczos
[vdVV95, vdV82, Ban02, Mar93, Per06, RBE$^+$75, ER87, FLL97, Kar74, Tör74].
Lanczos-based [SSS94, Ber94b, Ber94c, CR02, CG97, BTGV07, CGL94, FGN93a, GMG11, SSS93]. **Lanczos-hybrid** [CNO08]. **Lanczos-like** [KC91]. **Lanczos-Subspace** [Leu90]. **Lanczos-Type** [Gut00, BRZ98, JHZ$^+$09,

Fre94a, GR00, Pin94, RG98, Saa94a, Saa94b, Van02, ABFH00, BS93, BZS99, Bre07, CdvdV98, CWS97, CPRZV23, FG02, JY93, Kal84, RG02, Son89]. **Lanczosc** [Gil62]. **LANGMRES** [YC94]. **Large** [Arb16, BCR03, BKS08, Bor00, CD74b, CW85c, CW85a, Cul94a, Cul94b, Cul94c, ESB84, Fel74, Gal94, GGvM94, GZZ99, GZZ00, GZA86, Jia95, JN10, Lan58a, Nes65, PR81, Saa11b, Sor95b, TC94, Und75, WZ94, WS00, YC94, ZS07, CRS94, CR99, CW81, CWL83, CW84, CW85b, CW02, Dav75, ELT79, JK94, Jia98, KL99, Lan53, LYS98, Mai93, Oja85, Pai71, PTL84, Rad96, Ret82, Saa80a, Saa82, Saa92, Sch81, Sch82, Sha70, SBPH73, Sor95a, Sor96a, Wan01, ZJ23, ZT07]. **large-dimension** [ZJ23]. **Large-Scale** [BCR03, Lan58a, GZA86, Lan53, LYS98, Rad96]. **Largest** [CD74b, KW92, PSS82, LW98]. **Laser** [GW98]. **Laser-Driven** [GW98]. **lattice** [F$^+$00, Hon01, Lan66b]. **laws** [Lan29a, Lán29d, Lan30b, Lan05a]. **Leading** [AD94]. **Learn** [Tre94]. **Least** [Bjö94, BES98]. **Lecture** [Arb16]. **lectures** [Lan65a, Lan67a]. **Legend** [But75]. **Legendre** [BP14, Lan73c, Ode02]. **lektsii** [Lan67a]. **Leverrier** [Hou64a, Hou75, Hou06a]. **life** [Ano94a, Ban02, Gel10, Wea01]. **Lightcone** [Ji94]. **LIGO** [Fin94]. **Like** [FF94, Vui94, KC91]. **limit** [Pap90, WB99]. **Linear** [ARMNW10, AHB94, BES98, Bol94b, FW99b, FW99a, Gil62, HVB94, Hog07, Hus94, Jou92, KV93, Lan58a, Lan58b, Lan61c, Lan64d, Lan78a, Lan96, Lan97a, MB10, O'L01, SS94, SFvdV94, Smi63, Ton92, YC94, vdV94b, AA94, Bag00, BRS92b, BS93, BRZ98, BZS99, CRZ94, CDvdV91, CdvdV98, CC03, Cop93, FGN93a, GZZ99, GZZ00, GM97, GJS04, IC99, JY93, JHZ$^+$09, Lan34a, Lan34b, Lan35b, Lan36a, Lan36b, Lan50, Lan51a, Lan51b, Lan52d, Lan53, Lan55b, Mai93, MS01, PS90, Par80, Son89, Ste91, Ste94, Bar63]. **linearer** [Lan34a]. **Linearization** [FM94]. **lines** [Lan30c, Lan31b]. **Linien** [Lan30c]. **Liouville** [MGRB11, Man94]. **liquids** [Dan40, DL42a, DL42b]. **Local** [FP94, Gan94, HHK72, Wal94, DGN75, HHK75]. **locales** [Lan61a]. **Localization** [Rim94]. **Location** [GVK20]. **London** [Bar63, Bir71, Bla76, Cou71, GG71, Lan67c, Smi63]. **Look** [Fre94b, GR00, BZS99, FGN93b, GM97, Par80, PT81, PTL84, PTL85]. **Look-Ahead** [Fre94b, GR00, BZS99, FGN93b, PT81, PTL85]. **look-around** [GM97]. **Loop** [Smo94]. **Loops** [MSY94]. **Lösungen** [Lan32d]. **Louis** [Bor04]. **Low** [Huc95, SZ00]. **Low-Rank** [SZ00, Huc95]. **Löwdin** [HL83]. **Lowest** [BS70, Dav75, SBPH73]. **L'univers** [Lan71]. **lxv** [Ano95]. **Lyapunov** [AS01].

M [Ano95]. **Mach** [Rin09, Rin11]. **Machine** [MCSW96, BDLS96]. **Madison** [Ric77]. **magnetic** [Hon01, SHS08]. **Magnetically** [vP94]. **Magnetohydrodynamics** [BS94, DW94, MSY94]. **Magnetopause** [LL94]. **Magnetosheath** [KVOM94]. **Magnetotail** [Gan94]. **maintain** [PNOL88]. **maintaining** [Par92]. **Make** [Sco79]. **malignant** [Kni10]. **Manifolds** [Bef94]. **many** [WB99]. **many-body** [WB99]. **March** [Ric77]. **Martians** [Mar96]. **Mass** [Flo94, Lan41b]. **Mass-Energy** [Flo94]. **Massively** [Yan97].

master [FF87]. **material** [Kry31b]. **Materie** [Lan24a]. **Math.** [Hig93, Hig96, Hig97]. **Mathematical** [CD69, Lan67c, Lew51, OLBC10, Tor94, Den06, S+62, Ric77]. **Mathematics** [BPP+11, Lan42b, Lan67g, Ric77, Abb78, Lan71, Lax94, Rod76]. **mathématique** [Kry31a]. **mathématiques** [Lan71]. **Matlab** [Rad96]. **MatMan** [HVB94]. **Matrices** [Bas97, CG61, CD74b, Dav93, ESB84, Fel74, Fre94b, GG96, Gre58, Hou64b, Hou64c, Hou06b, Huh02, JN10, KP74, Nes65, Opf94, RRB94, Wil57, vDHvdV01, BQW09, CW81, CWL83, CW84, Dav75, ELT79, FG02, FGN93b, Fro09, Lan26a, MS86, Pai71, PT81, Par84, PTL85, Ret82, Sha70, SBPH73, Vos00, vDHvdV00]. **Matrix** [BS70, BLL92, Bor00, BV94b, BR76, CGO07, Cul94a, Cul94b, Cul94c, DGK98, Eij92, Eva74, FSvdV98, GLO81, GV83, GV89, GV13, GT94, Jen77, LY93, LG90, LP10, MT95, Ng00, Pai76, Pai10, Sid94, SZ00, Tem10, vdEH05, Arn51, BEJ+18, BF06, BS56, ÇHM00, Cul96, Dru08, ER87, Fro09, HKP08, Hou64a, Hou75, Hou06a, ITS10, Kar51, KV93, Mor09, Nex89, PS11, RLHK51, Sim98, TC08, TLP08, ZT07]. **Matrix-Padé** [LP10]. **Matrizen** [Lan26a]. **Matter** [Lan24a, Lan42c]. **matters** [Kry31b]. **Maui** [Küc97]. **maximal** [Khe91]. **Maxwell** [Lan04]. **Maxwellian** [Lan21]. **Maxwellsche** [Lan21]. **May** [ACM96]. **means** [Fis00]. **Measurement** [Rim94]. **Measurements** [Lid01]. **Mechanical** [Hal94a, Lan25c, Lan30e, Lan05b]. **Mechanics** [Hal94b, Lan26b, Lan49b, GS74, Lan26a, Lan26d, Lan33c, Lan33a, Lan62f, Lan64h, Lan65b, Lan66f, Lan70d, Lan77, Lan86, Lew51]. **mechaniki** [Lan65b]. **meckanischer** [Lan25c]. **media** [KDLK94, LWA99]. **megmaradási** [Lán29d]. **Melbourne** [ME96]. **memoriam** [Hor77]. **Memory** [Bas97, GP94b, JP94, MCSW96, Yan97, CW67, CSW01, GP95, JP93, RBE+75, Rod76]. **Mercury** [Lan23b]. **Mergers** [Pir94]. **Merkurperihelverschiebung** [Lan23b]. **Meson** [Car94b, Szc94]. **Method** [AHP97, BCR03, BDY99, BF97, BF00, BM94b, Ber94a, BBGL92, Bor04, BF87, Boy95, BH95, BH96, BSPL96, CGP76, GG96, GLO81, GLRT99, Gre58, GZA86, Huh02, JN03, JN10, KBGE97, Kui00, Lan25b, Leh99, Leu90, LO96, MT94, MT95, MB10, MO01, MCSW96, MCSW97, O'L01, Ort69, Saa87, SSS96, Und75, WCL+93, Wil58, WCS98, WS98, WCSW99, WS00, Wül05a, Wül05b, YBS+10, YC94, vDHvdV01, ABFH00, Ano56, ADRS92, ADRS95, Bah95, BF01a, BJSR93, BBG+87, BF98, BEJ+18, BD97, BS05, BS56, CRS94, CR99, CGL94, CKLS05, Che81, CNO08, Col76, Col87, Cri86, Den06, ELT79, Fas00, Grc81, GSV96, GJS04, Han97, Haz02, HL06, IC99, ISO86, JHZ+09, Kar51, KL99, Kiz66, KDLK94, Kom03, KL07, KWPP89, Lan35b, Lan36a, Lan36b, Lan38a, Lan50, Lan51a, Lan51b]. **method** [Lan55b, Lan68a, LWA98, LAW98, LWA99, Li10, LP99, Loh84, Luz31, Mai93, MC92, Mee98, Mee01a, Mee01b, Mee05, MS86, MS01, NR07, Nas84, NOPT83b, NOC85, NO87, NO89, NOR89, Ode02, OIO03, Ode03, Ort75a, Pai72, PS11, PS90, Pap90, Ret82, RG02, RLAS97, SHS08, Seh86, Sim03, Tei98, Vos00, Vos01, WZ94, Wan01, Wri66, ZB95, Zha95, Zha96, vDHvdV00, Bun97, EDO94, NO93, Ort94b, Ort94c, Rad96, Rap94]. **Methode**

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[Lan35a]. **Neumann** [F+00]. **Neutron** [Pir94]. **Newton** [Nas84, NOPT83b, Pap90]. **Newton-type** [Nas84]. **NIST** [Lid01, OLBC10]. **NJ** [Bel57, Tei57]. **NN** [CrFS09]. **no** [BRS92a, CW81, Lew51, SP99]. **Noether** [Lan73b]. **Noisy** [Lan64a, Lan52c]. **nombres** [Lan71]. **Non** [BDY99, BS70, Fre94a, Hus94, IC99, AA94, BG91a, DGN75, FGN93b, KL99, Lan35b, Ret82]. **Non-Hermitian** [BDY99, Fre94a, FGN93b]. **Non-Linear** [Hus94, IC99, AA94]. **non-local** [DGN75]. **non-oscillating** [Lan35b]. **non-proportional** [KL99]. **Non-Symmetric** [BS70, BG91a, Ret82]. **Nonadiabatic** [SP99]. **Nonlinear** [Boy95, RLAS97, JZ08, NOPT83b]. **Nonorthogonal** [DGK98]. **Nonsymmetric** [AHB94, BEGG91, CKW89, Cul94b, Cul94c, CZ02, Day97, Fre94b, Jou92, SFvdV94, Ton92, YC94, Bai94, BG91b, BRZ98, CDvdV91, CdvdV98, CW84, Cul96, FLL97, FGN93a, JY93, JHZ+09, Son89, Ye91, Ye94]. **Normal** [CGP76, Huh02, MT94, Min56]. **normalization** [Hou64a, Hou75, Hou06a]. **North** [BCEP94, Wea01]. **Norwood** [CW67]. **Nostrand** [Bar63, Smi63]. **Note** [Dav75, Fer94, God01, Zha96]. **Notes** [Arb16, She99]. **novel** [FLL97]. **November** [ACM97, ACM98, Tre66]. **nullspace** [Sim03]. **nullspace-free** [Sim03]. **Number** [KW94b, Opf94, Riv90]. **Numbers** [Fil70, Goo70, Lan68b, Moo71, Lan71, MS03, Lán72d]. **Numer** [BRS92a]. **Numerical** [BGG+94, But94, Cal94, DW94, Fis00, GB94, Hou64b, Hou64c, Hou06b, MC92, MO01, Ort94c, Saa92, Saa11b, SW94, Tre94, TCI+00, CH90, Gol73, Kry31b, Mil73, Sca74, Wra66, F+00]. **Numerics** [Cse99]. **numérique** [Sad89].

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p [Goo70]. **PA** [Ano95]. **package** [ER82]. **Padé** [BY98, BF01a, Gut94b, KW94a, LP10, Sun99, TLP08]. **Padé-via-Lanczos** [BF01a, TLP08]. **pages** [Bir71, GG71, Moo71]. **Pair** [GGS94]. **Papers** [Cse99, Lan67c, Abb78, Ano94b, D+98, OR97b, OR97a, Sca74, SO72, Wea01].

Parallel [AHP97, BTGV07, BDLS96, BF87, FJS84, GG96, GP94b, IEE95, MCSW97, Sch96a, Sch96b, SGN94, SWMC95, SWCM96, SWC97, SWC99b, VVBG07, BF06, GP95, HRT08, KC91, RLAS97, NN93]. **Parameter** [FP94]. **Parameterized** [MB10]. **Parameters** [WTV87]. **Paris** [GGMP88]. **Part** [Lan42b, Cul94a, Cul94b, Gut92, Gut94a, Ort75a]. **Partial** [GGMP88, JN03, MCSW96, MCSW97, Wel94, BF01a, GP94a, Sim84b, ZT07, vdVV95]. **Particle** [CS94a, Lan41a, Lan41b]. **partitioning** [BF06, HL83]. **parts** [DGN75]. **passion** [MW03]. **Past** [Ort94c]. **path** [JZ08, Lan72a]. **Pauli** [FF87]. **Pencils** [FSvdV98, LY93, ER87]. **Pennsylvania** [ACM96]. **Performance** [ACM97, ACM98, KWPP89]. **perihelion** [Lan23b]. **Periodic** [Lan25d]. **periodische** [Lan25d]. **Perspective** [Lan64e, Lan63b]. **Perspektiven** [Tre66]. **Perturbation** [SBS94, MGRB11, Cri86, NO93]. **Perturbative** [Car94b]. **Perturbed** [Gre89]. **phase** [KDLK94, GMG11]. **phenomenon** [CW80, Lax94]. **Philadelphia** [ACM96, Ano95]. **philosophical** [Lan37]. **philosophy** [CW67]. **photographic** [Ano94a]. **Photoionization** [GAVC07]. **physical** [Lan32b, Lan67f]. **Physicists** [MW03]. **Physics** [FKS94, Gan94, GO94, Lan64b, Lan64e, Lan59, Lan63b]. **physikalischen** [Lan32b]. **physique** [Kry31a]. **Pick** [KS94]. **Pick-up** [KS94]. **Piecewise** [Ort75a]. **Plasma** [Dun94]. **Plasmas** [SW94]. **Plemmons** [Ano95, Isa96]. **PLS** [PdH02]. **point** [Kiz66, Wri66]. **points** [Pap90]. **Poisson** [Bef94, Fer94, Lan72c]. **poles** [Mee01a]. **Pólya** [S$^+$62]. **Polyenes** [KBGE97]. **Polynomial** [BKS08, Boy95, Col87, LW98, Ort75a]. **Polynomials** [BP14, BV94b, But94, Hig93, Hig96, Hig97, Ort94a, Pai94, Riv74, Riv90, Ano52, BEGG91, Bun97, Cyb87, Lan53, Lan73c]. **Ponts** [GGMP88]. **porous** [KDLK94, LWA99]. **Portrait** [MT94, MT95]. **porzadek** [Lan67b]. **Posed** [BGV94, CR02, GORR16, Han01, RH10]. **position** [Lan32b]. **Positive** [FF94, Ng00, CKLS05, Lan64g, PS11]. **posteriori** [OIO03]. **Potential** [DK94, ACLB07, ACL89, Ber97, DM98, Ill05, Lan32c, Lan72b, Lan74a, Sun99, Tor95]. **potentials** [AE98]. **pour** [Lan61a]. **Power** [KW92, Wan01]. **pp** [Bro66, Cou71, Fil70, Fra94, Jam70, Lan67c, Smi63, Tei57, Wre66, Ano95, Bar63, Hou65, Lew51, Mal65, See65]. **Practical** [Pai70, Dan40, DL42a, DL42b, Lan52a, Lan61d]. **Practice** [LG94]. **Prakticeskije** [Lan61d]. **pre** [GV99]. **pre-filtered** [GV99]. **Precision** [GS92, Gre94, Lan64f, KO94, MW03, MS06, Meu06]. **Preconditioned** [Ng00, Ton92, Ney09, RLAS97]. **Preconditioner** [BM94b, RH10]. **Preconditioners** [fCL94, Nag94, Vui94]. **Preconditioning** [MS93, NOPR88, vdEH05, PNOR87]. **Predicting** [GS92]. **Preface** [OR97a, OR97b]. **Prentice** [Bel57, Tei57]. **Prentice-Hall** [Bel57, Tei57]. **Presentations** [Bri66]. **presented** [Cse99]. **Preserving** [LG94]. **Press** [Bir71, Bla76, Cou71, Jam70, Lan67c, Lew51]. **prikladnogo** [Lan61d]. **Princeton** [Bar63]. **Principal** [XK94]. **Principle** [Kar94, Lan27a, RS94, Arn51, Lan25a, Lan25g, Lan26d, Lan69a, Hal94a]. **Principles** [Lan49b, Wal94, Lan62f, Lan64h, Lan65b, Lan66f, Lan69b, Lan70d, Lan74d, Lan77, Lan86, Lew51]. **principy** [Lan65b]. **prize** [Abb78].

prize-winning [Abb78]. **Probabilistic** [KW94b, vDHvdV01, vDHvdV00]. **Problem** [BF97, BF00, BTGV07, Boy95, Dra94, Eck26, GUW72, Ise94, Kep94, Kie94, Kuc94, Lan25e, Lan25f, Lan25d, O'L01, Rei23, Sid94, Wil65, Arn51, Bai94, BF98, BD97, Fas00, Ger03, Grc81, Kal84, Lan23d, Lan32d, Lan50, Lan51a, Lan51b, Lan55b, Lan66b, Mee01a, NR07, RR91, Sim03, Wra66]. **problèmes** [Kry31a, Lan61a]. **Problems** [AHB94, Arb16, BDY99, BES98, CR02, CWS97, Cul94a, Cul94b, Cul94c, Fre94a, Gal94, GGvM94, GT94, Lan25d, Lan66a, Saa11b, TC94, Tor94, WS98, WS00, BS05, CRS94, CR99, CGL94, Che81, CC03, CW85b, Cul96, DG03a, FLL97, Fis00, GORR16, GZZ99, GZZ00, Han01, HKP08, HS07, Khe91, Lan60a, Lan68a, LYS98, LAW98, MS93, NOPT83a, Ode02, Oja85, PS90, Rad96, RH10, Saa92, Sch81, Sch82, ZJ23, ZT07, Ano55]. **Procedure** [BS70, CKW89, CPRZV23, CW84, GLA92]. **Procedures** [GR00, CW85b]. **Proceedings** [ACM97, ACM98, Ano95, BR76, CW67, FJS84, GS74, GL84, GGMP88, IEE95, Isa96, Kau05, Mil73, Ric77, SM07, ACM96, BDLS96, GL82, Küc97, ME96, Ano55, BCEP94, KvSR90]. **Process** [BF01b, Fre94b, FW99b, FW99a, Gut92, Gut94a, Pai70, Pai10, Pai19, SZ00, Yan97, BY98, GZZ99, GZZ00, Gut94b, JK94, KP76, LWA98, Loh84, Pai69]. **Processes** [Pai94, Wil57, Ney09, Wat04]. **Processing** [Bol94a, IEE95, Ng94, Ple94, Vac91, XCK94, MdM95, NN93]. **Prochitannykh** [Lan67a]. **Produced** [Wil57]. **Product** [FF94, GR00, RG98, Mee01b, PC90, RG02]. **Product-Free** [FF94]. **Production** [GGS94]. **products** [Mee98]. **program** [PNO89]. **Programs** [CW85a]. **Progress** [PR81]. **Projection** [Bre97, YBS$^+$10, Saa80a, Saa82]. **Projections** [MOR04]. **Projective** [WL96]. **Prologue** [Lan42b]. **Prolongation** [Ger03]. **Proof** [Sch60]. **proofs** [PdH02]. **Propagation** [GW98, Lan64g]. **Proper** [Hou64a, Hou75, Hou06a, Oja85]. **Properties** [Eij92, Man94, PQ94, Wri70, Lan62c, PdH02]. **property** [Lan31c, Lan32a, Lan32f, Lan38c]. **proportional** [KL99]. **pseudo** [IC99]. **pseudo-force** [IC99]. **Pseudospectra** [BH95, BH96, GAVC07]. **pseudospectral** [BS05]. **Public** [Ber94c]. **Public-Domain** [Ber94c]. **publication** [Ban02]. **Publications** [Bel57, Bri66, Lid01]. **Published** [Ano94b, D$^+$98, Wea01]. **Publishers** [Hou65, Mal65, See65]. **Pure** [LG90]. **Püthagorasztól** [Lán76]. **Putting** [Pea94]. **PVM** [BDLS96, Sch96a, Sch96b]. **Pythagoras** [Bir71, Jam70, Lan70b, Lán76].

QCD [Car94b]. **QMR** [FN96, RG98]. **QR** [FSvdV98]. **Quadratic** [GGvM94, Lan69a, Lan72b]. **quadrature** [KW94a, Kni10, PPS18]. **Qualitative** [Eij92]. **Quantenbedingung** [Lan26d]. **Quantenmechanik** [Lan26b, Lan26d]. **quantenmechanischen** [Lan26a]. **quantentheoretische** [Lan25c]. **Quantities** [WTV87]. **Quantization** [Smo94, Thi94]. **Quantum** [Car94a, GW98, Hal94b, Hal94a, Har94, Kuc94, Lan26b, LGGT93, Man94, Rim94, F$^+$00, Lan26a, Lan26d, SW72, Lan25c]. **Quantum-Mechanical**

[Hal94a]. **Quantum-theoretical** [Lan25c]. **Quantummechanical** [Kar94]. **Quark** [Szc94]. **Quasiclassical** [Har94]. **Quasispherical** [KCGR94]. **quatre** [Lan62b]. **Quelques** [Lan68c]. **Questions** [CS94a]. **Quotient** [Ste02, Sch82]. **QZ** [FSvdV98].

R [Ano95, Lan67c]. **Radiation** [Lan25e, Lan25d, Wil94]. **radionuclide** [LWA99]. **Raleigh** [BCEP94]. **Random** [KW92, LG75, LW98, GMG11]. **Random-Phase** [GMG11]. **randomized** [EK97]. **Rank** [SZ00, Huc95]. **Rates** [SS94, Han97, Li10, Saa80b]. **Rational** [GV99, Mor09, Sid94, GGV96, Lan36a, Mee01a]. **Rationalism** [Lan67f]. **Raum** [Lan66e]. **räumlich** [Lan25e]. **Ray** [Pir94, Dan40, LD39, WTVNF87, DL42a, DL42b]. **Rayleigh** [LY93, Sch82, Ste02]. **Rayleigh-quotient** [Sch82]. **Re** [Pai70]. **Re-Orthogonalization** [Pai70]. **Real** [BS70, Cul94a, BS56, CW85b, Dav75, Ret82, RLHK51, TC08]. **real-symmetric** [Dav75]. **Realization** [KvSR90]. **really** [Lan67d]. **reanalysis** [CGL94]. **recurrence** [Kni10]. **Recurrences** [BF01b, Gre89, GR00, RG98]. **recursion** [HW84, Lan36b]. **recursions** [DBK05]. **recursive** [CrFS09, FGP90, FGP91]. **red** [Lan23c]. **reduced** [BF01a]. **reduced-order** [BF01a]. **Reduction** [Bol94b, CS94b, FM94, FSvdV98, Che81, CS09, GGV96, GORR16, GSV96, Hou64a, Hou75, Hou06a, JK94, LWA98, Ode02, OIO03, Ode03, PV99, LAW98]. **Reference** [Bro94b]. **Refined** [JN03, JN10, TC08]. **Region** [GLRT99]. **regular** [FG02, Lan32d]. **regulären** [Lan32d]. **regularization** [CNO08, Han01]. **regularizing** [MS01]. **Reinterpretation** [Lan25c]. **Related** [Gut92, Gut94a, Mor09, S$^+$62]. **Relations** [Lan25c, AE00, DG04, Lan04]. **Relationship** [AD94, Sta94]. **Relationships** [BP14, Wri70, Lan21, Lan29b, Lan05d]. **Relativistic** [vP94]. **relativistischen** [Tre66]. **relativitási** [Lán29d]. **Relativitäts** [Lan21]. **Relativitätstheorie** [Lan23d, Lan32b, Lan25a, Lan25g, Lan27a, Lan27b, Lan30b, Rei23]. **relativité** [Lan58c]. **Relativity** [Ano62, DG08, Lan21, Lan69a, Per06, SO72, Flo94, Ise94, Lan25a, Lan23d, Lan25g, Lan27a, Lan27b, Lán29d, Lan30b, Lan32b, Lan37, Lan41a, Lan41b, Lan42a, Lan55a, Lan57, Lan58c, Lan72a, Sta94, Rei23]. **Relaxation** [Coo48]. **Reliable** [CH90, Cse99, Fie01, HE05]. **Remark** [Lan22a, Lan23b, Rei23]. **Remarkable** [Rin11, Lan38c, Rin09]. **Remarks** [Lan58d, Lan68c]. **remarques** [Lan68c]. **Reminiscences** [Tod94]. **Remo** [IEE95]. **Removed** [Kli94]. **Reorthogonalization** [Ber94a, Sim84a, CW81, MS03, Sim84b, ZT07]. **Replace** [GH94]. **Representation** [Lan26b, Lan29a, Lan38a, Lan05a, Lyn74]. **Research** [Ort94c, Ric77]. **Resolution** [Ber94d, ZT07]. **resolvents** [Nex89]. **Resonant** [FP94, WTVNF87]. **Restart** [WS98, WCSW99, WS00, YBS$^+$10]. **Restarted** [ARMNW10, BCR03, BR05, BR06, BF97, BF00, BGV94, CSW02, JN03,

JN10, Leh95a, Leh99, Rad96, Sor95b, Sor96b, SWCM96, Wan01, AA94, Bag00, CRS94, GSV96, HRT08, ITS10, KBG04, Leh95b, LS97, LYS98, Sor95a, Sor96a, SWC99a]. **Restarting** [SWC99b, DB98, NR07]. **Restoration** [Nag94]. **Result** [Pai10]. **Results** [Gre58, Tor94]. **retrieval** [FJ05]. **Review** [Ano95, Bal75, Bar63, Bir71, Bla76, Bor04, Bro66, Cou71, Fil70, Gil62, Goo70, GG71, Hou65, Jam70, Lan67c, Lew51, Mal65, Moo71, See65, Smi63, Tei57, Tod58, Wea01, Wre66, Mee05]. **Reviews** [Dic67, Isa96]. **revisited** [PM08]. **rewards** [Par92]. **Richardson** [Grc81]. **Riemann** [DGN75, DG03a, DG08, Edg03, Ger03, Lan32a, Lan38c, Lan62c, Lan62d, Lan62b, Tau75]. **Riemannian** [AD94, FJ05, Lan31c, Lan32c, Lan32e, Lan32f, Lan49a, Lan63a, Lan64g, Lan74a, Lan75]. **Riemannschen** [Lan32c, Lan32a]. **Right** [ARMNW10, MB10, Saa87, GJS04]. **Right-Hand** [ARMNW10, MB10, Saa87, GJS04]. **Riquier** [DG03a]. **Ritz** [LY93, VV06, Wül05a]. **RME** [GVBV06, VVBG07]. **Robert** [Isa96]. **Robust** [BTGV07, SWC97, HRT08]. **Rockwell** [GZA86]. **role** [Lan59]. **Root** [Bor00, Mor09]. **Roots** [Tei94, BS56, Mar94]. **Rotation** [Rei23, Lan23d]. **rotations** [ER87]. **Rotationsproblem** [Lan23d, Rei23]. **Rotverschiebung** [Lan23c]. **Routines** [Sch96a, Sch96b]. **Rowan** [Lan67h, Lan67i]. **Rowna** [Lan67c]. **Royal** [Mil73]. **rugged** [Lan38a]. **rukovodstvo** [Lan61d]. **Runge** [Wri70]. **Russell** [CW67]. **Russian** [Lan61d, Lan65b, Lan67a].

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