A Complete Bibliography of Publications in *Linear Algebra and its Applications*: 2000–2009

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Title word cross-reference

$(0, 1)$ [BBD+08, BD07, KTR08, SS06b, Živ06, LB04, RS03a, Sbu05, WJL02]. $(2, 2)$ [LA05]. $(2r - 1)$ [ML02]. $(A + tB)^m$ [JLMC05]. (A, B) [PP02, OdAJ02]. (C, A) [CP07b]. (m, k) [WGL09]. $(n - 5)$ [BS01]. (p, k) [TUC04]. (± 1) [CHKS05]. $(q - 1)^{13}$ [VLAOVL08]. (R, S) [Tre04e]. $(R_1, R_2, , R_N)$ [DV04]. $(SL_5 \times GL_4, \Lambda^2(C^5) \otimes C^4)$ [AFK02]. (w) [AGP08]. $*$ [MT04, ZX05a]. $+$ [vdW01]. $\{-1, 0, 1\}$ [AAGK06]. -2 [BS04a, Cve02, SS08a]. 0 [FJ03, MW03b]. $\{0, 1\}$ [BX05]. $0, \pm 1$ [Kar07]. 1 [CGH04, HC03b, JS07a, MW03b, Sta07, Ste03b]. 2 [AY03, Arp05, Aud09b, BFPW02, CN02b, CLY08, DoMP09, Eld02b, FVP06, FK07, KSH05, MQ03, Omi08a, RM01, SG08, SMS09, XL04, Zha04c, ZFW06, vdH08a]. $2 + 5$ [GOTR07]. $2n$ [DHH+07]. $2n - 2$ [Bir04]. 2×2 [BV02, BM05, Cho04, CI08, Dom00, Dru02, ES02, KN04, KZ03, LS07a, LSD06, LW07, OS01, Wat06]. $2 \times N$ [Aud08]. $2 \times q$ [Val02b]. 3 [pBhSzZ09, CN09, LRWW07, NBdP08b, PBR06, SLP01, Siv09, SMS09, TBK09, Yag01]. 322 [WHAB08]. 3×3 [BdPT08, BC00, Cal08, Hil07a, Mat04, MS04d, NBdP05, RS05a]. $3 \times n$ [SH08]. 4 [Aga02a, BDD+01, OB01, Zha04c]. 4.5 [WHBM09b]. 4×4 [OPS07]. 5 [LT03b]. 5×5 [BAD09, DA10, Kob05, LM04b, BX04]. 6 [AGKM09, CHP03]. 600 [HD03]. 6×6 [BN08]. 8 [BDD+01]. $[0, 1]$ [DS02]. $[0, \infty)$ [DS02]. $[A^T XA, B^T XB] = [C, D]$ [pLLfY06]. $[f]([x]) = [A][x] + [b]$ [MW03a]. $^{(13)}$

[WWJ09]. * [Lav03b]. * [HS06a]. $_q$ [ZZ05]. $_T(AB) =_T (BA)$ [CCH02b]. A [CC00, ĐJ07, JT04a, JS07a, MW08a, NT06a, RA08b]. $A(R, S)$ [CHK$^+$01]. $A + B$ [BK09a]. $A + iB$ [BK09a]. $A - XY*$ [Sv05]. $A = p(X)$ [Dra07]. $A^k = J - I$ [WL03]. A^m [WJL02]. $A^\star$ [NT06a].
$A_1X_1B_1 + A_2X_2B_2 + \cdots + A_lX_lB_l = C$ [hPyHZ07]. $A_iXB_j = C_{ij}, (i, j) \subset \Gamma$ [vdW03]. A_n [Zhu08]. $A^{(2)}_{T,S}$ [CC00].
$AA^\# \geq 0$ [JT04a]. $AA^\star - A^\star A$ [NT06a].
$A \log A$ [Fur03]. α [Mat05c, Wan06, Tre09b].
$\alpha X^2AY^2 + \beta XAY + A = 0$ [Ili08]. $A \to |A|$ [CS03b]. $AX - XF = BY$ [ZD05]. $AX = B$ [MHZ05, yPyH03, ZHZ08]. $AX = C$ [Xu08, DK08a]. $AXA^* = B$ [LTT09, Gro00b, ZyC03]. $AXYB = 0$ [Dob01]. $B(H)$ [Ji03a, Ji03b, DHB07, Pet05, Wu09, YZ09]. $B(X)$ [AH02]. C [DHK06, CC01, CN01]. $C[x]$ [SS04a]. $C[Y]$ [RSS00]. C^* [AR06b, CXZL02, FYY09, HJM09, Li08d, O'u02, PR07, Sha09, Sud02, Sud04, XS08, Xu09]. C^1 [HMR09]. C^n [HvP05, BP06b]. C^r [PPF02]. C_0 [WGT09]. C_{00} [Kar09]. C_4 [Nik08a, Nik09]. C_5 [CS05]. C^2_n [HWC06]. C_P [CZ07]. $\mathcal{H}_\infty$ [PGRO06]. $\mathcal{M}$ [JO05]. D [ÁFMNW03, ÁFMNW06, FGL$^+$00, LY05, PWZ05, AH09b, Guo07b]. D_k [JSU03]. D_n [Zhu08]. $\det(A(G)) = \deg(G)$ [Doo02]. $DH(2n - 1, 4)$ [De 08]. E [Udd09, Fie05b]. e^{A+B} [BS07]. $e^A = e^B$ [Sch03]. e^Ae^B [BS07]. E_7 [KKK07]. F [Dun04, Yah06, EdRM04]. $f(A) + f(B)$ [BU07]. $f(A + B)$ [BU07]. F^N [Sal09]. F_2 [PM08]. F_4 [Dra08c]. FC_2 [SSSG06]. G [FIL07, Lav03a, Nie04b, TH01, GWW06, WG02a, WG02b, WJL02, MMT04]. $G(c)$ [NT01]. G_2 [BS02b, BDE03, DM06]. $G_2(2)$ [KKK07]. Γ [LL08a, BBMX07]. $GF(2)$ [Ose08b]. $GL(n, q)$ [VLAOVL08]. $GL_n(F)$ [NY00]. H [AH08, And04c, BOP08, BCPT05, BPS04, BCGM08, CT04, GH03, Had04, HSL05, KY00, Kol09, LS04b, LH04, Xia03, XZ06, YLX09, yZXtL07]. H^2 [Tre04f, Bör07]. H^∞ [Dam02]. H^n [Dam04]. $h_1(x_1) + \cdots + h_n(x_n) = y$ [Cai03]. H_2 [ABR02, PS03, GM09a]. h_i [Cai03]. H_∞ [BBMX07, FS02].
$HyperlatT = Hyperlatf(T)$ [Pră02]. I [FS06b]. $I \times 2 \times 2$ [tBSR04]. $I \times 3 \times 3$ [tBSR04]. J [AADL03, ADL04, AD08, BNdP$^+$05, Fre08, FKRS09, FKR09, LPR04, MH06, NBdP05, NBdP08a, Rod09, Str03b, HQ08, LLM03, LL08b, LL03, WL07]. J^α [DM02]. J_ℓ [ADL06]. J_n [WJL02]. J_q [FKM02]. j_{qq} [FKM02]. k [BB03a, BT00, BK03, BG09a, BT05b, BM04b, BG06, Che07a, De 09c, DWD07, GS09b, GL08, Guo05d, Guo06b, GW09c, Hua09, KN03a, KR03, LT07a, Lee00, LK03, LZS09, SC08, SBS02, Stu03, Tre08, WY08, WXH05, YW07, YL06, ZgC06, ZWY00]. $K(T)$ [LT05]. $K_{2,l}$ [SS07c]. $K_3 \times C_n$ [HLW08]. $K_m \times P_n$ [LPW08]. K_n [Doo02]. L [BC04b, Ish04, Sat06]. $L(H)$ [CS03b]. L^2 [Di 03]. L_p [Doe07, Pro08]. L^s_r [Han03]. λ [AMS05, Oku06]. Λ^k_n [Wan03b]. LR [PVV08]. M [Ano03-44, AT09, BCEG09, CNX05b, Che04b, Che07b, Che07c, CH07, DPZ06, ES08, GN03, HNT03, HTK07, Her03, Hog02, JS01a, JS01b, JS07b, JS07c, Kal03b, KH09, Kol09, LM06a, LHSL07, LCW09, Nab07, Son00, WZZ00, Wan09c, Xia03, BBS06, Di 03, GW09b, Jai06, Meh00, Wu05a]. M_2 [RSW02]. M_n [Leg04]. $M_n(A)$ [CXZL02]. $M_N(C)$ [GM07b]. $M_n(Z_+)$ [BGLS04]. μ [NT09b]. $Mx = (M - \gamma I)v$ [SP04]. N [Ano02-27, ATU03, ATU04, ATU05b, AT09, pBhSzZ09, Hag07, Bai03, pBlWyXwA08, BAL09, BKK07, CCH02b, Cho04, GL08, Guo05d, Guo07b, GW09c, JLY09, KMS00, LZS09, LM01, Yam06, YSL08, PCVT04]. $n + 1$ [KN06b]. $n - 1$ [FL07a, CW03a]. $n - 4$ [YSL08]. $N = 1$ [Zhu08]. $n = 5$ [DHH$^+$07]. $n \equiv -1 \bmod 4$ [ÁFMNW03]. $n \equiv 0 mod 4$

[LY05]. $n \equiv 0 \pmod{k}$ [ZWY00]. $n \times n$ [Bir04]. $O(n^2)$ [GL03]. $O_n(V)$ [Ish04]. ω [Ots01, Wan09a]. $\Omega(V)$ [Ell04]. P [AT09, BEH$^+$06, DH00, GST04, JTU03, MS04c, MN07, Rum03a, Sch04, SG06, TSOA07, DJ07, Dug08, EL01, FF04b, Hou03, Joc09b, Kov02, LV03, Li03, TU02, VLAOVL08, Wat04a, FJTU00]. $P(P_0)$ [HMT$^+$08]. $P + Q + R + S$ [CXW09]. p^m [Kov02]. ϕ [BD06b]. ϕ_J [DoMP09, MPP10]. π [XZ06]. PLU [GT02a]. ± 1 [SXKM03]. $p \to q$ [Aud09b]. ψ_S [HMP09]. $PSL(2, q)$ [LL06b]. $PSU(3, q)$ [Liu03b]. $PU(2, 1)$ [XJ08]. Q [BC03, LR03, MM05, Nak00, NY07b, SG06, AC08, BLP06, BR09, CN02a, CN06, CN07, FN09, IT07a, Joh05, Liu03b, Mas09, Nis02, Siv09, Ter04, Wan09a, YLZ09]. $Q^+(9, q)$ [De 07b]. R [Tre04c, Tre09a, YLZ06, Far08, TR03, YLS05]. R^n [CKM05, BKK07, QT06]. R_0 [MM05]. S [Bon03b, XS04, Roj07b]. $S(a, b)$ [dLdAOdF07]. S^2NS [SSY05, SHS03a]. $\sin 2\theta$ [Li00b, TL03]. $Sl(2, H)$ [For04]. $sl(3, C)$ [HNPT06]. SL_n [KN06b]. $SL_n(F)$ [NY00]. $SO(2l + 1)/U(l - m) \times SO(2m + 1)$ [Arv08]. $SO(V)$ [Ell04]. so_n [Dvo03]. $st + 1$ [Roj07b]. T [BO09, LT05, Omi09, WX06b, WX06c, BT05a]. T^* [LWD09]. $T^*|T^2|T \geq T^*|T|^2T$ [JK06a]. T^2 [FKP00]. θ [RBTR09]. $Tr[(a^*a)^n]$ [MLR00]. $U(VU)^\dagger V$ [Čer09]. u_q^+ [Gun03]. $vecX$ [NT02]. $V \times V \to V, \dim(V) = 3$ [EdRM04]. W [KMS00]. $W(H_4)$ [KKABAF06]. $W(T)$ [Del01]. X [vdW03]. $X + A^*F(X)A = Q$ [RR02]. $X + A^*X^{-1}A = P$ [Xu01]. $X + A^*X^{-2}A = I$ [Zha03b]. $X + A^*X^{-\alpha}A = I$ [ESP05]. $X + A^*X^{-\delta}A = Q$ [HES06]. $X + A^*X^1A = P$ [gSX03]. $X + Q + A^H(X - C)^(- 1)A$ [gS03b]. $X - A^*X^{-2}A = I$ [CX05]. $X - A^*X^{-p}A = Q$ [LZ09b]. $X - AXB = C$ [JW03, JW03]. $X - \sum_{i=1}^{m} A_i^* X^{\delta_i} A_i = Q$ [DLT08]. $X = Q + \sum_{i=1}^{m} M_i^* X^{\delta_i} M_i^*$ [Lim09c]. $X^n = f(X)$ [JKL09]. $X^s + A^*X^{-t}A = Q$ [CC09, DL08, YLF09]. $X^s \pm A^TX^{-t}A = I_n$ [LG03]. $XA - AX = X^p$ [Bur05, Ikr07a]. $XB = D$ [Xu08, DK08a]. $XBX^2B^3X^2BX = A$ [Lim07b]. ξ [QH09]. $\xi(G) \leq 2$ [HvdH07]. $X \longrightarrow \sum_{i=1}^{n} A_iXB_i - X$ [Dug01]. $X \pm A * X^{-n}A = Q$ [Iva05]. $X \pm A * X^{-q}A = Q$ [Has05]. $X \pm A^*X^{-1}A = I$ [FG08]. $X \pm A^*X^{-1}A = Q$ [HI06, HIU04]. $X \pm A^*X^2A = I$ [IHM01]. $xy - yx*$ [CFL05a]. $XY - YX^*$ [CL09d]. Z [Fan02, LS00b, Nab07, Smi01a, PCVT04]. Z_+ [Val02a]. Z_2 [DT09]. $Z_3 * Z_3$ [LR00]. Z_n [SHZ05]. Z_p [ACM03]. $||A^{-1}||_\infty$ [CH07, Wan09c]. $||f(A) + f(B)||$ [Kos06]. $||f(A + B)||$ [Kos06].

***** [BN08, BC00, GR02]. ***-cocharacter** [BC00]. ***-rings** [GR02]. ***-subalgebras** [BN08].

-adic [EL01, YLZ09, FK07]. **-algebra** [CXZL02, Li08d]. **-algebras** [Nak00, NY07b, O'u02, Sud02, Sud04, Yah06]. **-Aluthge** [AMS05, Oku06]. **-Analogs** [Siv09]. **-analogue** [BLP06]. **-approximate** [RA08b]. **-Basis** [AAGK06]. **-Bernstein** [Wan09a]. **-by-** [AY03, CN02b, CN09, NBdP08b]. **-by-2-by-2** [BBS06]. **-central** [FKRS09]. **-circulant** [RS03a, WJL02]. **-circulants** [Tre09b]. **-cocycles** [ZFW06]. **-coloring** [SG08]. **-Commuting** [LL08a]. **-complementable** [MS04c]. **-conjecture** [NT09b]. **-connected** [BDD$^+$01, LRWW07]. **-continuity** [HMR09]. **-contraction** [OS01]. **-contractions** [And04c, Kar09]. **-contractive** [Rod09, AD08]. **-control** [FS02]. **-corona** [Tre04f]. **-cube** [Bai03]. **-cycle** [OB01]. **-cyclic** [Li03]. **-D** [Yag01]. **-determinant** [Nis02]. **-diagonal** [ML02]. **-dimensional** [Aga02a, GW09b]. **-distance** [BR09]. **-divergence** [FS06b]. **-doubles** [MT04]. **-doubly** [Nie04b]. **-edge** [BM04b]. **-elementary** [FKM02]. **-eliminated**

[BT00]. **-extension** [LWD09]. **-extensions** [Joh05]. **-factorization** [GT02a]. **-family** [PPF02]. **-Fibonacci** [LK03]. **-fields** [Far08]. **-filiform** [BS01]. **-flows** [AGKM09]. **-fold** [KN03a]. **-free** [Nik08a, Nik09, SS07c]. **-functions** [Sat06]. **-generalized** [BT05b, DWD07, LT07a, TR03]. **-graded** [Bon03b, DT09]. **-graphs** [RBTR09]. **-harmonic** [PBR06]. **-Hermitian** [BNdP$^+$05, Fre08, NBdP08a]. **-Hessenberg** [Meh00]. **-hypertournament** [KR03]. **-hypertrees** [Siv09]. **-hyponormal** [CLY08, Dug08]. **-Indecomposable** [YLS05]. **-instability** [BD06b]. **-invariance** [Lav03a]. **-Invariant** [CHKS05, FIL07, TH01]. **-inverses** [GWW06, WG02a, WG02b, JS07a]. **-Inverting** [IT07a]. **-involutory** [Tre08]. **-iteration** [BBMX07]. **-left** [ZX05a]. **-Lie** [pBlWyXwA08, BAL09, pBhSzZ09, QH09]. **-linear** [OdAJ02, YLZ06]. **-local** [XL04]. **-Lucas** [Lee00]. **-marked** [CP07b]. **-matrices** [BBD$^+$08, Bru02b, BD07, JS07b, KTR08, LB04, SHRC03, AH08, Ano03-44, AT09, BCEG09, BCPT05, Bör07, BEH$^+$06, BPS04, BCGM08, CNX05b, CT04, Che04b, Che07b, Che07c, CH07, DPZ06, ES08, Fan02, GH03, GN03, HNT03, Had04, HTK07, Her03, HSL05, HMT$^+$08, JS01a, JS01b, JO05, JS07c, JTU03, KH09, Kol09, LS00b, LH04, Nab07, Rum03a, Sch04, Smi01a, TSOA07, WZZ00, Wan09c, XZ06, XS04, yZXtL07]. **-matrix** [BFPW02, FJTU00, ATU03, ATU04, ATU05b, DH00, Hog02, KY00, LHSL07, LCW09, MN07, Son00, Xia03, YLX09]. **-metric** [Jai06]. **-Metrics** [FF04b]. **-modules** [AR06b, FYY09, Gun03, HJM09, PR07, Sha09, XS08, Xu09]. **-nearly** [YLS05]. **-norm** [LV03]. **-norms** [Pro08]. **-numerical** [CC01, CN01, CN02a, CN06, CN07, DHK06, NBdP08a]. **-Observers** [BO09]. **-operators** [JLY09, Yam06, Kal03b]. **-optimal** [ÁFMNW03, ÁFMNW06, LY05, MW08a, PWZ05, Udd09]. **-orthostochastic** [NBdP05]. **-periodic** [Ots01]. **-Pfaffian** [Mat05c]. **-positive** [Aud09b]. **-Potapov** [FKRS09, FKR09]. **-potence** [Hua09, SC08, YW07]. **-potences** [WY08]. **-potent** [BT05a, Hua09, SBS02, Stu03, ZgC06]. **-potential** [Mas09]. **-power** [ZgC06]. **-power/** [ZgC06]. **-primitive** [BK03]. **-primitivity** [GS09b]. **-properties** [GST04]. **-property** [SG06]. **-quasi-hyponormal** [DJ07]. **-quasihyponormal** [TU02, TUC04]. **-Racah** [Ter04]. **-radii** [NT01]. **-ranks** [Hou03]. **-reducible** [Wu05a]. **-reflectors** [MMT04]. **-regular** [AH09b]. **-rings** [Ish04]. **-scalar** [Wan06]. **-selfadjoint** [BOP08]. **-separation** [vdH08a]. **-Serre** [AC08]. **-shape** [Omi09, WX06b, WX06c]. **-simple** [Fie05b]. **-skew** [Tre04c, Tre04e]. **-solutions** [PCVT04]. **-stable** [FGL$^+$00]. **-statistic** [Dun04]. **-statistics** [FKP00]. **-step** [LA05, RM01]. **-subgroups** [VLAOVL08]. **-subspace** [HQ08, LLM03, LL08b, LL03, WL07]. **-symmetric** [LPR04, MH06, Str03b, Tre04c, Tre04e, Tre09a]. **-symmetrizable** [JSU03]. **-system** [vdW01]. **-tensors** [SMS09]. **-tetrahedron** [FN09, IT07a]. **-th** [Cho04]. **-Transitivity** [LM01]. **-Tuples** [CCH02b, BG09a]. **-type** [Dam02, LM06a]. **-unitary** [AADL03, ADL04, ADL06, LS04b]. **-variable** [CLY08]. **-vertex** [HD03]. **-widths** [MQ03].

0 [Tům06, Böt06b]. **0-521-83828-2** [Tům06]. **0-691-11946-5** [Böt06b].

1 [GV09b, vGKN09, Lan05, gLgWmW08, Moh05]. **1-inverse** [gLgWmW08]. **1-type** [BM04d]. **10th** [Uhl04]. **11th** [dOQSZ06]. **12th** [Ano04t, Ano07s, BGKW07]. **13th** [EMS06, Ano05p, BBVR08]. **14th** [Ano09p, IMS$^+$09]. **16th** [AHST09, Ano09q].

1999 [dSQS00].

2 [Tům06]. **2000** [Uhl00]. **2001** [Ano03-46, Sch02b]. **2002** [Uhl04]. **2004** [EMS06, dOQSZ06]. **2005** [Ano07s, BLL06, BGKW07, Ros06]. **2006** [Ano05-33, BBVR08]. **2007** [AHST09, Ano09p, Ano09q, IMS$^+$09]. **2D** [RO02].

3-540-21100-4 [Kol05]. **3-by-3** [Lás07]. **3D** [GHO02].

5 [Böt06b].

7-03-012437-5 [Moh05]. **70th** [Olk02].

8th [Pue01].

90 [Zaï04]. **978** [Moh05]. **978-0-521-83828-3** [Tům06]. **978-0-521-88300-9** [Rod09]. **978-7-03-012437-1** [Moh05].

= [WJL02].

A. [BLN04, Bot06a]. **abelian** [BN08, DKX03, KO08, RG03, CKK08, FZ04]. **ABLE** [Wu06a]. **Absolute** [Ips00, MM06a, Tre03b, Tre03a, EMERP06, HDA09, Ips03, RST01, Rad03b]. **absorption** [KN01]. **Abstract** [Zem07, Per03, Prz02]. **abstraction** [Per03]. **Accelerated** [SK08a, XZ06]. **Acceleration** [Rih01, Cen06]. **according** [Wan09e]. **accretive** [Nie09]. **Accuracy** [CCTT00, BNT05, Koz09]. **Accurate** [DK06, Fer03, KD07, BPV00, Hig00, MM07, Sla03]. **accurately** [OS00]. **achievable** [ĐJ07]. **achieve** [Das04a, YLT05a]. **Action** [AM05, BFZ05, Bra03, DW05a, LK00]. **actions** [DDI03, Pre05]. **acyclic** [BFS08, BOvdD04, CdFM08b, JTU03, KS08, Moh07, NS07a, CdFM09]. **Adamjan** [IO01]. **Adamjan-Arov-Krein** [IO01]. **Adaptive** [KHG04, CPPS00, FLMR00, LCF06, PEPS00, SK08a, Wd09]. **adaptive-order** [LCF06]. **added** [RvdGM05]. **addendum** [DL01]. **adding** [Guo06a]. **addition** [AGO09, LW03]. **additional** [OCK07]. **Additive** [BS00c, BS09a, gCZ03, CL05b, CL06, Cui07, CIDW06, Gon05, HC03a, HQ08, HJ08, JLL03, Kuz02a, Kuz02b, KO06, LH03, Lešo2, Lim05a, Lim08a, PY09, QH09, RST01, Rad03b, Tan05b, YT04, Zha05a, AGK06, BPS04, CD00a, Cal05a, DJ01, DG02, DH04, HWW01, HZ04b, HZ05a, HBLZ06, LK09, Lim05b, Lim06, Zaï04, Zha04c, Zha05b, dSG07, AH09a]. **Additivity** [JL09, Ji09, LL05b, Lu02a, CL05b, YT04]. **adic** [EL01, YLZ09, FK07]. **Adjacency** [AHZ05, CLP03, CH06, CLOvdD01, Gri04, Jør05, PFL05, RS05b, Sav05, vDHK07]. **adjacent** [Har05]. **adjoint** [CWW09, Del01, HZ05a, Lan08, LPR04, Mol06b, RA08b, Rob05, Tan03b, YLZ06]. **adjointable** [Xu08, XS08, Xu09]. **adjointness** [MPT04]. **adjoints** [Del01, IS08]. **Admissibility** [HG09, Wu08c]. **Admissible** [LS02d, GM04, ZGL09]. **admit** [AT09]. **admitting** [CDJ08, Liu03b, LL06b]. **Advanced** [Kra05]. **Advances** [Hil07b]. **advantage** [CM09]. **adventures** [Dax03a]. **affected** [PA04]. **Affine** [Jel03, RG03, BM06a, Ber04, BNV05, DDI03, Gew03, GN09, OP05, Ple07, PPZ09, RVZ00, smbH02]. **affine-symplectic** [GN09]. **age** [PSvdW05]. **agent** [ZTK09]. **aggregates** [DHFS00]. **Aggregation** [BBFP04, LT04a, MM03, MP06, PW04, Pul07, SK08b]. **aggregation/disaggregation** [MM03]. **Aided** [CFM03]. **Alan** [Bar05]. **Alexandrov** [Kle07]. **Algebra** [Ano02-28, Ano03v, Ano03-31, Ano03-43, Ano03-46, CGN01, FMN04, HL08b, JS07b, SP09, Yan07, AAA$^+$02, AD02a, AGDR05,

AFR06, ADC08, BES02, Ber04, BV07, BS03b, BBP03, But03, BCG07, CW00a, Cao01, CXZL02, CT03a, CW03b, Cap01a, Cap01b, CEK+01, CKK08, CK04, CSK01, CGB04, CIDW06, CI09c, DDvG05, DV04, De 00, DT09, DHK06, Dra08c, Eic04, EvdD01, EvdD04, FN09, Gav00, Gav02, GP03, GQ09b, GC04, GL05b, HH00, Har07b, IS09, IT07a, Kye03, LK03, Li08d, LM06c, Lur05, LY09b, Mat04, Mei05, Mei06, Mik09, Mol05b, Okt04, OWY07, PG01, Pap00, Sem06a, Sem07, SSB09, SC07, Sob08, Str03a, Str06, TR01, TX09, Ter02, Uhl03, WSL02, WY04, WY06b, WY06a, WYZ07, WL09a, WZCL08, ZXZ08, FMPT04, Zav07]. **Algebraic** [BL09c, Bou09, DR08, FO01, Kra03a, LZ08b, MS04b, PJ07, PRV05, Sal09, SH00a, Zha09, BP05a, BPT07, BILM06, Bra07, BP09, BCS02, BP06b, But08, CNR00, CFL05b, CLY07, DSW07a, DRGR04, FKP03, FPP01, GB06, GKvS04, Guo02, Guo07a, HM02, HL09, KMNS02, Kir03b, Knu00, KTKR06, Lešo4, MN08, Mol06a, NZ06, Nie01a, OCK07, PL08, RM06, Roj09a, Ser09, SGS08, SU09, gS02, TI08, Tre09d, Xu07, Yah06, ZF07, Zha07c, ZW00, dA07]. **algebraically** [EdRM04]. **algebras** [Aga02a, AJF09, ABW05, Ali09, AC03, AS09, Bae07, pBlWyXwA08, BAL09, pBhSzZ09, Bal07, BCES05, BBC00, BLS05, BBL+05, BS00c, Ben09, BS01, BC03, BCSV06, BKU06, BD03b, BPP08, BM05, BP06a, BGO09, Brü03c, BDV08, CM00a, CGN01, CS03a, CFN04, CLP03, CL03b, CT09, CD05, Cos07, CHL01, CGH04, CL09d, DZ01, DLZ03, DP02a, Dol03, DM02, Dom03, Drä03, Dun07, EMERP06, Eld00, FYL07, FP02a, FMM05, FM07b, FLRZ02, FMZ06, GML09, GR03, GZ07, GJMR01, GST04, GTM09, Ha03, Han03, HPP00, HL07b, Her03, HC03a, HC03b, HZ04b, HQ08, HJ08, HQ09, HN09, HM06, IS08, JW05, JW06, JL09, Ji09, JGPI08, Kim05, Kle09, KMMZ04, LR05a, LZ08b, LN08, LS06b, LLM03, LL05b, LL08b, LL09b, Lin03, LL04, Lip08, LH05, LR04, LP00, Lu02a, Lu02b, LL03]. **algebras** [Lu09, MT04, MG09, Mol06b, Nak00, NY02, NY07b, Ohn08, Oik08, OZ03b, OZ03c, Oku05, O'u02, Pei07, QH09, RST01, Rad03b, RM01, Sch09b, SS09b, SS06d, SSW08, Spi05, Str03b, Sud02, Sud04, WY08, WL07, Wil09, XX03, XL04, Yah06, ZJC04, ZYP05, ZFLW06, ZY06, ZFW06, ZPY06, ZYP06, ZWC06, ZZ08a, Zho00, ZG09, ZX05a, ZX05b, Zhu07, ZX07, ZXZ09, Zit09, Zus05, dlMW06]. **algèbres** [BCSV06]. **AlgLatT}** [Del01]. **AlgLatT}/** [Del01]. **algorithm** [Aga02a, Aga02b, ABK02, AADL03, ADL04, ADL06, AGI00, AY08, Are09, BBD05, Bau03, BEG+07, Bra03, BZ03, BQW09, CW00b, CFL05b, DW08, Dax00, Dax03a, DM07, FPP02, FNV08, FB04, Gav03, GL03, GZ08, HT01, HOP06, HC08, HS06b, Kle09, KMS01, KLMS03, Kre06, LQ00, LT08, MS01a, MM07, MVV08, McG06, Mel01, MZ06, Mül03, PM00, PHO07, PS07, PVV08, Pop01, Pop08, Prz02, Sid01, Ste07c, Van04, VWJ08, Wan01, rWQ02, WX06a, Wil07, Wu06a, XQ08, Yag01, YH04b]. **Algorithmic** [BD08, BV02, DMM00a, Dub09]. **Algorithms** [Ano03-45, Ano06f, AT08, FLQ04, Pen06, jYxL09, Arn04, BKDL01, BKO01, BBP03, CFM03, Cen01, Cen06, CGXL08, CCSS03, EG03, FMM01, GG09, GS03a, HR04, HL09, JPB08, MLK+04, PZ00, PT05, Pot03, Zar06, HT09a]. **alignment** [HS09]. **All-derivable** [Zhu07, ZXZ08, ZXZ09, Wu09]. **all-pass** [HOP06]. **Allow** [COvdD09, Hua09, JS00b, SG03]. **allowing** [GLS07a]. **Almost** [JS01a, AFL00, AHL+09, DHFS00, E+00, Gar03, GM08a, Kir03a, PT03, PT06b, Ste05a, Ste00b, Zho00]. **also** [Li01]. **alternants** [Ash05]. **alternate** [YT04, Zha04c, Zha05a, Zha05b]. **Alternating** [Zar06, BPS07, CS08a, CW00b, CL02a, EdRM04, FS06b, GQ09a, HS03, NB03, Wat05]. **alternating-Hamiltonian**

[Wat05]. **Alternating-projection** [Zar06]. **Alternative** [TY07, BL04, CC03, Rob06, SMK09]. **Aluthge** [AY03, AMS05, INOY03, Oku03, Oku06, Wu02, Yam02]. **always** [RSR00]. **among** [CHRS03, HS07b]. **Amsterdam** [BBVR08]. **analog** [SvdS01]. **analogs** [Zus05, Siv09]. **analogue** [BLP06, GK09, dH07, Igl01]. **analogues** [BP06a, MMT04]. **analyses** [Gri00, Gri04]. **Analysis** [Ano03-45, CP03, GM07a, KH01a, THH04, ADC08, AS02, Baz03, BM06a, Bén02, Cap03, Car09, CNX05a, CX05, CC06, DNR04, DKS04, DW05b, GvdV04, HNX03, HT07a, HB00, Hen07, HM04, HS09, Iva05, KFGK04, LZ09b, LgS01, MP06, NT02, PPP06, PW04, Pfa08, PSvdW05, Pul07, Rod06, RSW02, SC06, Str02, gSX03, gS03b, Vir08, VWJ08, WZ07, XZ06, XWD06, Xu01, XDS08, YTI06, Yeu04, vdVN00]. **analytic** [BES02, BES09, BR01, Bol02, CL07b, FKLN07, MGWN06, Wal05a, Wil07]. **analytical** [JP04]. **analytically** [Cao05, FKS02]. **analyzing** [BBP03]. **and/or** [SS07c]. **Anderson** [BT07b]. **ando** [XXZ09, BBM02, FK06, Lim08b, MPS00, ST08, Yam06]. **angle** [AEK06, RW01]. **angles** [BT09b, CFRS02]. **angular** [ZQ07]. **anisotropic** [FH06]. **annihilating** [BGS09, Obl08]. **annihilation** [HP00]. **anniversary** [Olk02]. **ANOVA** [Jia04]. **answer** [HL07a]. **Anti** [Meh00, ADC08, DW09b, Fie01a, Gem03, Hol05, KN03a, yPyH03]. **anti-** [Meh00]. **anti-bidiagonal** [Hol05]. **anti-invariant** [KN03a]. **anti-Monge** [Fie01a]. **anti-reflective** [ADC08]. **anti-reflexive** [yPyH03]. **anti-stable** [Gem03]. **Anti-triangular** [Meh00, DW09b]. **antiderivations** [Ben05]. **Antieigenvalue** [Sed09]. **antirings** [DO09a, DO09b, Tan07, Tan08]. **antisymmetric** [Yin04, Yin05]. **any** [Roj06b, RR07a, Roj09b]. **AOR** [LS01]. **appealing** [fur08b]. **Appl** [Ano03-31, HL08b, JS07b, Yan07]. **application** [AH03, BdPK07, BI00, BP09, CFM03, Čer09, DMMV09, DPZ06, Dun04, Est05, FWG08, HFR04, HC08, Jia00a, JOR01, KMS05b, MB07, MGWN06, PA04, SvdD05, Ser09, Xue01, ZJL02, WLBZ06]. **Applications** [Ano03-45, Hol00, HHT06, LXW04, SR06, AKL07, BB04d, BHNR03, Bat06, BKPW08, Bon03a, Bul08, Cao09, Cap03, Che05, CNSM08, CXW09, CNF08, CBD+04, DL04, DK08a, EMT05, Elf04, Fan02, FK07, Fur08a, Fur06b, GH00a, Gol05, Gra02, vGKN09, Had05, Han07, HT02, HP03b, Hun06, Hun08, JMT04, JS04, KV09, KL07b, LS01, MPP06, Mül03, Nah06, Nie08, Pfa08, RL03, RW02, Reu06, Rie00, Rod08, RR07b, SSW05, SC06, SU09, SS09d, Ste05b, TR01, TR02, Tak04, Tan05b, TBK09, TS09, Tsa00, VWD08, WvdWC09, WlW07, Xu03, YFK05, YTI06, YM07, Zen01, Zha05a, tBS06, Tům06, vdD09]. **Applied** [FMN04, Di 03, KS09, Li03]. **Applying** [BBP03, RT06, TVB08]. **appreciation** [BHN+07, Ros06]. **Approach** [vdD09, AGDR05, AVV05, AP04, Arp03, Arp05, Bak04b, Baz03, BPT07, BSS09, BZ03, BP06b, Cap01a, CTW01, CC06, DMM00a, DS03a, Dub09, EG04, FL04, FLPW07, FN07, FP02b, FM04b, FVP06, FS02, GN05, GTT01, GL05b, HNV00, Haz05, Hei01a, LS09b, LCP02, NPP00, OT06, OT01, PRW01, QC04, RR05, Rob06, RZ05, Rod05, RW01, SH09, Uhl03, Val00, VS04b, VZ02, WL03, XM02, XDS09, YLZ09, ZM08, dST06]. **approximants** [CL01a]. **Approximate** [AHW05, Bur06, DV00, NS03, PW04, Cao07a, DTGV06, Gha01, IK06, Pop01, RA08b, SA02, Ste02b, Wd09]. **approximately** [OV06a]. **Approximating** [HW05a, HO01, BC04b, Dah05, SvdE03]. **Approximation** [FKP00, HLT04, LZ08a, PJ08, ABB00, BS09b, BNT05, Bör07, Cen06, CC00, CL01b,

CFP03a, CHP07, DLMO07, DP00, Dru08c, EF07, ESC08, Fei04, GS04b, Gu01, IBI09, JLMP02, Koz09, Li06b, MV07, NB03, Ovt06a, Ovt06b, pPyHZ05, hPyHZ07, RW01, SC07, Tic05, Tre04d, Wer08, ZW03, ZHZ08]. **approximations** [BKK08, Gri00, GV06b, RW06, RS02, Ste01b, Tyr04, XHpS06, Ye08]. **April** [Ano05-33]. **AR-representations** [Kar04]. **arbitrarily** [DS08c]. **arbitrary** [AMZ09, BD05, BOvdD07, CV05, CVV09, DHH$^+$07, DJOvdD00, EGO05b, HR04, KOvdD07, MTvdD05, MS08, ML02, Pop01, Pot03, PG04, Son02, VW00, VR06, Wan04]. **Arc** [KO08]. **Arc-transitive** [KO08]. **arcs** [SW03]. **argument** [FS07]. **arguments** [Chi04]. **arise** [De 09a, MMX04, SG09]. **arising** [BLdP04, BLM02, BLM03, BILM06, CBIXG08, CLB09, CP09, De 08, FB05, FH04, Fuj05, GG09, HNX03, JLMP02, LCN04, MM06b, OZ03a, Wan07b]. **arithmetic** [BK00b, Bha06, BK08, CE09, FNT05, Jan01, KL07a, Kul01]. **arithmetic-geometric** [BK00b]. **arithmetical** [Hon06]. **ARMA** [KV09, KMS05a, KS06b]. **ARMAX** [KS05]. **Arnoldi** [Bag08, BLR00, LCF06, MZ06, Ste07c, VV06]. **Arov** [IO01, Rod09, FKM02]. **Arov-normalized** [FKM02]. **arrangements** [BHL$^+$04]. **array** [Jai06, Jai07]. **arrays** [CtBDC09, TBK09, tBSR04, tBS06]. **articles** [Sch00b]. **artifacts** [TKX08]. **Artinian** [LZ08b]. **Arveson** [BR02]. **Ascent** [SdSW07, BS09a]. **Aschbacher** [CS05]. **Askey** [Nom05b, Vid07]. **Aspects** [Huh05, FO01]. **assessment** [CCTT00]. **assignability** [SSSG08]. **Assignment** [AMZ04, AMM06, GW02, GT06b, LK09, RZ01, RZ05]. **assisted** [Plu01]. **associated** [Alt09, BFL05, BSW06, BSL04, BLLS06, CFN04, DMM00a, FMM05, Fur03, Fur06b, GLW09, HV03, HTV02, Hon06, IHM08, JTU03, KH01b, KH03, KM07, Lee00, pLLfY06, NT06b, O'u02, pPyHZ05, Pou01, Sal09, Sat05, Tre04d, VPV01, WL08, XDS08, XDS09, ZW00]. **Associating** [GPM01]. **Association** [GWL09a, GWL09b, Tag04]. **associative** [Are09, BLS05, CC04, CHP03, CHJP05, FM07b, LN08]. **assumptions** [ATU04, FJTU00, YW07, Zha04b]. **Asymmetric** [FPP01, Wat01a]. **Asymptotic** [AL09a, Bar08, Ji03a, MW03b, NCV05, RSW05, Tre06, You07, GZ01, HBHS05, HB00, HT07b, Lur05, PRP02, SV07, SC07, Tre03c, Tre04b]. **asymptotically** [FLPW07, Pit09, OP05]. **Asymptotics** [Mal09]. **asynchronous** [BKS01, Str02]. **atlas** [LST08]. **atomic** [Ha03]. **Atoms** [Ros09]. **attached** [Bap05, Roj09b, RM09a, Tag04]. **attaining** [EKS01]. **Auburn** [Uhl04]. **augmented** [Cao09, Bag08]. **Auslander** [Kra03b]. **Author** [Ano01a, Ano01b, Ano01c, Ano01d, Ano01e, Ano01f, Ano01g, Ano01h, Ano01i, Ano01j, Ano01k, Ano01l, Ano01m, Ano01n, Ano01o, Ano02p, Ano02a, Ano02b, Ano02c, Ano02d, Ano02e, Ano02f, Ano02g, Ano02h, Ano02i, Ano02j, Ano02k, Ano02l, Ano02m, Ano02n, Ano02o, Ano03r, Ano03s, Ano03a, Ano03b, Ano03c, Ano03d, Ano03e, Ano03f, Ano03g, Ano03h, Ano03i, Ano03j, Ano03k, Ano03l, Ano03m, Ano03n, Ano03o, Ano03p, Ano03q, Ano04r, Ano04s, Ano04a, Ano04b, Ano04c, Ano04d, Ano04e, Ano04f, Ano04g, Ano04h, Ano04i, Ano04j, Ano04k, Ano04l, Ano04m, Ano04n, Ano04o, Ano04p, Ano04q, Ano05o, Ano05a, Ano05b, Ano05c, Ano05d, Ano05e, Ano05f, Ano05g, Ano05h, Ano05i, Ano05j, Ano05k, Ano05l, Ano05m, Ano05n, Ano06a, Ano06b, Ano06c]. **Author** [Ano06d, Ano06e]. **auto** [Del01]. **auto-adjoints** [Del01]. **automata** [BBFP04, CCG01]. **Automated** [BHS06]. **automatic** [FLMR00]. **automorphic** [BN05]. **automorphism** [Abd05, Chl06, Eic04, FJ04, Kes00, TX09]. **Automorphisms** [ALMS06, Cao01, CT03a,

CSWM01, HP02, Kim05, Leg04, Lip08, WYZ07, CW00a, CCH02a, CLY07, DKX03, Eld00, Ish06, Jel03, Kov02, WY04, WY06b, XCX01, XL04, ZYP05]. **autonomous** [McC05, Val00]. **autonormal** [Udd09]. **autoregressive** [KS01]. **Aveiro** [Ano05-33, Ste07b]. **average** [BS08, CGHG06, KS01]. **Avram** [BGM08]. **AZB** [Bou05].

BA [DK04]. **back** [And07a, Gol05]. **Backward** [AD03b, HP03a, Ste02b, Tis00, Wie01, BR02, BKO01, CCTT00]. **Baker** [BC04a]. **Baksalary** [BS05a, Cal05b]. **balance** [BC08a]. **Balanced** [BD06a, HOP06, NT07a, Sty06, BPS09, CLVV06, HT08b, Jia04, Roj02, RP03, RS05b, SH00b, SA02, Uhl03]. **Balancing** [BK06b, CD00b, SK08b]. **ball** [AD02b, ABK02, AD03b, AD03c, AD04, Bol02]. **balls** [MQ03]. **Banach** [ATV07, BES02, CIDW06, CI09c, DH03, Din03, Ed05, GGM$^+$09, Her03, HM04, HM06, Jam07, Lu09, NY02, Sch09b, SS09b, WZ07, ZZJ08]. **Banachiewicz** [BS02a, TT09]. **band** [BG02, BES03, EG04, EG08, FLM02, GR00, Lin08a, LRR04, McM09]. **Banded** [Kra01, CG00b, DH09, GGCB07, HV01, Kar05a, KT08, NB03, Sch09c]. **banks** [CMX05, Jia00b]. **bar** [FLROV05]. **Barcelona** [Pue01]. **Barker** [SMK09]. **Barnett** [VPV01]. **Barnett-type** [VPV01]. **Bartholdi** [MS07]. **base** [BDM03, CL08a, LY06]. **based** [BZ06, BEG$^+$07, Bol01, BDKW04, CGHG06, CHP06, DG07, DM07, FM04b, Gug08, GWL09a, GWL09b, HHM09, HV01, IWL07, IK06, Jan01, JL03, KM04, Kir04, KTKR06, LMV03, Lim09b, LLT05, LzZT07, MVV08, MPS00, MPS03, PW04, RW06, RO02, Smi08b, Sun02, Ter01a, Wri06, YKF05, ZM08]. **Bases** [CGB04, AVV05, AP04, BOP08, BKU06, BSS07, CNSM07, DJ06, HJM09, Kro01, LXW04, Ma09, NT09a, Pit03, PR04b, YSS07, Zob00, dlMW06]. **Basic** [ARR06, CNSM08, Fie03a, Dom03, Fie04, FM04a, Har00b]. **Basis** [AAGK06, BPR03, Bor08, Bou09, BP09, Gu01, NT06b, OF02, Pou01, Yan01b, ZJL02]. **Bauer** [Ano05q, Ano06h, wCL04, FGH$^+$06]. **Baxter** [FLROV05]. **BBP** [SMK09]. **be** [BW05, Mir03, Nar05, Ste00b]. **Beam** [EHR08]. **beams** [DN00]. **Bebiano** [FNT07, Fur07, MF09]. **Bedlewo** [EMS06]. **Behavior** [Böt06b, Bar08, BES09, Cap01c, De 00, EN09, HT07b, LMT09, NCV05, PW08b, RSW05, SV07, SP04, TE05]. **behavioral** [PRV05, RW01, Val00]. **Behaviors** [WY07, Fuh02, FRY07, Val02a, Yek04]. **behaviour** [Woo02]. **Behrens** [IV04]. **Beidar** [Che08]. **Beijing** [Moh05]. **Belitskii** [Kob05]. **Bell** [WW07]. **bellman** [XXZ09]. **below** [SS08a]. **benchmarks** [LRK06]. **Berlin** [Kol05]. **Berman** [SMK09]. **Bernstein** [MM07, Wan09a, Win00, Win03]. **Bessis** [Hil07b, LS09b]. **best** [Bak04a, BD09a, Cen06, LwW07, MV04]. **Bethe** [RM06, RR07a, Roj07c, Roj08b, Roj09b, RM09a]. **between** [AEK06, AAB$^+$07, AB05b, BBL03b, BH04, BB04c, BHLL04, BT09b, Bal07, BFH05, Bri05, BAD09, CZ05, CE09, Dax06, FNV08, GPMT06, GHI09, Gol06, GSR03, Joc09a, Kos06, LRŠ02, Lim05a, Lim09a, McE02, MW01b, Nab07, NT09a, Tan03b, Tan05b, Xu07, ZgC06, ZQ07]. **betweenness** [CG07b]. **Bezout** [BM04a, DMMV09, VPV01]. **Bezoutian** [KS06b, Yan01b]. **Bezoutians** [HR01, HR03a, OO05]. **Bhatia** [And07b]. **bi** [Pfa08, WSL02, Yin04, vdMSR01]. **bi-antisymmetric** [Yin04]. **bi-infinite** [Pfa08, vdMSR01]. **bibliography** [BHN$^+$07]. **Bicircular** [Jam07, SZ04, FIL07, Ili08]. **bicommutant** [Str03b]. **Bicyclic** [HLZ09, PBA09, Guo05c, Guo05d, Guo07b, HXL08, LZ07, ZWS09]. **Biderivations**

[Ben09, ZFLW06]. **Bidiagonal** [DK08b, GT08, BBD05, Fer07b, GL03, Hol05, Ral03]. **bidiagonalization** [BQW09, MS03a]. **bidisk** [Tre04f]. **Biehler** [HDB00, Hol03, OTC03]. **biextensions** [Drä03]. **bifurcation** [GPS01]. **big** [BW05]. **biggest** [Sav04]. **bijections** [AT07]. **Bijective** [LM06c]. **Bilateral** [ACS06]. **bilinear** [AC08, Are09, BD03a, BS06a, BBK03, BM06b, CLL05, Đok06, EdRM04, GQ09a, HS06b, HS08, IS08, KKP08, KLY09, Ose08b, Tan09a, ZS05]. **bimodal** [MSR06]. **Bimonotone** [QT06]. **Binary** [Cen01, FMZ06, dMFZ09, DV01, HLR08, Kun06, Lem04, Roj02, RP03, VHK01, Wu06c]. **binomial** [BB04d, Hou03, Sev08]. **biography** [Ano09r, BKR$^+$09, BHN$^+$07]. **BIOME** [AFCC04]. **Biorthogonal** [CMX05, Fie03b]. **Bipartite** [Jef05, BOvdD04, CCRS08, DGN02, FQ09, Lee00, Sat06, Ste00b, Ste02a, THZ09, ZLS09, ZZ08b, dW03]. **Birkhoff** [BdPK07, Car04, CC03, CdFM08b, CdFM09, Lim07a, MOSZ02]. **birth** [Blo08]. **bisubmodular** [Kar07]. **bisymmetric** [hPyHZ07, ZHZ08]. **bitangential** [BB02b]. **bivariate** [HW00, dBS08]. **bivectors** [LT09]. **Björck** [BEG$^+$07]. **black** [CEK$^+$01]. **Blaschke** [GW03b]. **blind** [CW00b, MLK$^+$04, AFCC04]. **Block** [ADT06, Bag08, Bor08, BD04, KY00, Smo08, Wir09, Aud06, Aud08, BW00, Bér05, BDG08, Bol04, Bom08, BW01, BES03, BD03d, Cal05b, CGD05, CL04a, CL02b, CL03b, CL06, CHP08, CI08, Dan02, DP00, Dru02, FT00, Fie05b, FKM02, GGCB07, GS09e, HC06, IO01, Kle04, Kol02, Kol03b, LMMT01, Las06, LW07, Lop07, MSW09, Mol08a, PP01a, Peñ03b, RS02, RS06b, SSSG08, SS08b, Tia00, Tre09b, Tre09c, Tri02, Wan06, Wim01, XZ06, YH04a, ZJL02, yZtLC06, dF00, vdMSR01, vdMSR03]. **block-diagonal** [Tri02]. **Block-diagonalisation** [Wir09]. **block-matrices** [Bol04]. **block-structured** [Peñ03b]. **block-tridiagonal** [KY00]. **blocks** [CS00b, CS03c, CS03d, FGM03, KN04, Kun06]. **Blockwise** [Xue01]. **blowing** [SV06b]. **blowing-ups** [SV06b]. **BLUE** [KP06]. **blur** [CCSS03]. **board** [Ano02u, Ano02v, Ano03w, Ano03x, Ano03y, Ano03z, Ano03-27, Ano03-28, Ano03-29, Ano03-30, Ano04w, Ano04x, Ano04y, Ano04z, Ano04-27, Ano04-28, Ano04-29, Ano04-30, Ano04-31, Ano04-32, Ano04-33, Ano04-34, Ano04-35, Ano04-36, Ano04-37, Ano04-38, Ano05s, Ano05t, Ano05u, Ano05v, Ano05w, Ano05x, Ano05y, Ano05z, Ano05-27, Ano05-28, Ano05-29, Ano05-30, Ano02t]. **Bode** [Igl01]. **bodies** [Pue07]. **Bohr** [ABP09]. **Boltzmann** [TVB08]. **Book** [Böt06b, Kol05, Moh05, And07b, SS07c]. **book-free** [SS07c]. **books** [BHN$^+$07]. **boolean** [Liu03a, AFS09, GL09, HLR04, LYY07, Wat01b]. **bordered** [DP01, GWW06, PES07, WG02a]. **bordering** [Bal00]. **Bose** [WF04]. **both** [CH01, FKRS09, NT07b]. **Böttcher** [Lás07]. **bound** [AFS09, BGS00, BFH$^+$08, BV00, BH08b, CCRS08, Che04a, CH07, cD03, Das04a, DB05, Das07, Das09, Eis06, FLQ04, Guo05a, HOZ01, KP01, Kir03a, KN09, Li08c, LB04, LLT06, Luz07, MV04, RSR00, Roj07a, SHWR02, Van07, Wan09c, Wan03b, YLT05a, dSS08]. **boundaries** [LSH08]. **Boundary** [AD02b, BdPT08, Bol02, BS04c, CWW09, Cap01c, CSSZ01, CH01, CY00, CNP02, CN09, CCG01, ĆDR01, FJ03, GS04b, HdABC07, JY07a, JY07b, Kru04, Li06b, Mou06, RS05a, SS06e]. **bounded** [BF08, Buc06, Dra08a, Dra08b, Lás03, LT07b, LT09, Mol02, Nik08a, PR04a, SS08a, Wer08, Wie01, XH08]. **Bounding** [Gol06, Ste03a]. **Bounds** [EvdD08, Fan07a, GH06, Gil04, HT03, HL02, Kol09, KH01b, LY06, LLT05, Ma09, Mor08, Nik07a, Nik07b, PT06b, Shi07a, Thi04, Ves03, YSS07, BS00a, BZ00, BJ09a, BHS06,

CS03b, CW07a, CW07b, CKW08, CM01, CL04b, CL01b, CG07b, Das04b, DSW07a, DMM00b, Fio05, Fre04, GB06, Gre09, GJW02, HL04d, HLS00, HW07b, Ind09, Ips00, Ips03, JN06, Jai07, Kol08, KAP+03, LP01c, LHSL07, LCW09, LHF06, gLgWmW08, LzZT07, MVV08, MSF05, MK03, MK05b, MK05a, NX04, Pan02, PR01, PP01b, RA08a, RS02, RO02, RR04b, Roj05, Roj06b, RM06, RR07a, Roj08a, Roj09a, Rum01a, SM09a, SS07c, SW04, SS00, SS03c, Sou05, Ste02b, Tia02, Til03, Ton04, TS06, Wal05b, WV08, WLBZ06, Wu05a, Wu06b, Wu08b, XX09, Yam01, Zha04f, ZH02, dSR05]. **Bowen** [Che09, MSR06]. **box** [CEK+01]. **bracelets** [SH08]. **Branges** [AD03b]. **Brauer** [Kol03a, SR06]. **breakdowns** [RS06b]. **bridge** [Qui07]. **brief** [BHN+07]. **Browder** [Cao07a]. **Brualdi** [vdD09, BBCH08, HWKS03, HP07]. **Bruhat** [BD07, MH07]. **Brune** [ABDD01]. **Brunovsky** [BBdH09]. **BTTB** [FH06]. **building** [CM09]. **bundle** [Gra04a]. **bundles** [KKL08, KK01]. **Burnside** [LR04, Lon04, RRY04]. **Burr** [MPS06]. **Bursts** [Jai06, JN06]. **Busemann** [FF04b]. **Bush** [Par02b]. **Byers** [Meh08].

C [FJ02]. **C-S** [FJ02]. **Cache** [BZ06]. **Caen** [LP01c]. **calculating** [MZ06]. **calculations** [HO02, Nör03, Str01, Zar06]. **calculus** [BR00b, Bul08, Dru08a, KS09, Kra05]. **Call** [Ano02q, Ano02r, Ano03v, Ano03t, Ano03u, Ano04u, Ano04v, Ano04t, Ano05p, Ano05q, Ano05r, Ano06f, Ano06g]. **Cambridge** [Rod09, Tům06]. **Campbell** [BC04a]. **Campopiano** [Jai07]. **Campopiano-type** [Jai07]. **Can** [BG02, BD01b, BD06b, BW05, Nar05, Ste00b]. **cancellation** [DN05a, DN05b, OS09, OA09]. **cancellative** [RGG01]. **cancer** [CCW+08]. **Candecomp** [BSD09, SS07f, Ste09]. **Candecomp/Parafac** [BSD09, SS07f, Ste09]. **Canonical** [BBS06, BKU06, BRS00, DNR04, GH09, HS06a, HS08, LR05b, PHO07, Rod07, Ser00, Ser08, TG02, BOP08, BPZ08, Dri04, Dru02, GS04a, GH00a, Hol00, KPK04, Kob05, MH07, OO00, PPF02, RS01, Ser04, SMS09, WW08b, ZM03, dMFZ09, vdW02, Rod08]. **capability** [KP09]. **Caractérisation** [BR00a]. **Carathéodory** [AD03c, AD04, ATV07, ATV09, BKR04, HdABC07, Las06, Woe02]. **Carathéodory-Toeplitz** [Woe02]. **cardinal** [RR05]. **Carlson** [CF02]. **carrier** [LCP02]. **Carroll** [BSD09]. **Cartan** [Cos07, XX03]. **Cartesian** [BK00a, CHL02, Gol09, KSH08]. **case** [AH08, Alf05, ABDD01, BBdH09, BF05, CMP03, CH00a, FKS09, FJ02, FJL08, HB00, HDB00, JDS03a, KN09, PM00, TR03, Val00, Yua00]. **Cases** [Nie04b, BdHZ08b, DTGV06, FKRS09, Ney06, OTZ09, RS01, Van04]. **catacondensed** [Rad03a]. **categories** [Kra03a]. **category** [Gun03]. **caterpillars** [Sta09a]. **Cauchy** [BKO01, GVD08, Lee09a, PZ00, VS04b, Wad07, YYZ05, zY08, YC00a]. **Cauchy-like** [PZ00, GVD08]. **Cayley** [AD03a, BR00b, HT08a, HT09b, Hig08, Ili09a, Kah06, Kon08, Košš03, RS05c]. **Cellular** [XX03, CCG01, PPZ02]. **center** [Yah06]. **Centers** [OS03, CT01]. **Central** [CK04, Che08, FKRS09, HKKZ03, HKKL05, WSL02, Zav08, ZHZ08]. **centralisers** [Haz05]. **Centralizers** [WL07]. **centrally** [CMX05]. **Centro** [HR01, HR03a, XHpS06, ZHZ03]. **centro-skewsymmetric** [HR01, HR03a]. **Centro-symmetric** [HR01, XHpS06, ZHZ03]. **Centrogonal** [KS00b]. **centrohermitian** [FI03]. **Centroid** [BAL09]. **Centrosymmetric** [DS03b, HR03a, FI03, GR07a, Han07, Hei01a, Mel00, pPyHZ05, RR04c]. **Certain** [Chl06, AKYD16, ALMS06, AHLR09, BBL03b, BFH04, BPR03, BDG08, Cao01, CSWM01, Del01, EN09, Fen03, FT07,

eFLW09, FK07, Gra02, GT09, HNX03, KD07, Kol09, KBdP07, Lav03a, Lav03b, Lav05, Nie04b, Nis02, Ose08b, Pou01, PH09, Roj06a, Roj09a, ZPY06, ZG09]. **certaines** [Del01]. **Cesaro** [FKS02, Yan02a]. **CF** [Hag07]. **Chain** [LW03, CNX05a, CM00c, CM01, GL05b, Hun08, Hun09, PW04, Shi01, dW03, Ste07a]. **Chains** [Bar01, Ben04, BM04d, CZ08, CNF08, CDS08, DHFS00, DHZ03a, GS09d, Har06, Hun05, Hun06, KN00a, Kir04, KNX07, Kru04, MS04b, MSF05, NX04, RA08a, RT03, Ser04, VM04, Wil07, Xue01, Yan02a, Yan09a, Zha04e]. **Challenges** [Ano02s, Uhl00, Uhl04]. **Chan** [CJ04, CJW05, CJ05, JW08]. **Chang** [BSD09]. **change** [BdHZ05, BdHZ08b, BdHZ08a, DS08a, DS07, Sav05]. **changes** [Bo02]. **chaotic** [FKN02, Fur02, Lin07]. **character** [HB08, Pre05]. **characterisation** [KM04]. **Characteristic** [CDS01, DW05a, Hol08, KK01, LK00, Rad03a, Alf06a, pBlWyXwA08, BBS06, Bor06, DSW07b, Eld02b, EV05, FGWG07, Gao03, Gil04, Gil08, HT08b, KKL08, KT08, KZ03, OdAJ02, TMARAE$^+$07, Tup09, Wat04a, Wu08d]. **characteristically** [BC03]. **characteristics** [MM08, Rod06]. **Characterization** [BCEG09, BT07a, Čer09, CZ00, DK07, Tre04a, Tre08, YLT05a, ZGL09, ZX05a, ACK05, BL04, BvDK08, BLL03, BG09a, BD05, CW03a, CT04, CL00b, Das04a, Das07, Dri08, DRR02, DD05, DL05, GOTR07, IPP07, JS01b, KTKR06, KLY09, Luz07, MS05, NT09c, OS01, Omi08a, Omi08b, Omi09, Peñ03b, RBTR09, SSSG06, VR06, WX06c, WX07a, WHBM09a, ZM03, Zha01, Zip03]. **Characterizations** [AH09a, BH04, BT05b, BKS03, BG06, DW09a, GM04, Lu09, MK03, Peñ04, Sch08, ACV09, CT03c, HLZ08, TY07, Tar05]. **characterizing** [Bak04a, BLNP01, Smi01a]. **characters** [HLS00, Pou01]. **Charles** [Bar05]. **Chebysheff** [LdlP09]. **Chebyshev** [EFS01, EF07, Hei01a, Li01, LA05, Li08a, Pug04, rWQ02, WlW07, YLZ09, Zyg02]. **Chebyshev-Hankel** [Hei01a]. **checkerboard** [ACDR04]. **Chen** [Tům06]. **Chevalley** [KKK07]. **chief** [Hof08, Bru00, Bru02a, Bru03a, Bru04, Bru05, Bru07, Bru09a]. **chirp** [Yer04]. **Choice** [AG08]. **Cholesky** [BB05c, PVV08]. **chordal** [Qi09]. **Chromatic** [Big02, Nik07c]. **Chvátal** [JK06b]. **circle** [AADL03, CMV03, CMV05, FMM01, Par09a]. **circles** [Kol05, Var04]. **circuit** [RM09b]. **circuits** [LRWW07]. **Circulant** [Doo02, ALSS08, ACM03, BS08, CDS08, CR02b, DDvG05, KSU03, Kov02, Mul05, OT06, RS03a, RR04c, RS09, SS06b, Sbu05, Sbu08, SSMQ$^+$00, Shp06, SS05b, ZJL02, WJL02]. **circulants** [Tre09b, Tre09c]. **circumdiameter** [DOvdD05]. **circumscribed** [GW04b]. **CIS** [AGI00]. **Clar** [AA07]. **class** [Bag06, BM01a, BN05, BPR03, Bol02, BS04b, ÇS02a, CZ07, CGD05, CQ08, CS05, Dug05b, Dun07, EG03, EL01, FL07a, FP07, FH04, FJ02, FJ05, GKL07, Guo07a, Ha03, HT08b, HvdH07, HHT06, HL08a, JSU03, JY07a, Kat04, LMZ03, Li03, Nak03, OTC03, OS05, pPyHZ05, Pat04, RO02, SS07b, SC06, Shi06, Sol06, Sza07, YMP01]. **Classes** [BCGM08, FGL$^+$00, MR01, Aga02a, AT00, ARR06, BLNP01, BL05, BKS03, BEH$^+$06, De 08, ĐZ04, Ell04, EK08a, FJ02, FJ05, GS09b, Hog03, Hon06, JS04, JS01b, JKRT02, MM03, Mil03, MND01b, Nab07, NY00, ND05, OdAJ02, Pou01, RS06a, Sch08, Ser09, SSG04, Tad06, VLA03, VLAOVL08, Wu05c, Yan06, Yan07]. **classical** [Bou06b, FKS09, GWL09a, GLW09, GW09b, HNT03, HPP00, Joh05, gLxW02, Rob05]. **Classification** [BS01, FS07, Živ06, Est05, Han03, NT08d, Val02b]. **classified** [Kir05]. **Classifying** [DMD03, BLS05, BBL$^+$05]. **clean** [YZ07]. **Clifford** [BKU06, Pap00]. **clique** [AJF09]. **cliques** [AGM09, Row07]. **close** [BMS07, EH03, WHAB08].

close-to-Schwarz [EH03]. **closed** [BPS07, Dau08, DNR04, EdRM04, GS09c, Hon02, Hon06, LR05c, Mir03, Val08, WZ07]. **closed-shells** [Dau08]. **closer** [CL03c]. **closure** [Che08, Dug04a, Dug05a]. **closures** [BB03b, Ser07]. **Cluster** [Ovt06a, Ovt06b, Ovt06c, DW05b]. **clustered** [AdLV06]. **clustering** [FT00, SK08a, VWD08]. **Co** [Row07, Wan09b, AGM09, Sav03, Sav04, Sav05, Sav06b]. **co-** [AGM09]. **Co-cliques** [Row07]. **Co-maximal** [Wan09b]. **co-order** [Sav03, Sav04, Sav05, Sav06b]. **cocharacter** [BC00]. **cocharacters** [Mat04]. **Cochran** [Lešo4]. **cocircuits** [Lem04]. **cocirculations** [Kar05b]. **cocycles** [HN09, ZFW06]. **Cocyclic** [MW09]. **code** [HK02a, Wu06c]. **codes** [CG00a, CHP07, CHP08, FZ04, GL05a, GLS07b, HST08, JNL05, Jai06, JN06, MOS07, Par02b, PR04c, Rvz09, VR06]. **codeterminants** [Doo02]. **codimension** [GZ07]. **coding** [CKZ05, FP04, Jai07]. **Coefficient** [SSSG08, Brü09b, Car04, CC03, JL03, Tre09a]. **Coefficients** [AK09a, AH04, BG09b, BD01b, BD06b, Ful00, II09, Ili09b, LRR04, Moh07, Pit09, SI09, TMARAE+07, ZLC09]. **Cognitive** [Per03]. **cograph** [CHY08]. **Coherence** [CL02b]. **coherent** [KMMZ04]. **cohomology** [GR03, Wym02, Zus05]. **Coimbra** [dOQSZ06, dSQS00]. **Colin** [Gol09]. **collapsing** [PL08]. **Collatz** [AGDR05, TS03]. **collections** [Yah08]. **collocation** [CP03, KH01a]. **colored** [GS05, GS09a, HL08a]. **coloring** [SG08]. **Colorings** [Dia02]. **Column** [BSKS05, BGJS06, BBD+08, BDD+01, Dax00, HV08, Joc09a, Joc09b, JS00b, MW03b, Ste09]. **columns** [CSZ01, Hei02b, Ned01a, SLP01]. **columnwise** [BB07a]. **combination** [HGC07, Rab04]. **combinations** [BB00, BBS02a, Bak04c, BB04b, BB04a, BBÖ04, BBG06, BB07b, BT05b, BT05a, KR06]. **Combinatorial** [CFN04, CT04, vDS05, vdD09, BSW06, CK02, dST06, dSQS00, HKSS03]. **combinatorics** [But03]. **come** [FMM01]. **coming** [NCV08]. **Commensurability** [JKRT02]. **Comment** [XLG+13]. **Commentary** [Bar05]. **comments** [BS05a]. **Common** [LS07a, LŠ09a, Val08, Xu08, And04c, AP04, CL03c, DTGV06, EMT05, KM04, KN06a, KS06a, LS07c, MSS07, Sci09, Tsa01, vdW03]. **communication** [BSL04, CCM00, HLW06, YFK05]. **communications** [DPZ06, SSW05]. **commutant** [Bra07, KR05]. **commutants** [Bra07]. **Commutative** [GM09b, OZ03b, OZ03c, Bal00, BBC00, CW00a, Cao01, CT03a, CZ05, CHASG02, CKK08, CHP03, Don01, HL07a, HB08, KVV09, LM09b, NDS02, NY02, OWY07, PH04, Pro05, RGG01, WY06b, WY06a, WYZ07, Wan09b, WL09a, XCX01]. **Commutativity** [BB02a, CCH02a, Lin03, Šem08, BK06a, CI09c, LL08c, Pet02, PS03, TTM02]. **Commutativity-preserving** [Lin03]. **Commutator** [Hir09, BW05, BW08b, Hoo07, Lás07]. **Commutators** [Nie09, Bot06a, DRR02, FMS01, FMS05, Kit09, Zhe02, ZY02]. **commute** [BT05a, GH09]. **Commuting** [Abd08, AR06a, GS00, AGHM04, AMRR06, AEI00, BBÖ04, BB07b, Bou07, CM00a, Fre04, HO01, KP02, MA06, McC01, Nov09, Oml04, Šiv08, Ste05a, Tic05, Val08, LL08a]. **compact** [ES01, Had04, Haz05, LS02c, LS08b, Shi01, Yah08, ZZ05]. **Compactification** [She00]. **compactifications** [FF04b]. **Companion** [GW04a, ASK+08, Baz03, Bos02, Bos07, Cal08, Fie03c, GW07, Kes00, Lin02a, TR03, Wim01, Win03]. **Comparison** [BKDL01, BS07, CM01, LT04a, LS01, MS00a, MN08, Pry09a, SSA05, EvdD04, FGR04, Joc09b,

Lin02b, Mar02, Mol05a, SBM05, Stę00a]. **Comparisons** [LEL02, EFN+03, JY07a, JY07b]. **compatibility** [Mol02]. **compensation** [BMS04, BMS08a]. **complement** [AAB+07, BS04a, BZ03, DH02, IK09, JMT04, Kra05, Lu02c, ST08, Sta07, Wat00, yZtLC06]. **complementable** [MS04c]. **Complementarity** [GP00a, HT09a, Bal07, CSY01, GSR03, Kak08, MM05, MND01a, PK08, YLX09]. **Complementary** [DJ06, Fie04, MPS00, Bén02, FG03, Par09a, Seo00]. **complementation** [LM01, SG09]. **complements** [BBS04, BN04, BGKR05, CMS02, CRS07a, FN01, Fan02, Gol03, Hog08, LHZ04, LH04, LLHK08, MS04c, Neu00, RJ02, Row07, Zha00, yZXtL07]. **Completable** [AC03, DJKM00, JTeG09]. **Complete** [DJL01, ZOE03, BCSV06, But08, CS03a, Hig00, MS03a, OvdDV00, WM02, WM03]. **Completely** [BX04, BX05, HHY04, Xu04, Auj03, Bar01, BB03a, BAD09, Dam04, DA10, DJKM00, Gol03, LT03b, PR04a, RSW02, YH00a, YH00b]. **completely-positive** [RSW02]. **complètement** [BCSV06]. **Completing** [Spi00, Tia00]. **Completion** [Cra09, KC06, MHZU05, Zha06, AHW05, AY08, ATU03, ATU04, ATU05a, ATU05b, BEH+06, CDS04, Dod08a, Dod08b, DJKM00, EG04, Fan07b, FKM02, Hog01, Hog02, Hog03, HJR05, Hog07, JS00a, JTU01, JT04b, JTeG09, Kro01, LM04a, MS00b, OB01, QC04, Smi08a]. **Completions** [DH00, JTU03, OCK09, Alf03, Alf05, ATU06, BW01, FJTU00, GR00, HHW00, HLT04, Hog00, OCK07, Qi09, RDxC03, Urb04, Woe04]. **Complex** [Kal06, ASK+08, Aga02a, Bér05, BM04c, BV00, BPT09, BGGC06, CHL02, Chi04, Cof03, Dan06, Dra05, EH09, GŞV02, GG09, GH09, HT09b, HDB00, HS06a, HW07b, JLN08, JKLP03, LS07a, Lip01, MP05, MS05, RS03b, Rum03b, SSW05, SS05a, SLR06, Wat06, Yeu04, YLZ06, dSR05, Rod06]. **Complexity** [BS03a, BLG01, CCM00, FF02, Sat08, dW03]. **component** [Omi08b]. **components** [BSD09, LSF09, MD02, Sem07, Ste00b, Ste02a]. **Componentwise** [MS04a, CLL05]. **composed** [DKS04]. **composite** [BRR01, SG06, Yag01]. **Composition** [Eld02b, Abd05, BKLM06, DJ01, Eld00, FQ04, HN04, KYAA08, Mat01, PW04]. **compositions** [GV09a]. **compounds** [Pat08a]. **compression** [Aud06, Aud08, CKŻ06, GW04c, LMV03]. **compressions** [AM02, Bou03a, Lim07a]. **Computation** [BFH04, BMP00, CR02b, Fer07b, Ser04, AVV05, BR06, Bor08, BDKW04, DMMV09, Hig00, KPK04, KHG04, KM04, Mae08, Ois01, Pan00, SS03a, ZJL02, Par09b]. **Computational** [Cen06, Rum01a, BLG01, FG02, HHM09, Kol05, WSW06]. **computationally** [FK04]. **Computations** [BGM01, Moh05, BB03c, Kra03a, PZ00, WWQ04]. **compute** [DP04, vdW01]. **Computer** [Plu01, CFM03]. **Computer-assisted** [Plu01]. **Computers** [HM02, Vin00]. **Computing** [CGGGSR01, DTGV06, Eic04, FI03, RS06a, Roj09a, VLA04, Boj03, CD00b, Dri04, GT06a, KYAA08, Kri05, MM03, MVV08, MSW09, OS00, PS07, Sch09c, Wil07, Wu06a]. **comtrans** [IS08, IS09]. **concatenated** [CHP07, CHP08]. **Concave** [Kar05b, DH03]. **concavity** [Bou06a, GRB04, Wan03a]. **concept** [Bak04b, LMMT01]. **conceptual** [Uhl03]. **concerning** [AKYD16, Bot06a, COvdD09, Che08, Che04b, Che07c, CL00a, Dit00, Kar05a, Mah07, SN09]. **Concrete** [fur08b, SvW05]. **concurrences** [Bag06]. **condensation** [Abe08]. **Condensed** [Ste01a, AEI00, Ji05]. **condiagonalizable** [Ikr07b]. **Condition**

[GW03a, MS03a, gS02, BS00d, CR08, Gha01, Gus09, HP03a, JO02, LA05, NX04, Nik08b, NCV05, SS07f, TY09, Tis00, Var03]. **Conditional** [XS04, Udd09]. **Conditionally** [Mol02, CM09]. **conditioned** [FH01, KNX07, Kol02, Ots01, PPZ02]. **Conditioning** [Kir06, Kir04, NCV08, ÖA00]. **Conditions** [Dru04a, EFN$^+$03, BES09, BS00b, CWW09, CCG01, CHP06, GS04b, JY07b, KV06, KS06a, LS07c, MPS07, Mir03, OP05, Peñ04, QD09, Ste09, SS06e, TW05, VV06, WB01, WB08, XHpS06, Yan03, ZHZ03, Zit09]. **cone** [Alf06b, BPS09, CC01, Dah03, Dat08, Kal03a, LN06, MM05, Nie00, NT09c, Pat04, ST03a, She03, Tam04, Tar05, YH00b, ZG09]. **cone-preserving** [Tam04]. **Cones** [And04a, BPS07, BSS07, Ceg01, CPR03, CHP06, CL00b, CL07b, EMT05, GK09, Hil07a, Hil08a, Hil03, KFGK04, LM06b, LR05c, Lim07a, SSA05, SHS03b, SV06b, Stu00, SG06, TS03, Val08, Vil08]. **Conference** [Ano03-46, Ano07s, Ano09p, BBVR08, BLL06, BGKW07, IMS$^+$09, Pue01, Uhl04, dOQSZ06, KMS05c, Pac02, Ano04t, Ano05p, HKSS03, LWZ05]. **configuration** [Don01]. **configurations** [FMM05]. **Confluent** [Joh05, YH04b, VS04b, YC00a]. **conformal** [Abd05, ABR02]. **conformation** [DW05b]. **Congruence** [BS06b, BFJ07, CS09a, Cof03, ĐI02, FJ03, FJ05, FJL08, HS06a, LR05b]. **Congruences** [HS04, TW00, Wat06]. **congruent** [GHS09]. **Congruential** [FJ04]. **conics** [Nie04a]. **coninvolutory** [AMP07]. **conjecture** [Alt09, AKYD16, AGDR05, BSD09, BH08b, Che07c, Che07a, CL00a, DL09, DHH$^+$07, Dit00, GT02b, Hil07b, KG09, LS09b, LR02, Lás07, LY05, Lie09, LB01, LJ01, NT09b, PX03, SS04a, Wan09d, YYZ05, YC00b, Yon00]. **conjectures** [BHS06, Kle07, Zha04d]. **Conjugacy** [Ell04, For04, VLA03, Yan06, Yan07, EL01, NY00, VLAOVL08]. **Conjugate** [FI08a, ABR02, CI09a, FI07, GH09]. **Conjugate-normal** [FI08a, CI09a, FI07]. **conjugation** [LT03a, Tri02]. **conjunctivity** [Mil03]. **connected** [BZ02, BBC00, BM04b, BDD$^+$01, CZ05, LRWW07, LLY09, RR04a, SGS08, Ste00b, Ste02a, WD06, YC00b, vdH08b]. **connection** [CH01, McE02]. **Connections** [AB05b, Dod07, DS08c]. **connectivity** [BP05a, BL09c, DWD07, FKP03, GB06, KMNS02, Kir03b, LSS00, Mol06a, PL08, RM06, Roj09a, SGS08, YFL09, Zha07c, Zha09, dA07]. **consecutive** [De 00, PG01]. **consecutively** [RvdGM05]. **consensus** [ZTK09]. **consideration** [JN06]. **considerations** [CL01a]. **Consimilarity** [Lip01]. **Consistency** [WSL02, XDS08, XDS09]. **Consistent** [EN09]. **Constacyclic** [Rvz09]. **constant** [AFM03, CL00b, Fur06b, JL03, Pit09]. **constant-coefficient** [JL03]. **constants** [BD09a, Fen03, FT07, Ton00]. **Constrained** [Pop08, BL09a, BD03c, Čer09, DW00, GJW02, HHM09, JLMP02, Leš01, NPP00, Nie01a, OF02, pPyHZ05, ZyC03, Sch06]. **constraint** [Qi09, ST03a, ZHZ08]. **constraints** [CR07, GZZ00, HG09, LS02d, MOS07, Sch09a, Wu08c]. **Constructably** [Kir07]. **constructed** [KMS05b]. **Constructing** [Bai08, Bor06, BC07, BC08b, CFRS02, dSF09, McC05]. **Construction** [AFK02, KMZ00, LŠ07b, Sch00a, Yin04, Yin05, Ala05, CFKP08, Han02a, JLY09, OT06, yPyHZ03, Pit03, RS03b, SLP01, SSW05, Sot03, Wal09]. **constructions** [CT09, SH00a]. **Constructive** [Uhl01]. **contain** [GW03a]. **containing** [BPT09, GJR03, LN08, LP09]. **Containment** [Lin02a]. **contains** [Fer07a]. **continuation** [Reb07]. **Continued** [RL03, EK08b, RK00, Van04, Zyg02]. **Continuity** [gLgWmW08, LY09b, Bal07, HMR09, HM06, RA08b]. **Continuous** [GGL08, GL06, Car09, CFL05b, DSW07a,

FLPW07, IV04, Igl01, MA03, MZ08, RY08, RO02, SV07, Xu06, Xu07].
continuous-discrete [RO02].
continuous-time [CFL05b, Igl01, MA03, SV07, Xu06, Xu07].
Contour [IBI09]. **contoured** [IWL07].
Contractibility [LS02c]. **contracting** [Wu08a]. **contraction** [Car04, CC03, LS08b, Lim09c, OS01, Pat08b].
contractions [And04c, Dru08b, GW03b, GW04a, GW09a, HNPT06, Kar09, LS02c, PP09, Val08, WGT09]. **Contractive** [Reu06, AD08, BB02b, QC04, Rod09, XXZ09].
contractive-valued [BB02b].
contraharmonic [Lim05c]. **contravariant** [Pat08b]. **contribution** [CI09b].
Contributions [NS08b, NS08c, Cal05b, GTT01]. **Control** [Myš06, AAA+02, BBMX07, BF07b, BHRV02, BRS00, But06, DH01, Dam02, FN07, FB05, FH04, FS02, HT02, IK06, Jef05, LV06, MZK00, PGRO06, Sil00, Ste01a, SK08b, TM00, TVB08, Wan07b, Xu06, YWS00]. **controlability** [CDS01].
Controllability [BRR01, DS08c, AD02a, CCZ06, JTU01, PP02, PPZ05, VZ02].
Controllability-observability [BRR01].
controllable [CG00a, PPZ05]. **controlled** [GV06a, Ois01, Ots01]. **controller** [Sch02a, YWS00]. **converge** [AY03, DL92, DL01]. **Convergence** [BW03, CW00b, Fri06, Fur05a, LWZ09, MM03, Mat02, RK00, VWJ08, Wan01, WB08, Yan02a, AM04, BC04a, CKMS02, CHP06, KN03b, Leš01, LZ09c, LWWZ08, LMT09, MS00a, MP06, MH06, Ney06, Pry09b, Pul07, Til03, XZ06, ZBY09, dMR07b, Ney01b].
convergent [She00, WB01, Yag01, ZZY06].
convergents [EK08b]. **converse** [Alz01, BT07b, KL07a, Mal01a]. **converting** [CD06]. **Convex** [CL07b, Han02b, LRY05, ATV09, AS03, AB07, BKDL01, BF05, BB05c, BDD+01, CL00b, Dax06, DB06, GK07, GB06, HT07a, JP04, MOSZ02, Nar05, NS08b, NS08c, OT09, Pue07, Sch02a, Tik06].
Convexity [Bae07, GJK04, MLR00, PR02c, Bek04, Bul08, GRB04]. **Convexoid** [Bar02].
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copositive [Bom08, HJR05, Hog07, JR05, Kap00, MND01b, YH00a]. **copositivity** [Bom08, BD08, Kap01, jYxL09]. **Copson** [CW07a, CW07b, CKW08]. **corank** [vdH08a]. **core** [CFJ01, HS07a, TBK09].
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correspondence [Bén02, CC06, GHI09, GvdV04, vdVN00].
corresponding [AMLM+09, BS00d, DHZ03b, HN09, MM08, SS03a].
Corrigendum [DL01, JS07b].
Corrigendum/addendum [DL01]. **Cosine** [NCCY00, PT06a, PT05]. **cosines** [Pas01].
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cospectral-congruence [FJ05].
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KPP07, LM09a, Mue09, MS02b, Nik06a, Nik08a, OS03, Ste03a, TFZ08, YL08]. **degrees** [CD00a, Nik06b, Pre05]. **delay** [CP05, FS02, JH09, MGWN06, OTC03]. **delay-differential** [JH09]. **delays** [Sun02, Yer04]. **deleted** [SS08a]. **deletion** [DS08a]. **Delsarte** [Luz07]. **Denjoy** [LN06]. **dense** [BGGC06]. **Denseness** [EKS01]. **densities** [BDKW04, HO02, Mat05a]. **density** [BM01b, Chi02, FKP03, JN06, MT06, PR02c]. **dependence** [LDS07, Wal05a]. **dependent** [CŠ08b, MŠ04e, OP05, RvdGM05]. **depending** [BFPW02]. **Derivable** [ZX07, AH09a, HQ08, Wu09, ZX05b, Zhu07, ZXZ08, ZXZ09]. **derivation** [CC03, Fer01b, HQ09, KN00b, TX09, WL09a, dB00]. **Derivations** [Dun07, OWY07, WY06a, Ali09, AH09a, Bar02, Ben05, Cal05a, Cal07, CGN01, CLY07, DG02, DG03, Dug00, Eld00, Har00b, JW05, JGPI08, Kah04, LL09b, Lu09, QH09, ZJC04, ZY06, ZPY06, ZWC06, Zho00, ZX05a, dSG07]. **derivatives** [AD04, BJ09a, DH03, Dun04, Sen07]. **derived** [Drä03, Kra03a]. **Desarguesian** [Kes00, Kes07]. **descent** [BS09a, Cao07b, SdSW07]. **described** [FH07a]. **Description** [Del01, DMM00a, SvW05]. **Descriptions** [Sha09, BFPW02, FP04, Hil08a]. **descriptor** [BS00b, Brü09b, CCZ06, FS02, HMH01, Vir08]. **design** [EHR08, GM09a, Kle04, LV06, PWZ05, Sch02a, XM02, CFM03]. **designs** [ÁFMNW03, ÁFMNW06, ASK$^+$08, Bag06, Cal05b, DGN02, Dru04a, Kob00, LY05, MCEC06, MW08a, MW08b, SSW05, Udd09, vDS05]. **Detecting** [HTV02]. **Detection** [SLP01, BD08]. **Determinant** [Bap06, DP02a, AG00, AFM03, Bri05, CDJ08, DJ06, GHS09, Kra05, Li05, Myu09, NY07a, Nis02, NT06a, OvdDV00, Par02a, Sav06a, SXKM03, TW03, Wen09, Wu08d, YTI06]. **Determinantal** [Peñ01, PH04, BS05b, Che03, KP01, KBdP07, LSH08, LSF09, Mat03, SS05a, SLR06, SD00]. **Determinants** [Ano03u, BFL05, CP05, Fan03a, Mol08a, AFR06, BE01, BdPK07, BJ09a, BKLM06, CR02b, DMMV09, EN09, FLPW03, GN03, HK05, Joh05, KH01b, MSS08, RS06a, Sal00, jYzWbZ01]. **determination** [CS03a, Sta09a]. **determine** [Aga02a, BD01b, BD06b]. **determined** [BGO09, Bru02b, CHRS03, DH02, OT07, Sak01, SHZ05, WX06a, WX06b, Wil09, ZZ09, vDH03a]. **determining** [MZ06, WO05, jYxL09]. **deterministic** [Gue08]. **Deutsch** [KN09]. **development** [Abe08, Bak04a]. **developments** [Cve02]. **deviation** [BJ07, Nik06a]. **devoted** [Ano04t, Ano05-33]. **Dewilde** [EG01]. **Dewilde-van** [EG01]. **DGMRES** [Sid01]. **diagonal** [ALdV05, AdLV06, Bor06, BC07, BC08b, BW01, BPP08, Bru03b, CMV03, DJ01, Fie01b, Hog00, Hog07, HL04e, JMT05, JLN08, Kah06, Kes07, KN04, LLHK08, MS06, ML02, Mir00, MG09, NBdP08b, NS02, PV06a, Phi04, PES07, PVV08, PP09, SSMQ$^+$00, She03, SMK09, SN09, Tri02, Wan06, dF00, dSZ00b]. **diagonal-plus-semiseparable** [PVV08]. **diagonal-Schur** [LLHK08]. **diagonalisation** [Wir09]. **diagonalizability** [SG03]. **diagonalizable** [Bot00, Eis06, Nak03, OV06a, WLBZ06]. **diagonalization** [ADT06]. **Diagonalizing** [HPP05]. **diagonally** [CNX05b, CH07, Dah00, Kol03b, LHZ04, LH04, LLHK08, PP01b, Wan09c, yZtLC06]. **diagonals** [CT01]. **Diagrammatic** [Kul01]. **diagrams** [GPS01]. **dialgebras** [FLROV05]. **Diameter** [lHH08, AT07, BFS08, CdFM08b, Guo06c, GS06, Guo07b, LL09a, LLT07, LzZT07, wThY09, YSL08, ZSL09, ZLS09, Zha07c, vD07, vDK07]. **diameters** [AMRR06]. **dichotomy** [GS03a]. **dictionaries** [AEB06]. **Difference** [Har00a, BFH05, BCS02, BAD09, Bur06, Den09, Di 03, DHZ03b, HZ03, JY07a,

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differentiation [Lom07b].
differentiation-invariant [Lom07b].
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Tre03a, Tre03c, yZXtL07]. **distributions** [CM09, GHO02, Hun05, IWL07, MP05]. **distributive** [Tan01, Tan03a, Tan05a]. **disturbance** [CH00b, CFP09]. **divergence** [FS06b]. **divergent** [APESS06]. **Divisibility** [Hon08, BK07, KH08]. **Division** [WY05, HC06, HL07c, HL08b, HL08c, JGPI08, RRY04, WZCL08, Yah06]. **divisor** [Kat04]. **divisors** [DTGV06, HC03a, Hou03]. **DNA** [FNC06]. **Dobrushin** [KN09]. **Dodgson** [Abe08]. **does** [Guo05c, WHBM09b]. **dog** [Bar01]. **dog-ears** [Bar01]. **Dolezal** [Gra04a]. **Domain** [Whi00, Bıy03, DGLS01, Yag01]. **domains** [ALC06, BHL$^+$04, DH06, HAT03, Kat04, Rao09]. **dominance** [MG09]. **dominant** [CNX05b, CH07, Dah00, Hor02, Kol03b, LHZ04, LH04, LLHK08, PP01b, Wan09c, yZtLC06]. **domination** [FYL06, LLT05, SAH08]. **d'opérateurs** [Del01]. **Dose** [ZM08, CCW$^+$08]. **Dose-volume-based** [ZM08]. **Double** [CNSM07, OT09, CHN06, JDS03a, McM09, PJ07, ZTK09]. **double-integrator** [ZTK09]. **doubles** [MT04]. **doubling** [CFL05b, HL09]. **Doubly** [HP01a, ABH03, ATU05a, BD03c, BAD09, Dah03, Dah04, DJKM00, Fan10, HP04c, HL04e, JMT05, LT04b, LHZ04, MMX04, Mou06, Nie04b, PV06b, SH02, XLG$^+$13, Zha05d, Zha09]. **down** [CP06]. **dqds** [PM00]. **Dragos** [vdD09]. **Drazin** [Bu05, CGD05, CXW09, Cui07, CIDW06, CI08, CI09c, DW09a, Den09, DW09b, DD05, GKW00, Gon05, HWW01, KKP07, LW07, gLgWmW08, PP04a, PS07, PG04, RW02, Sid01, SD00, Wan02, Zha01, ZZJ08]. **Drazin-inverse** [Sid01]. **Driessche** [Ano04u]. **driven** [IL06]. **Dual** [LW00, Alf08, BS02b, BFP07, De 07a, De 08, De 09b, gLxW02, Lom09, SG06, TK09, Tup08b, Tup09, XDS09, dSS08]. **Duality** [CGQ04, PW08b, EGMG07, Hol00, IBI09, Woo02]. **duals** [CJPS02, LM06b]. **due** [DS08a, FFN$^+$07]. **dumbbell** [WHBM09a]. **Dunkl** [PR07]. **duplicate** [Qui07]. **Dym** [Rod09]. **Dynamic** [ALC06, ALCT05, DHZ03a, GPFC04, HAT03, KS06a, SdL03, Sun02, Wu06a]. **Dynamical** [AFR06, ACK05, Bad08, BS06a, BKS01, BK01, ÇS02a, Fre08, Gug08, PV06a, Pen06, RW06]. **Dynamics** [Bon09, Daw02, DW05b, Igl01, OCK07, ZTK09].

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effective [RP05]. **effects** [Mol03]. **efficiency** [ACDR04]. **Efficient** [CEK+01, GP07, JPB08, LMV03, MCEC06, FK04, WO05]. **Efficiently** [Sch09c, BC04b]. **eigen** [CKMS02, CKM05]. **eigen-problem** [CKMS02]. **eigen-structure** [CKM05]. **eigenbases** [NT07b]. **eigenbasis** [Ter01b]. **eigencomputations** [CCTT00]. **eigendata** [Bai08]. **eigendecomposition** [CG00b]. **eigendecompositions** [AB05a]. **Eigenfunction** [Gri00]. **eigenfunctions** [Gri04]. **Eigenmatrices** [MA06]. **eigenmatrix** [Zem06]. **eigenpairs** [yPyHZ03, SvdE03]. **eigenproblem** [LgS01, pPyHZ05, PVV08, Tan03a]. **eigenproblems** [BK06b, FMM01, Tre04d, Vos07, XHpS06]. **eigenprojections** [GKW00]. **eigensharp** [GM08a, Wat00]. **eigensolvers** [Ney09, Ovt06c]. **eigenspace** [Gav02, PT03, Tam04]. **eigenspaces** [PY09, Ser07]. **Eigenstructure** [EGO05a]. **eigensystem** [Hol02]. **eigensystems** [CLB09, DMM00b]. **eigentriplets** [Wu06a]. **Eigenvalue** [AB07, CLL07, HSZ08, JY07a, JY07b, JKO04, MSF05, AH03, BL09a, BPV00, BS00a, BCRS08a, BCRS08b, Bén02, BLLS06, BO05, BV07, BNV05, BMS04, BMS08a, BSS09, BHS06, CKLX09, CCRS08, Che04a, CLOvdD01, CHMM06, CO09, CP09, ĆDR01, Cve02, Das04a, DB05, DW08, DHH+06, DT03, DN00, DS03b, ELN04, Fan10, Fer07a, GGL08, GZZ00, GL06, GHM03, GV09b, GT02b, GT04, Guo04, Guo05c, Guo05b, Guo06b, HV03, HTV02, HT02, HP03a, Hol05, Hor02, HvP05, HP04c, JH09, JDS03a, JDS08, KN03b, Kol08, Lan08, LP01c, LHSL07, LCW09, LB00, LZS09, LM04b, LMT09, LQ00, MPS07, MVV08, Ose08a, PP08, Peñ09, PHZ06, PBA09, Phi04, PES07, RR04b, Roj05, Roj06b, RR07a, Roj07b, Roj07a, Sci09, SCS09, SHWR02, ST00, Sla03, Šmi04, Sol06, SBM05, SR06, Sot06, Sta07, Sta09b]. **eigenvalue** [Ste03a, Tis00, TMARAE+07, Van07, WV08, XLG+13, YFL09, Zem06, ZZY06, Zha04e, yZXtL07, ZHZ03, xZxGpL09, vdVN00, vdW01]. **Eigenvalues** [AG05a, BT09a, BH05, Buc06, Cio06, CS00b, CS03c, Ful00, Nik06a, Nik06b, Nik07d, Rum06, SS06e, AA09, AdLV06, AB03b, AB05a, AKYD16, BMNA08, BI03, BZ00, BS09b, Bol04, Bra03, BH08b, CSSZ01, CH03, CD00b, Che07a, CDS04, wCL04, CO09, CG07a, CFRS02, cD03, Das04b, Dru02, Dun04, Eis06, EH07, EvdD08, FL03, FWG08, Fan07a, FYL06, Fer03, Fer07b, Fur08a, Gol06, Gra05, Gra02, Gra04b, GG07, HT03, HL02, HLZ09, HS01, HW07b, IHM08, Jia05, JD02, JDS03a, JDS+03b, Kel08, KH01a, KD07, Kru04, Li03, LL05a, LSC09b, LG06, Lin02b, Lip05, LHF06, LS09c, Mal01a, Mal09, MS03b, MM08, McM09, Mon08, MZ06, NN01, Nie08, Nik07a, Nik07b, Ois01, Ovt06b, Pan02, PBT04, Pry09a, RSR00, RP03, RR07a, Rum01a, ST03a, ySZyY06, Ste07a, Ste03b, Ste04, THZ09, Til03]. **eigenvalues** [Toy09, TZ01, Ves00, Wal05b, WLBZ06, Wu05a, WZCL08, WSL09, XD03, Yam01, ZL03, Zha04f, Zha05c, Zho08, ZWY00]. **eigenvector** [Bap03b, But08, Das09, Hor02, PR00, Ye08, ZH02]. **Eigenvectors** [Zha05c, BMP00, DP04, DV00, Dun04, Fer03, HLG04, SS09a]. **elaborate** [CM09]. **Elasticities** [Kat04]. **elasticity** [CGGGSR01]. **electrical** [RM09b]. **electromagnetic** [BGGC06]. **electromagnetics** [WSW06]. **electron** [BM01b]. **electron-density** [BM01b]. **element** [BZ06, BKK08, FGWG07, Fer01a, NT08c, ST07]. **Elementary** [Hou03, Tur00, Bak04a, DKX03, Dug01, Dug04a, Dug04b, Dug05a, Dug08, FKM02, Haz05, Joc09a, Joc09b, KO08, LJ04, LL05b, LL08b, MZ04, Nör03, Sed01, Sed07, Tre04b, fur08b]. **elements** [BPP08, CNR00, GKvS04, LP00, Mir00, Mol06b, MDK09, MD09, NY00,

Ros05, Tri02, XJ08]. **eliminated** [BT00]. **Elimination** [GML09, ACHR01, ACDR04, CP07c, GT02a, Gem08, KMS00, Yeu04]. **ellipsoid** [BNT05]. **ellipsoidal** [ZGL09]. **Elliptic** [Cal08, HV03, Fie01b, GW03a, HTV02, KH01a, Li01, NN01, NCV08, Plu01, XJ08]. **elliptical** [Liu02a]. **elliptically** [IWL07]. **Elsner** [LR02, Ste04]. **Elsner-like** [Ste04]. **embeddable** [De 09a]. **Embedded** [Har06]. **embedding** [De 07a, De 08]. **embeddings** [De 09a, De 09b]. **Embree** [Böt06b]. **Embry** [JKLP03]. **emission** [AG05b]. **emphasis** [FMN04]. **employed** [Gri00, Gri04]. **enclosure** [NN01, Ois01, Plu01, Toy09]. **endomorphism** [Lip08]. **endomorphisms** [CHPP06, OZ03b, OZ03c]. **endpoint** [Ter02]. **energies** [Wan09e, WK09]. **energy** [AG08, AGO09, Bal04, BS08, DS08a, GZ06, Gut08, GKMZ09, Hae08, HGW02, HW07a, Ili09a, Ind09, KTR08, LZ07, LL09a, Nik08a, RT03, Rad09, Shp06, YL06]. **engineering** [HFR04]. **Enhancements** [Kom08]. **Enriched** [CRS03]. **ensuring** [Bén06]. **entangled** [Ter01a]. **entire** [Gil04, Gil08, GKL07]. **entries** [CL09b, CHRS03, Dug08, Hog07, Hor02, Kir06, LR00, MSS08, NBdP08b, Nou06, PR00, Phi04, SHS03a, TRH01, Zha07a, ZH02]. **entropies** [Fur05c]. **entropy** [BLdP05, Bha03b, FYK05, Fur06b, HOZ01, Okn01, YKF05]. **entry** [Das09]. **entrywise** [FNS07, Hia09, KNR05]. **Enumeration** [Gew03, MW03b]. **Enumerator'** [Mül03]. **envelope** [BGM08]. **EP** [CT03c, DKP08, Lešo00, MDK09]. **Epidemic** [PSvdW05]. **equal** [BSD09, FKP03, GKW00, KMNS02, MW03b, PBT04, Tre03b, Tre03a]. **equalities** [AR06b, BDK08, CHL02, CLL07, LP01b, TS01, TS09]. **Equality** [Dat08, dCdS05, dSdC05, CP06, DW00, Dia02, GA06a, KN09, MZ08, Nie04b, PR07]. **equally** [Hol02]. **equals** [BFS08, Sta07]. **equation** [Bak04a, BKR06, BT04b, Bur05, CC09, CL03a, CX05, CNP02, DH01, DSW07a, Dob01, Dra07, DL08, DLT08, FPP01, FB05, GRB04, GHS06, GZHT05, Gro00b, Guo02, HES06, Ikr07a, Ili08, JKL09, KS01, KS05, KTKR06, LS07a, LS07c, Li06b, LZ09b, pLLfY06, Lim07b, Lim09c, LTT09, MHZ05, NZ06, yPyH03, hPyHZ07, RR02, RR04a, Sch03, SA02, Sty06, gSX03, gS03b, TVB08, Wan04, Wer09, WJL02, Xu01, YLF09, Zha03b, ZyC03, ZD05]. **Equations** [DK08a, DOS01, SS07e, AHLR09, AYC06, BLM02, BLM03, BILM06, BMP00, BKO01, BCS02, Cap03, Cec00, CCG02, CFL05b, CP05, CM08b, DJMS09, DvdV00, ESP05, FYY09, FLROV05, FG08, Fre02, FH04, GRV06, GPMSZ06, GKL07, GX09b, Guo07a, Har00a, HIU04, Has05, HI06, HP07, Hua00a, HL09, IHM01, JH09, JR06, JY07a, JY07b, JW03, KH01a, KAP$^+$03, Kra01, LL06a, LL08a, Lim08b, Lim09b, LWZ09, LG03, MM06a, MT02, MM06b, McC05, Mei06, Mul05, Myš05, Myš06, Ned01a, Neu01, NCV08, OCK07, Plu01, Prz02, Reu06, RS01, SS07d, Ste05b, Sty02a, Sty02b, gS02, SS06e, Tab01, TI08, TS03, Tov00, Tre09a, VB09a, WSL02, Wan04, WL09b, WvdWC09, Xu07, Xu08, XSG08, vdW03]. **Equiangular** [BPT09, Ren07, Kal06, Str08, STDH07, Wal09]. **equidistribution** [TZ03]. **Equilibrated** [Fie01a]. **equilibrium** [Gra04b, Ost06]. **equipped** [Zav03]. **Equitable** [Ter03]. **Equivalence** [BZ05, Fen03, FT07, PP09, RA08b, Ton00, ADT06, BFZ04, BS00b, CM08a, Fer04, FP07, FJ02, GPMT06, GLS07b, Had05, HAT03, JS04, LR05b, Lom02, Mil03, Tad06, TP09b, Xu06, Zob00]. **equivalent** [ALCT05, MR02b]. **erasures** [BP05b, HP04a, Kal06, Mas09]. **ergodic** [GAM06]. **ergodicity** [AM09, AK09a]. **Erratum** [Ano03-31, EFN10, HL08b, Yan07]. **Error** [Baz03, LS09c, AS02, Gha01, HLW06, HP03a, Kos00, Ovt06a, Ovt06b, Par02b,

PR04c, RS02, Rum01a, SS00, SS03c, Ste02b, Tis00, Yam01]. **errors** [CCTT00, PA04, Sen04, Udd09]. **essential** [BBS08, Cao07a]. **essentially** [NT09c]. **Estimate** [BS03b, Ho03, KN03b, LS09c, MH06, Mat05b]. **Estimates** [CNR00, HLS00, AC09, BS00d, HIU04, HI06, HB00, LD02, MT05, Ney01b, OTZ09, Ovt06a, Ovt06b, YLF09, Ovt06a, Ovt06b]. **Estimating** [CGPM01, dlPGR07]. **Estimation** [GP00b, MPS06, Mar02, AL09a, AG05b, CL04a, Chi02, JSWT05, Sch06, Vol04, WA09, WZCL08, Yer04, ZZ00]. **estimations** [TP09b]. **estimator** [PRP02]. **estimators** [Bak04a, GM04, HG09, HDA09, IPP07, LS02d, MD02, Wu08c, ZGL09]. **Estrada** [DL09, dlPGR07]. **Étude** [Fao01b]. **euclidean** [BM01b, AHW05, Alf00, AW02, Alf03, Alf05, Alf06a, Alf06b, Bae07, BB07c, Bal07, Bén06, Dat08, Dra06, Fie03b, GST04, GTM09, JMT05, KS07a, MG09, SdSW05, Str06, Tar05, ZG09, Zip03]. **Euler** [Lad08]. **Evaluation** [KM07, Nis02, AEEG08]. **Even** [Wu06c, BOvdD07, CW04, EV05, HP04b, Kun06, Liu03b, Mel01]. **even-odd** [Mel01]. **even-weight** [Kun06]. **Eventually** [NM04, HP01a, LM06a, ZM03]. **Every** [Rab04, Hei01b]. **evolution** [Daw02, Gue08]. **evolutionary** [Ost06]. **Exact** [CLB09, Dra07, RS06b, AHW05, CM09, Fer07b, GA06a, KMZ00, KN00b, NN01, OP05, VLAOVL08, VM04]. **exactly** [FGWG07, Fer07a, HLZ09, Peñ09]. **Exactness** [Hil07a, DS08b]. **example** [AAA+02, BBM02]. **examples** [fur08b]. **exceed** [Guo05c, WHBM09b]. **exceeding** [Lim05a]. **exceeds** [Gut08]. **exceptional** [Cve02, CRS07a]. **exchange** [Arn04]. **exchangeability** [FNT05]. **excluding** [WX06a]. **Existence** [Brü09b, ÇS02a, LPR04, RS03b, Sot03, AMZ06, AC04b, CPR03, CSY01, DL08, KN06a, KS06a, LS07c, Pan00, STDH07, Tsa01, TW05, YC00b, vdW03]. **expanded** [BRR01]. **expanding** [DR05]. **expansion** [FN03, RL03, Ye08]. **expansions** [Gin09, LS02a]. **expansive** [RA08b]. **expected** [CZ08]. **experimental** [Abe08, Dru04a, MCEC06]. **experiments** [CSK01, Kle04, Mar02, Stę00a]. **explain** [BM01b]. **Explicit** [EF07, Ji05, OP00, dFP01, AT00, BR07, CT09, Hua00a, KS06c, Lin08a, RR07a, TR02, ZD05]. **Exploiting** [RM09b]. **exploration** [DKS04]. **exponent** [CW03a, DOvdD05, FL07a, KSH05, KN00a, Kir00, LYY07, MNOvdD08, MZ00, Sch02c]. **Exponential** [OS00, Bha03a, DP00, Dru08c, HL04d, RS00, So04, TR02, TR03, ZW00]. **exponentially** [Ves03]. **exponentials** [Bou07, CM00b, CL01b]. **Exponents** [GS05, HL08a, OSvdD02, SS03b, SG08, GS09a, KSH07, Liu03a, PP09, SW03]. **expression** [KS06c]. **expressions** [Ji05, Tia02]. **extended** [AKL07, Gus00, Had04, JR09, KS09, KN06b, Nar05, Pop08, TY07, TY09]. **Extension** [MRR07, Min01, Pop01, AFL00, Bat06, BdPK07, BS04b, DH09, LWD09, Nie07a, Woo02, Yam06, Zav08]. **extensions** [Ahm05, Del01, FH07b, Fur04, GR03, GQ09a, GS09c, HBHS05, JK03, JW08, Joh05, Mal01a, Mos09, PZ00, SMK09, Yua00]. **exterior** [De 09c]. **external** [CS02b]. **extinction** [HLR08]. **Extraction** [Cho04]. **Extrapolated** [HT09a]. **extrapolation** [BZ03, Had05, HT08a, HT09b, JMT04]. **extrapolatory** [HMS01]. **extrema** [EF07, Ney01a]. **Extremal** [Das07, FKS09, LM06b, PES07, Pro08, Sak04, Zha07a, Bar08, BPZ08, Che07a, CL08b, DK07, Gol06, GZ08, JSWT05, LYY07, Nik06b, Row07, Wir02, Wu05a, dSS08]. **extremals** [BSS07]. **Extreme** [Gri04, HH09, Pat04, BLS02, BM04b, GRB04, GL06, HI06, KP08, Mir00, Til03, Zha03a]. **Extremes** [SHRC03, BGJS06].

Face [CdFM09]. **Faces**

[Tar05, Alf06b, Pat04]. **facets** [HP04b]. **Facial** [Kye03]. **factor** [BCPT05, CL09d, CI09c, FS07, HB00, MS00a, RZ01, ZYP05, ZFW06, ZZ08a]. **factorability** [Smi01b]. **Factorial** [CK02, Kob00, dMFZ09]. **factorials** [FK07]. **Factoring** [CQ08]. **factorised** [Ves00]. **Factorization** [ADL04, Gin09, Jøn09, LX08, McC01, ADL06, AMZ09, AT08, Bal00, BB03c, Bot09, BJ07, CM00b, CRU09, CFM03, CHNP04, CD00d, DvdV00, ES02, FM00a, FS06b, GT02a, GVD08, Hig00, HV08, Hon02, Kar05a, KY00, MP00, OP00, Pat03, PPP06, SS00, SS03c, SvKHO09, Ste06a, VWD08, YH04a, vdMSR01]. **Factorizations** [CK03, DKP08, Adu02, ABH07, DJM06, Fie08, GT08, Hao04, KVV09, LPR04, MG03, NS03, OS09, Pan00, PR02b, Reb07, SH05, WW08a, Yan09b]. **factors** [Bol01, CD00d, FKM02, Ha02, Har07a, Li08c, MZ05, PR02a, PR02b, RZ05, SSMQ$^+$00, Sil00]. **failures** [TM00]. **faithful** [Dom03]. **Families** [Fon00, BS03b, EE04, FM07c, GPS01, GZ08, KMS05b, LL02, Pet08, Tre03a, YZ07, ZW00]. **family** [AC04a, CFKP08, CKZ05, GZ01, GZ03, Mon08, PPF02, Ter01a, WX06a]. **Fan** [Fan07a, Hua08b, LC09, NV03]. **Fast** [Bér05, Bra06, CG00b, DMMV09, EG03, GVD08, GS04b, HV01, Ois01, PT05, Pot03, vdMRS06, BKO01, CFM03, EGG07, FM04b, HC08, LQ00, LG04, MM07, XQ08, YH04b, ZM08]. **fastest** [Ney06]. **fat** [Ano03-31, CGG02]. **Favard** [DS02]. **FD** [NCV08]. **feasibility** [HC08, JK06b, QX08]. **feasible** [LCP02]. **features** [Val02a]. **February** [Sch02b]. **Feedback** [BZ02, CSZ01, Dod05, RZ04, SS07a, ALCT05, ALC06, BFZ05, BZ05, BK01, CDMGP06, Dam02, DS07, DS09, EG02, HAT03, HZM02, LV06, MZK00, RSS00, RRH02, RZ01, RZ05, Ste01a, Sun02]. **Fejér** [AD03c, AD04, ATV09]. **Ferrers** [Dah03]. **few** [Wu06a]. **FFT** [Car09]. **FG** [Prz02]. **Fibonacci** [CHKS05, LK03, TR03]. **Fiedler** [Ano07n, BD05, BHN$^+$07, Hen07, KS08, Mol05a, SG09, Yon00]. **Fiedler-** [KS08]. **field** [pBlWyXwA08, BGL09, BBS06, EdRM04, FJ03, Gre02, MS00b, MZ08, Par02b, SS06c, SvW05, VW00, WL08, YY03, Zav08]. **fields** [AG00, Abd08, AMZ09, BS02c, BD05, Bu05, CFKP08, CSWM01, CS02b, Far08, MST06, OCK09, SvW05, Tup08a, VLA04, Wat01a, Zha04c, Zha05a, Zha05b]. **Fike** [wCL04]. **filiform** [AC03, BS01, GJMR01]. **filling** [CZZ09]. **filter** [CMX05, GM09a, Jia00b, Sen04]. **filtering** [DL04]. **find** [KMS01, KLMS03]. **Finding** [Amb07, Gra04b, Ple07, GZ08, Pet08]. **Finite** [BS02b, BR02, Fri00, GW03b, LRR04, Liu03b, LL06b, NY07b, Smi01c, Wen09, AAA$^+$02, AG00, Abd08, AJF09, AD03b, Arn04, BC08a, BGL09, BM06a, BF07b, BKK08, Cap01a, CFN04, CZ08, CHY05, CFKP08, Chl06, CL01b, CL02c, CD05, CS02b, Cos07, CRS07b, DvdV00, Di 03, Dom03, EG01, FZ04, Fao01a, FN07, FLRZ02, Gao03, GX09a, GKvS04, GN09, GW09b, Har07a, Har07b, JGPI08, Kar04, Kat04, Kes00, Kes07, Kin05, KPP07, LL02, LZ09a, gLxW02, MA06, MSR06, MR09, MT04, MW09, MST06, O'u02, Pră02, SS07a, SS06c, Sch02a, ST07, Tag04, Tre03a, VLA04, WSL02, WL08, WGL09, Wie01, YY03, Zhu08, vB09b]. **finite-dimensional** [Cap01a, Cos07, Fao01a, Har07b, JGPI08, MT04, O'u02, Sch02a, Wie01]. **finite-horizon** [BF07b, FN07]. **finite-rank** [MA06]. **Finite-reductive** [BS02b]. **finite-time** [AAA$^+$02]. **Finitely** [FM07b, AH09b, RGG01]. **Finiteness** [Lee09b, JB08, LS08b, ZG09, Zit09]. **First** [DDM08, AH04, CM00c, CHP07, FS07, Hof08, Hun05, Hun08, JL03]. **first-order** [JL03]. **Fischer** [BNdP09]. **Fisher** [GII08, IV04, KMZ00, KN00b, KS01, KMS05a, KS05, KS06b, KS06c, VWJ08]. **fit**

[BSD09, FLM02]. **fitted** [Nie01a]. **Fitting** [Nie04a]. **Five** [CMV03]. **Five-diagonal** [CMV03]. **Fixed** [SS09c, FG08, Guo06c, GS06, HV08, HL04e, JN06, LLT07, MW03a, NY00, Pet09, Rih01, Ros09, wThY09, ZWS09]. **fixed-point** [FG08]. **Fixing** [Lip05]. **flag** [AMLM+09, Arv08, Pue05]. **Flanders** [GJ04b]. **Flat** [BdPT08, CN09, BS04c, RS05a]. **flats** [CS02b, GN09]. **flaws** [SLP01]. **flow** [CDS04, Gla02, MA03]. **flowers** [Log05]. **flows** [AGKM09, DS03b, Dri04, DG07, GPFC04, GR07b, GR07a]. **fluence** [ZM08]. **fluid** [BILM06]. **fold** [KN03a]. **folding** [smbH02]. **follow** [Udd09]. **Forbidden** [HvdH07, Nik07d, SH00a]. **forcing** [Gro08]. **Forest** [CA02, AAGK06]. **form** [AC08, ACK05, BS02a, BBdH09, BBS06, BPZ08, CRU09, Cao09, DJL01, FI07, FH00, GS04a, Har04, Hol00, KPK04, Kob05, MH07, MSW09, Mue09, PH00, PPF02, Ral03, Sav05, Tan09a, Tre09d, Tri02, Zaï04, dB00, vdW02]. **formal** [BT04b, MT02]. **forme** [BR00a]. **forming** [PSvdW05]. **forms** [AEI00, Are09, BdlP06, BBL+05, BS06b, BM04c, BBK03, BRS00, CLOvdD01, CSWM01, Chl06, CFP09, DĐ05, ĐZ04, DV09, Dri04, EGG07, Eld02b, FYL07, FS07, GR00, GH09, GQ09a, GP00a, Har04, HPP00, HS06a, HS06b, HS08, KTKR06, KLY09, Lad08, LR05b, MT05, MW09, Meh00, MR02a, OS03, Obl08, Ose08b, PHO07, Pre05, Rod07, Rod08, Sat05, Ste01a, SMS09, TG02, TT09, Tov00, Tup08a, VC04, Var06, ZM03, dMFZ09]. **formula** [AKL07, BT04a, BC04a, BR07, CC03, EK08a, EK08b, GH00b, GS09c, Kle00, KS09, Koz09, Kra03b, LdlP09, Lim07a, Lin08a, Map07, RR07a, SdS09, So04, TP09a, Tka05]. **formulae** [BBT03, BB07a, DP02b, Fur05a, KMS01, KLMS03, KT08, NT06c, Ose08b, XH08]. **Formulas** [SH09, DS03a, DD02, TR02, VPV01, YH04b]. **formulation** [CD00c, Ren01]. **Fornasini** [BKS01]. **Fornasini-Marchesini** [BKS01]. **Foundations** [Vin00]. **Four** [Bul08, Str01, HMR09, HL05a, IO01, MZ04, Sta09a]. **four-block** [IO01]. **four-point** [HMR09]. **Fourier** [DV07a, DV08, McE02, NS03, SC06, Ste08, Tad06, Yag01]. **Fourth** [BHRV02, GN00, NT02]. **fourth-order** [GN00]. **fraction** [FP04, MR02c, RL03, Van04]. **Fractional** [Adu02, FS03, Bur06]. **fractions** [EK08b, RK00, Zyg02]. **frame** [CL01b, KL07b]. **Frames** [BP05b, CL01b, ACRS05, BPT09, CL02c, HJM09, HP04a, Kal06, LCN04, PW02, Ren07, Str08, STDH07, Wal09]. **framework** [CPPS00, HHM09, MA07]. **Franks** [Che09, MSR06]. **Fréchet** [Zob00]. **Fredholm** [GV09a]. **Free** [LR00, BM04d, Bri01, DW05a, FM07b, Lip08, NY00, Nik08a, Nik09, SS07c, VW00, YY03]. **French** [BCSV06, Del01, Han00]. **frequency** [Pfa08]. **Friedland** [Ano09r, BKR+09, CW03b, Wan09d]. **Friedrich** [Ano05q, Ano06h, FGH+06]. **Friedrichs** [DH09]. **Frobenius** [AD03a, Bom08, BW08b, CR08, CKK08, GN05, Gus09, Lin02b, MPT02, MW09, MNV08, Nou06, Nou08, PT04, Ros09, Rum03b, Ste05a, gS02, TRH01]. **Fuhrmann** [Ano07o, Ant07]. **Full** [CRU09, SD00, Abd08, Ali09, BPR03, De 09b, FMM01, Ste09, Tri02]. **Full-rank** [SD00]. **fullerene** [CFRS02]. **fully** [MND01b]. **Function** [MPS03, Bri05, Che09, Dun07, Eld02b, Fer05, Fur02, GKL07, GL05b, GM09b, HG09, IL06, KN06a, KS06a, LRY05, MW03a, MS07, Mol06a, MFPPSS08, OZ03b, OZ03c, PR02b, PT06b, Ste08, Tyr04, Wu05c, ZS05, Zho03]. **function-related** [Tyr04]. **Functional** [EH07, BT00, CMP03, CQ08, CH08, GN03, Mul05, YM07, Yan09b, ZW00]. **functionals**

[BM04e, BM06b, DHZ03b, Fan03a, HZ03, Mat05b, Nar05, VM04]. **Functions** [GGCB07, Par09b, Rod09, VS05, AEEG08, AADL03, ADL04, ADL06, ATV07, Alt09, AFR06, AD08, AP03b, Auj03, AS03, AB07, Bae07, BT09a, BB02b, BES02, BES09, Bek04, BN05, BHdST06, BD01a, BDG08, BR01, Bol02, BKR03, BKR04, BGM08, CH00a, CCW$^+$08, CL07b, Di 03, Dru04b, ES02, EKS01, ES01, FN00, FKL03, FKRS09, Fur08c, GW09a, Gen00, GHI09, Gin09, GN03, Gre02, Gre09, Han02b, HT07a, Han09, HZ02, Hia09, Hon06, HP03b, Hor07, HN09, HdABC07, IHM08, IK09, KVV09, KH01b, KH03, KS06e, Las06, LH03, LPR04, LS02a, McC05, MGWN06, MS01b, MS02a, Mul05, Nar05, OS09, OA09, OP05, OT09, Pat04, PM05, Pro08, Sak01, Sat06, Sen07, Sev08, SV01, Smi01c, Sza07, Thi04, Tik06, Tre04f, Wal05a, Wil07, WY07, fur08b]. **Fundamental** [Ros05, KV09, Šem03]. **Further** [BBL03a, BBL03b, BBL04, BBLT08, YLT09, GTT01]. **Furuichi** [Fur05b]. **Furuta** [FKN02, FK06, IK09, Yan01a]. **Furuta-type** [IK09]. **fuzzy** [Cec00, LPG03].

G [BM04d, HvdH07]. **gain** [YWS00]. **Gale** [AW02]. **Galerkin** [NB03]. **Galois** [GQ09a, GQ09b, Par02b, SvW05]. **Gamas** [Ber09]. **game** [XDS08]. **games** [MM06b, MQ06, Ost06]. **GAMM** [FMN04]. **gamma** [Mat05a]. **gap** [Bel05, Gol06, Lur06b]. **gaps** [Dug04b, Ros05]. **Gauss** [Kur04, LS00b, ZZ00]. **Gaussian** [DP02b, IV04, IPP07, KMZ00, KN00b, KMS00, She01, Yeu04]. **gcd** [Hon02, Alt09, AKYD16, Hon08]. **gcd-closed** [Hon02]. **GCU** [SSSG06]. **Gelfand** [Koz09, Ovs03]. **Gelfand-Zetlin** [Ovs03]. **gene** [EMT05, O'L08]. **General** [DDHL08, FYL07, GPFC04, Alf05, BHdST06, BS00d, BZ03, BCGM08, FJ04, Gav03, GP03, GP00b, GLP00, HN04, Han02a, Har00a, Mat07, OA09, SSA05, TP09b, TZ03, WM05, WY06a, WL09b, WGL09, Yan01b, ZZ00, ZGL09, ZTK09]. **Generalisation** [MNV08, Ala00, Han00]. **generalisations** [HGC07]. **generalised** [Dra05]. **Generalization** [GJ04b, jYzWbZ01, CJW05, DM07, HZ05b, JF01, Kle00, Lás03, LB01, Sav06a, Ste07a, Ste01b, Zen08, dMR07a, Han00]. **Generalizations** [BBK07, Chu08, ES08, Gre02, HDB00, Kol03a, MF09, Ano03-44, Fri00, Hol00]. **Generalized** [BS02a, Cal05a, Cap03, Che09, CMS02, DG02, FFM03, FM00b, FM02, FV04, FNT07, GS09a, Gu01, HL07b, Her03, HQ09, Ili08, KKL08, Liu03a, MS04c, MM06b, Moh05, Mol05b, Mul05, Neu01, Ots01, PV06a, PP04b, SS06c, Sch09b, WWQ04, YKF05, YC00a, YM07, Yan09b, YC01, ZFLW06, ZX05b, dSG07, ALSS08, AADL03, ADL04, AVV05, AH03, BW08a, BL04, BBL04, BB04b, BB04c, BBLT08, BJT04, Bar02, BM04a, BT05b, BV07, Boj03, CL00a, CH06, CT01, CTW01, CIDW06, CI09c, Czo05, DMM00a, DD04, DG03, DL05, DWD07, Dun04, Els05, FKP00, FT05, Fer05, FN07, Fur05a, Fur06b, Fur07, GGL08, GPM01, GS08, GAE02, GT06c, HLW06, HMR09, Hoc09, HM04, HSL05, HM06, INOY03, IK09, Ji05, JDS03a, KKP07, KN03b, KS04, Las06, LT07a]. **generalized** [LY09a, LL09b, LHZ04, LwW07, Lur06a, LY09b, Mah07, MPS06, MA07, Pap00, Pep08, PR04b, PP09, Pue05, QH09, Rie00, Roj07c, Roj08b, Roj09b, RM09a, SSW05, SC06, SH00b, SS01, SH02, SS02, SHS03a, SSW08, Ste04, Ste06b, Ste07c, Sty02a, Sty02b, Sud02, TR03, Tam04, Tia02, TT09, TS09, Tre02, Tre04a, Tre04d, Uhl01, VS04a, Wal05a, WSL02, WX06a, WX07a, WZ07, Wer09, Wir02, Wir05, Wu05b, XWD06, XHpS06, YH04a, YSS07, ZW00, ZX05a, vDHK07].

Generalized-confluent [YC00a]. **generated** [Cap01a, FM07b, Gao03, GX09a, Gem03, GN09, KA06, LZ09a, RGG01, Ros05, dSR05]. **generating** [Uhl01]. **Generators** [AS09, BSS07, BF08, VW00, YY03]. **Generic** [CtBDC09, GS04a, GPS01, IS08, GR00, RP05, vdW02, BdHZ08b]. **genetic** [Jef05]. **genus** [Mol06a]. **geodesics** [Arv08]. **Geometric** [ALM04, CFM03, Con08, Sob08, dDG02, dSQS00, Bad08, BK00b, Bha06, BH06, BK08, CE09, DS03a, FFN$^+$07, GJK04, JHL05, JLY09, KL07a, KN03b, Lim05c, Lim08b, Mat05b, Ney01a, Ney01b, Ney06, RL03, Yam06, YH04a, vDS05]. **Geometrical** [CR08, CTW01]. **Geometry** [Fie05a, HW05b, HC06, BLdPS05, BIL06, BH06, De 07b, DHZ03a, Don01, GC04, lHH08, Knu00, NS08b, NS08c, PPZ09, PP02, Šem03, Tar05, dS05]. **Georg** [Ros06]. **Gersgorin** [Kol05, Smi08b, Zha07b, Hof00, JSWT05, Par09a, BBCH08, MG09, Var04, sV06a]. **Gersgorin-style** [JSWT05]. **Gersgorin-type** [Smi08b]. **Gershgorin** [HP07]. **Ghost** [KLY09]. **Giambelli** [WY05]. **Gilbert** [BGS00, Blo08]. **girth** [LLT06, SU09, ZWS09]. **given** [BD03d, Dru02, FYL06, FYZ07, HL02, HW07a, II09, JS00b, JDS$^+$03b, KSH07, KS06d, LŠ07b, LL09a, Nik09, SAH08, XHSZ09, jYxL09, YFL09, YL08, ZSL09, ZLS09, dSF09, vD07, vDK07]. **gives** [BSD09]. **GKK** [HS02]. **GKK-matrices** [HS02]. **Global** [CKMS02, PPF02, Sun02, MP06]. **globally** [GSR03]. **GLT** [SC06]. **GMRES** [BGGC06, CLR00, DMW08, LZ09c, RS06b, Sid01, ZOE03]. **GMRES-type** [CLR00, Sid01]. **goes** [GT09]. **Goldberg** [Ton00]. **Golden** [BS07, Seo00]. **Golden-Thompson** [Seo00]. **Golub** [O'L08]. **Good** [MN07]. **Google** [Kir06]. **Google-type** [Kir06]. **Graciano** [Ano03t, Ano05-31]. **grade** [GS09e, MR02c]. **Graded** [BD02a, HNPT06, BD03a, Bon03b, Dah03, DT09, Mat04, TL03]. **Gradient** [CDS04, FNV08, Ovt06c]. **gradient-type** [FNV08]. **grading** [Eld06b]. **Gradings** [DM06, BTT09, Eld09, HPP00, HPP00]. **Graduate** [Moh05]. **Graffiti** [Zha04d]. **grafting** [Guo06a, PL08]. **Gram** [Ceg01, Dax00, KS07b, Pat04, PW02]. **Graph** [Alf00, Ano05-33, BHL$^+$04, DH06, DS08a, Hog01, SHZ05, Ste07b, AAB$^+$07, Bal04, BJ08, BM06a, BFH$^+$08, BOvdD04, BH08b, CS03a, CCRS08, Car09, CR02a, CG07b, cD03, Das07, EFN09, EFN10, FH07a, Fer07a, FP07, Gol09, GHK01, Guo06a, GZ06, GKMZ09, HK02a, Hag02, HM02, Hog08, HLW08, JD02, JDS03a, JDS$^+$03b, JTU03, KKL08, KK01, KS06e, KO08, LP01c, gLxW02, Li05, LB00, LLT04a, Mik09, MW01b, Nik07a, Nik07b, OvdDV00, Pan02, Pas01, PT06a, RSR00, RR04b, Roj07c, Roj09b, Shi07b, SHWR02, Ter02, TK09, Toy09, Wan09b, YC00b, ZL02, Zha05d, dW03]. **Graphs** [AABS09, BCRS08a, BCRS08b, CO09, Cve02, GRTR08, JTU01, OvdDV00, Sci09, vD07, vdH03b, Abd08, ÁFMNW06, AGHM04, AR06a, AMRR06, AGKM06, AK07, AG08, AJF09, AGO09, AGM09, AGKM09, Alf01, BvDK08, Bap05, BP05a, BFH04, BFH05, BF07a, BFS08, BHL09, BK03, BMS06, BMS07, BS04a, BS08, Bo02, BP05b, BHS06, CR07, CT03b, Che07a, CH06, Chu07, Cio06, CFRS02, CRS07a, CRS07b, Das04a, DB05, DK07, Das07, Dau08, Doo02, DJKM00, EN09, FKP03, FL03, Fan03b, FWG08, FQ09, FYZ07, FGM08, FN03, GL08, GLL09, GOTR07, GM08a, Gol03, Gol06, Gri04, GM08b, Guo03a, Guo05c, Guo05a, Guo05d, Guo07b, Guo08, GW09c, GYY09, Gut08, HLZ08, Hae08, HT08b, Hig06, HvdH07, HGW02, HT05a, HXL08, HLZ09, HW07a, Ili09a, Ind09, Jør05, KYAA08, KSH07, KMNS02, Kir07, KMMZ04, Kon08, KS06e].

graphs [LK00, Lee00, LZ07, Li08b, LM09a, LSC09a, LSC09b, LL09a, LW00, Lin08b, LLT04b, LLT07, LL08d, LZS09, LLY09, LSS00, LLT05, LLT06, LzZT07, Mer05, MQ06, Moh07, Mol06a, Mol08b, NS07a, Nik06a, Nik06b, Nik06c, Nik08a, Nik08b, Nik09, ORvdD02, OdAJ02, Omi08a, Omi08b, PR00, PBT04, PBR06, PBA09, Qi09, RBTR09, Roj07a, Roj08a, Roj09a, RJ02, Row07, Sat06, SGS08, SU09, SHZ05, Shi07a, SS07c, Shi09, Shp06, SW04, SS08a, ST07, Sta07, Sta09b, Ste00b, Ste02a, Ste03b, SS05b, SdAdFDV07, SAH08, SI09, SG09, TFZ08, TP09a, Ter03, THZ09, Wal09, WX06a, WX07a, WHAB08, WHBM09b, WHBM09a, Wu05b, WSL09, XHSZ09, XL05, YFL09, YLT04, YLT05a, YSL08, ZSL09, ZWS09, ZLS09, ZL03, Zha05c, ZZ08b, ZZ09, Zho08, dA07, dLdAOdF07, vDH03a, vDHK07, vDK07, vdH08a, vdH08b, vB09b]. **Grassmann** [Cal05a, Cal07, Chi02, De 08, DT09, McG06]. **Grassmannian** [BGLS04, Fin00]. **Grassmannians** [CS02b, De 09a, GR02]. **greater** [FL03, PBT04]. **greatest** [DTGV06]. **Greedy** [Hig06]. **Greenberg** [Cio06]. **grid** [Kar05b]. **grids** [Pot03]. **Gröbner** [AP04, Bou09, Kro01, LXW04, OF02, ZJL02]. **Group** [Ano07a, Ano08a, BTT09, Cai03, AM05, Bai03, BFZ05, Big02, BJ09b, CM00b, CG00a, CNX05b, CKS08, CK08, CL02a, CR02a, Đok06, DR08, Eic04, EL01, Ell04, FM07a, GHO02, Gao03, HH00, HWC06, HLW08, Ish04, Kat04, KKABAF06, KKK07, KS07a, KK01, LW01, LPW08, Liu03b, LR03, LL06b, Nie00, Nie01b, Sat08, Sch00b, SH08, Sud02, VW00, WD05, YY03, ZZ05]. **group-monotone** [BJ09b]. **Groups** [VS04a, ALMS06, BC08a, BGM04, Che09, CHY05, Chl06, Cig01, Cig07, CDJ08, Dam04, DDI03, FZ04, FJ04, GX09a, Gew03, GN09, GW09b, Haz05, JKRT02, Kra04, MSR06, MR09, MOSZ02, RG03, Sud02, TX09, WGL09, Yan06, Yan07]. **Growth** [KMS00, Bol01, GZ07, JPB08, KMS05b, KMS05c, LS06c, VJ06, ZZ00, ZGL09]. **Grunenfelder** [CL07a]. **Grüss** [PR04a, Ren01]. **Guaranteed** [YWS00, PGRO06]. **Guo** [RS09, BH08b]. **Guorong** [Moh05]. **Guttman** [TY05, TY07, TY09]. **gyroscopic** [LMZ03].

Hadamard [AG05a, Che03, Che04a, Che04b, Che07c, CLL07, CS01, CFJ01, FJ07, Fan07a, FS03, Hua08b, KMS01, KLMS03, LHSL07, LCW09, LC09, MW09, PW02, QZ07, RT01b, Seo00, Son00, SDL06, Tan09b, Vis00, WZZ00, Xia03]. **Hafnian** [Sch09c]. **Hägele** [LS09b]. **Haifa** [Ano03-46, BLL06]. **half** [BD09a, De 07b, FF04a, FF04c, Tag04]. **half-line** [BD09a]. **half-spin** [De 07b]. **halfspace** [QX08]. **halfspace-relaxation** [QX08]. **Hall** [HL04c, Nör03]. **Halmos** [Fao01a]. **Hamilton** [AD03a, BR00b, FMM01, Košˇ03]. **Hamiltonian** [BK06b, Che02b, FMM01, FI05, Ikr01, MSW09, Shi04, Shi06, Wat05, Wat04b]. **Hamming** [BvDK08, Jai07, VR06]. **hand** [DMW08]. **Hankel** [ADT06, BQW09, CI09b, FT00, Gen00, Hei01a, Hei02a, HR03a, KG09, LQ00, MT05, PEPS00, Sal00, VPV01, Var03, XQ08]. **hard** [CGHG06, BP02]. **hard-on-average** [CGHG06]. **hardback** [Rod09]. **hardness** [BC04b]. **Hardy** [OT01, dMR07a]. **Harmonic** [Car09, ES01, Mol09, MZ06, PBR06, SvdE03, Smi01c]. **Harnack** [ES01]. **Harry** [Rod09]. **Hartley** [BD03b, DLZ03]. **Hartley-type** [BD03b, DLZ03]. **Hartwig** [BST09, VWJ08]. **Haukkanen** [AKYD16]. **Hausdorff** [BC04a, CW07a, CW07b, Kes01]. **having** [BKR04, DK07, DW05a, KK01, LŠ06a, LK00, Nou06, SS02, WX07a]. **Heidelberg** [Kol05]. **height** [Nom05c]. **Heinig** [Ros06]. **Heinz** [Aud07, Yos07]. **Heisenberg** [DDI03]. **Helmholtz** [BSS09].

Helmut [Sch02b]. **help** [Log05]. **Henk** [Ano09n]. **hereditary** [Drä03]. **Herglotz** [BHdST06]. **Hermite** [BFZ04, BFZ05, Bat06, Chi04, HDB00, Hol03, OTC03, RR05]. **Hermite-Biehler** [HDB00, OTC03]. **Hermitian** [HL09, dSQS00, HR04, Rod08, SHS03b, Str03a, Tan05b, Xu08, BGN08, BH04, BS00a, BNdP$^+$05, BM04c, Buc06, BFJ07, CMP03, CC09, CX05, Dan02, De 09b, DMM00b, DL08, EGO05b, FJ06, Fre08, Ful00, Gro01, GGCB07, HK02a, HTV02, HW05b, Jia09, JD02, JDS$^+$03b, LL05a, Lim05a, LTT09, Meh00, MD09, NBdP08a, Nak03, SCS09, Str06, Tic05, Toy09, Tre03b, Tre04c, TL03, TS06, WB01, WB08, Wer08, ZZY06, Zha03b, ZyC03, dF00]. **hermitian-preserving** [SHS03b]. **Hersonsky** [CW03b]. **Hessenberg** [BEG$^+$07, BM06b, EGG07, Els05, FV04, God09, Meh00, Zem06]. **Hessian** [CKK08]. **Heydar** [Ano02r, BORŠ04]. **Hiai** [FK06, ST08]. **hidden** [Chu08, MN07, VWD08]. **Hierarchical** [Peñ08, GX09b]. **hierarchy** [FO01, VR06]. **high** [CCSS03, FB04, LCN04, NCCY00, So04]. **high-resolution** [CCSS03, FB04, LCN04]. **Higham** [Par09b]. **Higher** [BJ09a, CNF08, CKŻ06, Buk07, CDMGP06, CSWM01, Chl06, DV04, KL07a, LPS05, Lom09, Mei05, OS03, Pet08, Sen07, SC01, TX09]. **higher-dimensional** [Lom09]. **Higher-order** [CNF08, DV04, Sen07, SC01]. **Higher-rank** [CKŻ06]. **Highly** [ALSS08, Sla03]. **Hilbert** [ABP09, ABK02, AR06b, ĆDR01, DK08a, Dra06, Dra08a, Dra08b, DD05, DD07, Dug05b, FYY09, FP02a, FQ04, Fur04, GMP08, HJM09, HK00, HK07, Hir09, HHT06, Kim05, Kit09, LS02c, Lim07a, Mol03, PR07, Sha09, Str06, XS08, Xu09, YLZ06, Zaï04]. **Hilbertian** [ACG08, Suc09]. **historical** [Abe08, Cve02]. **hitting** [CZ08]. **HIV** [HL05b]. **Hochschild** [GR03]. **Hoffman** [Bar05, HT05a, WD06]. **Hoffman-type** [HT05a]. **Hölder** [BLFS09, MQ03]. **holes** [CZZ09]. **holomorphic** [BP06b]. **homeomorphic** [FPP01]. **Homogeneous** [Arv08, DT03, GZZ00, Lim09b, Lip08, SU09]. **Homomorphisms** [DSW07b, Buk07, Cai03, DH06, KB02b]. **homotopies** [Wri06]. **homotopy** [Lom02]. **Hong** [Alt09]. **honor** [Ano02r, Ano02z, Ano03t, Ano04u, Ano04v, Ano05q, Ano05r]. **Hopf** [Adu02, AMZ09, CM00b, FM07b]. **horizon** [BF07b, FN07, Kar04]. **Horn** [CKS06, Ano05r, Ano07t, Ano07p, Ano07u, BKMZ07, Knu00]. **Hotelling** [Gus09]. **Householder** [Bag08, MMT04, SAAF08, Wri06, xZxGpL09]. **Howard** [O'L08]. **HR** [Ano04-43]. **Hu** [CL00a]. **Hu-Hurley-Tam** [CL00a]. **hua** [XXZ09, Mos09, Šem03]. **hua-marcus-bellman-ando** [XXZ09]. **Hückel** [Wan09e]. **hull** [BG06]. **hulls** [DS04a, DLS08, FGM03, MOSZ02]. **Hurley** [CL00a]. **Hurwitz** [AYC06, CGR09, Eld02b, Hol03, Peñ04, Yan03]. **Hurwitz-Radon** [Eld02b]. **hv** [BKDL01]. **hv-convex** [BKDL01]. **Hwang** [Nie07a]. **Hybrid** [HZM02, NB03]. **hyperbolic** [BQS00, Boj03, HV03, HTV02, JKRT02, Lie09, Mul05, ST00, Sla03, ST03b]. **hypercube** [dS05]. **hypercyclicity** [Cao07a]. **hyperenergetic** [SS05b]. **hypergeneralized** [BBL04, BBG06, BBLT08, Ste06b]. **Hypergraph** [BDKW04]. **Hypergraph-based** [BDKW04]. **hypergraphs** [Bru03b, KLM01, MS02b]. **hyperinvariant** [DM02]. **hyperplane** [BHL$^+$04]. **Hyperplanes** [De 09a, De 08, Nie01a, NS07b]. **Hyperspheres** [Nie01a]. **hypertournament** [KPT01, KR03]. **hypertrees** [BCDF08, Siv09]. **hypoenergetic** [LM09a]. **hyponormal** [Cao05, CLY08, DJ07, Dug08, MRR07]. **hypotheses** [CM09].

ideal [ALC06, pBhSzZ09, HAT03]. **ideals** [AMS05, Con08, Con09, Dah01, LZ09a, LL09b, Lin03, LL08c, RY08, Roc09, RGG01]. **Idempotence** [Zha04b, Kuz02a, SZZ07, XCX01]. **Idempotence-preserving** [Zha04b]. **Idempotency** [BB00, BBS02a, Bak04c, BB07b, BT05a, FJP07, WFJ08]. **Idempotent** [DO09a, BB00, BBS02a, Bak04c, BB04a, BBS04, BB07b, BT05a, CGQ04, CV07, Dup03, Fošš05, HCLC09, Hua08a, KR06, LZ09a, Rao09, TS01]. **idempotents** [AH09a, DW09a, Den09, Dol03, DRR02, Rab04]. **Identification** [AFCC04, DHFS00, LD02, AD05, GX09b, JLMP02, TG02]. **identify** [FLPW07]. **identité** [Han00]. **Identities** [BD03a, Gil08, BD02a, BB04d, Bap03a, BE01, Bir04, BP09, DT09, ĐS08, Hil08b, HT05a, HK05, JMT04, Mat04, PH04, TTM02, Wen09]. **identity** [BM04a, FM00a, Han00, Kes00, Wan04, WY05]. **Ihara** [Hor07, TP09a]. **II** [Auj03, BB05b, BCRS08b, Bou03c, CW07b, CS01, CS03c, Dod08b, FT07, FS06a, FF04a, GW04c, GT06b, Kes01, KLMS03, LZ09c, Ney01b, Nik07b, NS08c, OZ03c, Ovt06b, Sed01, SS07e, gSX03, Tka05, wW02, Yan01a, dCdS05, dSG07, vDS05]. **III** [AADL03, BBCH08, CH00a, HPP00, KN03b, gLxW02]. **ILAS** [Ano04t, Ano05p, Ano07s, Ano09p, BBVR08, BGKW07, IMS$^+$09, Pue01, Uhl04, dOQSZ06]. **Ill** [CLPT06, ÖA00, CRS03]. **Ill-conditioning** [ÖA00]. **ill-posed** [CRS03]. **Ill-posedness** [CLPT06]. **Ilmonen** [AKYD16]. **ILU** [Bol01, KY00]. **image** [CCSS03, FLM02, FM04b, FB04, GMR$^+$07, HHM09, HNV00, LXW04, LCN04, MLK$^+$04, NCCY00, NPP00, Pop08]. **image-based** [HHM09]. **images** [DV01, SvdS01, VHK01]. **imaginary** [AYC06, Ste07a]. **imaging** [TKX08]. **Imbedding** [QD09]. **Immanant** [CD06]. **Immanantal** [Mer05, dCdS05, dSdC05]. **impact** [LMT09]. **Implementation** [AEEG08, MLK$^+$04, LMV03, PM00, PA04]. **implications** [Dau08, Smi01b]. **implicit** [Boj03, DJMS09, Dek09, NB03]. **implicitization** [DMMV09]. **implicitly** [OCK09]. **imply** [TTM02]. **implying** [Fur07]. **importance** [Har00b]. **impossible** [PFL05]. **Imprimitive** [CL08b, Zha07a]. **Improved** [HIU04, NX04, Roj05, cD03, HDA09, LT08]. **improvement** [LW01, LHF06]. **improvements** [HNT03, PP01b]. **Improving** [HW07b, Wal05b]. **impurities** [BES01]. **IMRT** [Ano06f, CGXL08, CCW$^+$08, SK08a, ZM08]. **Incidence** [Wil09, AGKM06, GR03, Gri00, GKMZ09, IHM08, KH01b, KH03, LP00, Spi05]. **incline** [HL04b, HL04a, HLG04, HL04c, HLW05, KR04]. **Inclines** [KR04, HL04b, HL07a]. **Inclusion** [BI03, LHL08, Bap00, HSZ08, Kol08, Mel09]. **inclusions** [Bar08, Fer07b, O'u02, VEB00]. **Incomplete** [CS08a, ZGL09]. **inconsistent** [BS00b, CLR00, CS08a]. **increasing** [Bha03a, Wir05]. **Indecomposable** [GM08b, YLS05, CHK$^+$01, vGKN09, Ter01a]. **indefinite** [ARR06, ADL06, And04b, BLdPS05, BdPT08, BT04a, BKR03, BKR04, FGR07, HHZ09, Kin05, MR01, MRR07, Rod06, RS01, Sch09a, Ser08, SS00, TL03, TS06]. **independence** [VC04, XHSZ09]. **independent** [CL02c, Cig01, CM09, EE04, HHL$^+$09, OTZ09]. **Index** [Ano00a, Ano00b, Ano00c, Ano00d, Ano00e, Ano00f, Ano00g, Ano00h, Ano00i, Ano00j, Ano00k, Ano00l, Ano00m, Ano00n, Ano00o, Ano00p, Ano00q, Ano00r, Ano00s, Ano01d, Ano01p, Ano02c, Ano03h, CS01, Dvo03, TI08, Unk01, AFS09, AK09a, AK09b, Ano01a, Ano01b, Ano01c, Ano01e, Ano01f, Ano01g, Ano01h, Ano01i, Ano01j, Ano01k, Ano01l, Ano01m, Ano01n, Ano02p, Ano02a,

Ano02b, Ano02d, Ano02e, Ano02f, Ano02g, Ano02h, Ano02i, Ano02j, Ano02k, Ano02l, Ano02m, Ano02n, Ano02o, Ano03r, Ano03s, Ano03a, Ano03b, Ano03c, Ano03d, Ano03e, Ano03f, Ano03i, Ano03j, Ano03k, Ano03l, Ano03m, Ano03n, Ano03o, Ano03p, Ano03q, Ano04r, Ano04s, Ano04a, Ano04b, Ano04c, Ano04d, Ano04e, Ano04f, Ano04g, Ano04h, Ano04i, Ano04j, Ano04k, Ano04l]. **index** [Ano04m, Ano04n, Ano04o, Ano04p, Ano04q, Ano05o, Ano05a, Ano05b, Ano05c, Ano05d, Ano05e, Ano05f, Ano05g, Ano05h, Ano05i, Ano05j, Ano05k, Ano05l, Ano05m, Ano05n, Ano06a, Ano06b, Ano06c, Ano06d, Ano06e, AMM06, BMS06, BMS07, BFPW02, DJMS09, DL09, Ed05, GLS07a, GGM+09, GLL09, GOTR07, GV09a, HL07a, Kes01, LWZ09, LDS08, LCP02, Omi08a, Omi08b, Rod05, SdS09, SM09b, WHBM09b, dlPGR07, vdMSR01, vdMSR03, vB09b, Ano01o, Ano03g]. **index-** [BFPW02]. **Indices** [HL04a, AMZ09, BFZ04, BFZ05, Bo02, BRVS08, DK07, KYAA08, OS09, dSZ00a, dSZ00b]. **individual** [TW00]. **indscal** [tBSR04, BSD09, Ste09]. **induced** [BdlP06, BD02b, CDL05, EN09, Nie00, ST03a, Tar05]. **Inequalities** [BN04, BNdP+05, BLdP05, Boc03a, Che07b, CHL02, Dra08a, HZ02, Hir05, HK07, Kos06, PV06b, AB05b, Auj03, AS03, AB07, BDK08, BHNR03, BGJS06, BdL04, BK00b, Bha03b, BT07a, Bon03a, BD09a, Bou06b, BS07, CJPS02, Che03, CKZ05, Con09, CSK01, Dra06, Dra08b, DD07, EH07, FNS01, FST04, FNT07, FYK05, Fur06a, FKY09, FG03, Fur03, Fur05a, Fur05b, Fur05c, Fur06b, GJR03, GN03, Gut01, HK00, HK02b, Hir09, HZY05, Hua08b, JMP09, KN04, Kit04, Kit09, Kly00, LP01b, LM02, Li06a, Liu02b, LC09, Mah07, Mal01a, MPS00, MZ08, NBdP08a, Nie04b, Nie07b, OT01, Pat08b, Per07, PWZ05, QT06, Rao00, Sed04, Seo00, Tao06, Uch02, WlW07, XXZ09, zY08, YKF05, YFK05, YLT09, Zha04a, Zha00]. **inequality** [ABP09, Alz01, And04b, Aud06, Aud07, Aud08, Aud09a, Auj00, Bén06, BD01a, Bha06, BK08, Bou06a, BU07, BS07, BLFS09, CE09, CS09b, Dra05, Dru08b, EFN+03, FP02a, Fuj05, FK06, FFN+07, Fur04, Fur07, Fur09, HG09, HZ05b, JP04, Jia00a, KL07a, Kle07, Kom08, KS04, Lee09a, LP01c, LCP02, LS02d, MPT04, Mal01a, MPP06, MF09, Mos09, NY02, Pas01, PR04a, Rad09, Ren01, Sch02c, ST08, Son00, TP05, Wad07, wW02, Wu08c, WGT09, Xia03, Yam06, Yan01a, Yan02b, Yos07]. **Inertia** [FS04a, FS06a, SSG04, AS01, BHL09, CL00b, Dau08, Fer07b, GTM09, HLW01, JF01, MSS07, Sty02b, dF00]. **inertial** [IK06]. **Inertially** [KOvdD07, ML02, CV05, CVV09]. **inertias** [Dan02]. **Inexact** [BMGS06, BGN08, BX08, BW08a, DW08, RS06b]. **inexpensive** [Bra03]. **infeasibility** [CBIXG08, Peñ03b]. **infeasible** [AB05b]. **infectivity** [HL05b]. **inference** [Vin00]. **Infinite** [BES01, DOS01, Tab01, AMZ04, BK07, BGM01, DL92, DL01, FLMR00, FB05, Fri00, KP08, KMS05b, Pfa08, PSvdW05, Sak01, SS06c, She00, SS09d, Wer08, vdMSR01, vdMSR03]. **infinitely** [CH00a, Tre04f]. **infinity** [GT09, Kol09]. **influence** [BLR00, FLPW03, Liu02a]. **influential** [LD02]. **information** [Fuj05, GII08, JB00, KMZ00, KN00b, Kle00, KS01, KMS05a, KS05, KS06b, KS06c, KS09]. **Ingram** [Ano04v]. **Inherited** [ABH07]. **inhomogeneous** [THH04]. **initial** [BS00b]. **injection** [RZ01, RZ04, RZ05]. **injective** [LS06b]. **Inner** [DvdV00, DM03, GW09a, Gla04, ARR06, BLdPS05, Dra05, Eld02a, FGR07, GZZ00, GL09, MR01, MRR07, Pat08b, Rod06, Ser08, Zho00]. **Inner-outer** [DvdV00, GZZ00]. **inner-product** [GL09]. **input** [Zen01]. **input-output** [Zen01]. **inseparable** [Ahm05, Pit03]. **instability** [BD01b, BD06b, SvdD05]. **integer** [BW00, BP02, EK08a, FM07a, Gue08, JPB08,

LX08, PW08a, PP09, RP03, WW08a, Zaï04]. **integer-valued** [Gue08]. **integrable** [AL09b]. **Integral** [PRS02, AABS09, BP05a, BdlP06, BV02, BH08a, Bru02b, Che09, CT09, Fan03b, Fan07b, GM08b, GS09c, Igl01, Kir07, Ose08a, PR01, PBR06, Pih04, Rao09, SdAdFDV07, Yan06, Yan07, Zha06, dSF09, dLdAOdF07, fur08b]. **integrals** [Igl01]. **integration** [VB09a]. **integrator** [ZTK09]. **Integrators** [BM07]. **Intensity** [Ano06f, CBIXG08, CGXL08, HC08, SK08b]. **Intensity-Modulated** [Ano06f, CBIXG08, CGXL08, HC08]. **Inter** [HMS01]. **Inter-** [HMS01]. **interaction** [GZHT05]. **interactor** [XM02]. **interconnection** [Bal07]. **interconnections** [GSR03]. **interest** [Kob00]. **interior** [CH01, GL06, OS05]. **Interlace** [AvdH04]. **Interlacing** [LM02, WSL09, Li06a]. **internal** [Lom07a, SvdE03]. **International** [AHST09, Ano03-46, Ano09q, EMS06]. **Interpolating** [Bha06, Bri05]. **Interpolation** [AT00, Joc09a, PS07, AD02b, ABR02, AD03c, AD04, ATV09, BB02b, BN05, CH00a, CH01, Con08, FKLN07, FKS09, GVV03, GJ04a, GM07a, HdABC07, JS01b, KR07, McE02, OF02, OT01, Pop02, RR04a, RR05, Wu05c]. **interpolatory** [CGR09]. **interpretation** [Pic07]. **intersection** [LSD06, Mil03, RDxC03]. **Intersections** [FLRZ02, LT03a]. **Interval** [CCG02, HCLC09, Myš05, AM04, CWW09, DS02, Di 03, GG04, Jan01, Kul01, MW03a, Myš06, Rih01]. **Intervals** [Gar03, HZ06, TH00, TK09]. **interview** [Blo08]. **Intrinsic** [Fie08]. **Introduction** [Sch00b]. **Invariance** [GT06c, BB05a, Las06, Lav03a]. **invariances** [Ots01]. **Invariant** [CHKS05, DM02, Kle04, RZ01, Wu08d, ABW05, AFK02, And06, AP04, Bad08, BR02, BC07, BC08b, Bra03, BCS02, CD00a, CG00a, CLS05, CL02a, CL02b, CM08a, CHPP06, CS03d, CH08, DHFS00, DDHL08, DH04, EMT05, FYL07, Fao01a, FP01, FIL07, FGR07, FH01, GV06a, HZ02, HZ04a, HN09, HZM02, Ips00, KS06a, KN03a, KL07b, KP02, LCF06, Li08c, Lom07b, MZ05, MS03c, MRR07, MBLV01, Nah06, Oku03, Oku06, Ovt06a, PR04c, Poo08, PPZ02, PPF02, Rvz09, RS02, RZ05, RT01b, Sil00, TH01, Tsa01, Val08, WLBZ06, ZWPR06, BCES05]. **Invariants** [BPP08, AMZ06, BZ02, BdHZ08b, BdHZ08a, Boc03a, Boc03b, BK01, CSZ01, CDMGP06, Dod05, DS07, Dom00, FM07b, For04, FMS01, FMS05, KZ03, LW00, Mer05, RRH02, RZ04, SH09]. **Inverse** [CSK01, GvdV04, Hog00, IWL07, JDS03a, KH09, LR05c, Tre04d, AD06, AT09, BX08, BBT03, BB07a, Bap00, BHL09, BES02, BMGS06, Bol01, BMS04, BMS08a, Bri01, BOvdD04, CKLX09, CGD05, Ceg01, CBIXG08, CC00, Che04b, Che07b, Che07c, CXW09, CL01b, Cui07, CIDW06, CI08, CI09c, DW09a, DW09b, DS03b, ELN04, ES08, Fan10, Fei04, Fie01b, FNS07, GKW00, Gon05, Gro00a, Gu01, HFR04, HWW01, Hog02, Hol05, HP04c, JS01a, JO05, JS07b, JS07c, KKP07, KV09, KN03b, KDC07, Kol09, Kos̆03, Kro01, LW01, LHSL07, LW07, LCW09, Lim05c, Lin08a, LwW07, gLgWmW08, LM04b, Mal01b, MPS07, MHZU05, Mor08, Neu00, Ney01a, Ney01b, Ney06, pPyHZ05, PY09, Pat01, Pat03, PP01b, PHZ06, PS07, Phi04, PES07, RW02, SLR06, Sid01, Šmi04, Son00, SBM05, SR06, Sot06]. **inverse** [SD00, TVB08, TMARAE+07, WZZ00, Wd09, WD05, Xia03, XHpS06, XLG+13, Zha01, ZHZ03, xZxGpL09]. **Inverses** [BR09, LM06a, Moh05, Neu00, Alt09, AH03, BS02a, BB04c, Bap03a, BCEG09, Bu05, CGP04, CNX05b, CTW01, Den09, Din03, DD05, Gha01, Gin09, GT06c, GWW06, HTK07, Hei02b, HSZ08, HM04, HM06, JS07a, Ji05, KS07b, Li08d, Mah07, Rie00, Rob02, SS06c,

SS01, SH02, SS02, SHS03a, Tia02, TT09, TS09, Wan02, WWQ04, WZ07, WG02a, WG02b, XH08, Xu09, YC01, ZJL02, dFP01]. **Inversion** [ACM03, Bas02, Fie05b, Gha01, DvdV00, EG01, EG03, GKvS04, NRW02, OTZ09, PH09, YH04b]. **Invert** [Ney09]. **inverted** [Dam03]. **invertibilities** [HC03a]. **Invertibility** [LLM03, EGMG07, Gil01, PP04a, PP04b, Pfa08, PG04]. **Invertible** [DO09b, HL04b, CB06, CL07b, LRY05, MD09, Oku06, SS06c, Tan07]. **inverting** [Wil07, IT07a]. **investigation** [CC09]. **involutary** [TS01]. **involution** [DK08a, EMERP06, KDC07, Tup08a, YZ09]. **Involutions** [Spi05, ABR02, Bot06a, CM00a, CKS08, CK08, Ell04, Fur08a, Zhe02]. **involutory** [AG04b, Tre05, Tre08]. **involving** [BN04, CW05, DK06, DW09a, Fur05c, GN03, GT06c, HZ02, Hil07a, LP01b, Liu02b, MZ08, Nie04b, NT06c, WlW07, YLT09]. **Irreducible** [BBK03, DK04, Kra04, LHS02, SBS02, AFK02, Bre03, CJK05, FM07a, FLQ04, Har07b, LM06a, Lon04, Sav03, Ser09, Wu05a, WD06, Yah04, YSS07, vdW01]. **irregular** [Shi09]. **ISBN** [Böt06b, Kol05, Moh05, Rod09, Tům06]. **ISBN-10** [Böt06b, Kol05, Moh05, Tům06]. **ISBN-13** [Moh05, Rod09, Tům06]. **iso** [DG07]. **iso-spectral** [DG07]. **Isolated** [TU02, TUC04, WX07a]. **isometric** [De 09b, Ser08, Ste07c]. **Isometries** [CLS05, GS08, ACG08, Jel03, Lav03a, Lav05, Sha09, Suc09]. **isometry** [Đok06, DR08]. **isomorphic** [BB04d, BB05b]. **isomorphism** [Aga02a]. **isomorphisms** [BBC00, HZ04b, HBLZ06, LM03, LT07c, LL03, Mol06b, PJ07, XCX01]. **isoperimetric** [HD03]. **Isospectral** [GR07b, GR07a, Lan05, DS03b, GPFC04, LST08]. **Isotropic** [GHO02, GWL09a, GWL09b, GLW09, GW09b]. **Israel** [Ano03-46]. **Issue** [Ano02z, Ano02-28, Ano02-27, Ano02-29, Ano03v, Ano03t, Ano03u, Ano03-44, Ano03-45, Ano04u, Ano04v, Ano04t, Ano05q, Ano06f, Ano06g, DOS01, HKSS03, Ano02r, Ano04-43, Ano07u, BFSV06, BKMZ07, BHRV02, BKPW08, CNTV08, FMPT04, LGH01, Ano05r, Ano05-33]. **Issues** [Ano05-34, LB01]. **Iterated** [LN06, AY03, BHNR03]. **iterates** [Mat02, MH06]. **Iteration** [Dax03b, LV03, BBMX07, BMGS06, CKMS02, Dek09, EGO05b, FG08, FS08, Had05, HLR08, KN03b, Ney01a, Ney01b, Ney06, NB03, Ovt06c, PRW01, PY09, Rih01, SSA05, Str02, WB08, YLX09]. **Iterations** [MST06, BPS04, FLMR00, GZZ00, HT05b, Pit09, Yua00]. **Iterative** [ESP05, SS03a, AH08, BW03, Cen01, CHP06, Dax00, FS08, GG09, Gug08, HNT03, Had04, Huh05, Li03, LWZ09, MS00a, MM03, MP06, Pul07, Sol06, Wan07a, XZ06, Yag01]. **IV** [BCES05, Li00b, Ney06]. **IW** [PP09]. **IW-contractions** [PP09].

J [Ano09o, BN00, Par09b]. **Jacobi** [Bap03a, Boj03, BSS09, BW06, DD04, FMM01, FS08, HS03, Hoc09, Kle09, LS00b, Mal09, Mat02, MH06, yPyHZ03, Vos07]. **Jacobi-like** [Boj03]. **Jacobians** [Har00b]. **James** [Tur05]. **Jensen** [Mal01a, MPP06, MPS00]. **Jerzy** [BS05a, Cal05b]. **Jet** [BKR04]. **join** [BF07a, IHM08, KYAA08, KH03, KH08]. **joined** [Roj08b]. **Joint** [BM04c, Bek04, BNT05, Blo08, BKPW08, CZ00, Fre04, GJK04, KS06d, Mae08, MOS07, Myu09, PJ08, PW08b]. **jointly** [GN00, Lim09b]. **Jordan** [Ali09, Bae07, Bal07, BR00a, BBC00, BdHZ05, BOP08, Ben05, BPZ08, DKL$^+$07, FGM03, FMZ06, FMS05, FJL08, GR00, GZ07, GST04, GTM09, HL07b, Hol00, HJ08, HQ09, HBLZ06, JL09, Ji09, KPK04, Kru04, LS06b, LJ04, LL05b, LL08b, LL04, LT07c,

Lu02a, LL03, Lu03, Lu09, MS03b, MS03c, MG09, Mol06b, Obl08, PRS02, Pei07, PH00, Roc09, Sav05, Sch00a, Str03a, WY04, WFJ08, Wat04a, Wil07, Wu09, XCX01, ZM03, ZY06, ZG09, ZX05a, dB00]. **July** [dSQS00]. **jump** [BG02]. **June** [Uhl04]. **justification** [Vos07].

Kac [BB09, BR07, BT04b, Tre02]. **Kaczmarz** [Pop08]. **Kalman** [MSS07, Sen04]. **Kantorovich** [Dra08b, FST04, FG03, Fur06b, HZ05b, PWZ05, Yam06]. **Kantorovich-type** [PWZ05]. **Karatsuba** [Ose08b]. **Karatsuba-like** [Ose08b]. **Karla** [Ros06]. **Kauffman** [RT06]. **KdV** [GHS06]. **Keller** [Che02a, LDS08]. **Kernel** [Hei02a, ABK02, Bre03, ĆDR01, DMM00a, DD07, Dug00, Dug01, Dug04b, Fer01b, Li06b, Ose08a]. **kernels** [Ahm05, AGKM06, BHNR03, BCES05, BP06b]. **Key** [Woo02, BD01a]. **Kharitonov** [OO05]. **Khatri** [Liu02b, YLT09]. **kind** [PHZ06, dSZ00a]. **kinds** [ACHR01]. **Kleene** [SSB09]. **Klyachko** [Fri00, Har07a]. **kneading** [AFR06]. **Kneser** [dH07]. **knot** [LW00]. **knots** [NS03]. **known** [Yan09b]. **Kolmogorov** [FF02]. **König** [Shi01]. **Kostant** [SP09]. **KP** [FO01]. **Krawtchouk** [IT07b, Sev08]. **Krein** [And09, BNdP09, BT04a, IO01, NBdP05, Str03b]. **Kronecker** [AG05b, BD04, CD00a, DV07a, eFLW09, Han05, Huh06, JM09, OZ03a, OZ03b, OZ03c, PPF02, RO02, SMS09, SH09, Tad06, Tyr04, VC04, Vis00, Wat01b, Zav07, dSZ00a]. **Kronecker-product** [Tyr04]. **Krull** [CGGGSR01, Kat04]. **Kruskal** [SS07f]. **Krylov** [AEEG08, CRS03, CW02, DW08, Dek09, Gug08, GS09e, HLY06, JR09, RS02, SL06, SP04, Ste02b, Zem07]. **Kubo** [Dit00]. **Kubo-Mori** [Dit00]. **Kuriyama** [Fur05b]. **Kutta** [Dek09]. **Ky** [NV03]. **Ky-Fan** [NV03].

L [Ano05q, SH00b]. **L-matrices** [SH00b]. **LAA** [Ano09r, BKR+09, BMS08b, CNTV08, Hof08]. **Laffey** [Ano09o]. **Lagrange** [VS04b, dBS08]. **Laguerre** [Nie07b, Chi04]. **Lancaster** [Ano02z, Ano04-44]. **Lanczos** [VV06, AS01, BF01, BQW09, DBK05, Dru08c, GZZ00, HS07a, MS03a, Ney09, PM08, Wat04b]. **Laplace** [AD03a]. **Laplacian** [Shi07a, AC05, BJ08, Bap05, BZ00, BHS06, BH08b, CCRS08, CA02, cD03, Das04a, Das04b, DB05, Das07, FL03, FYL06, Fie05a, Gol06, GM08b, Guo03a, Guo03b, Guo05a, Guo05b, Guo06a, Guo06c, Guo08, GW09c, GZ06, II09, Ili09b, Kir07, LP01c, LSC09a, LSC09b, Lin08b, LLT04a, LLT05, LzZT07, MW01b, Moh07, Mol05a, Mol08b, OdAJ02, OT07, Omi08a, Omi09, Pan02, PBT04, RSR00, Roj02, RP03, RR04b, RS05b, Roj07b, Roj07a, ySZyY06, SHWR02, Sta09a, SI09, SG09, TFZ08, THZ09, WX06b, WHBM09b, Wu05b, YLT05a, YLT05b, YL08, ZSL09, ZL02, ZL03, Zha04f, ZZ08b, ZLC09, Zho08, dLdAOdF07]. **Laplacians** [BKN05, BHL+04, CRS07b, Li06a]. **Large** [Ano02-27, Ano02-29, CG07a, GZZ00, ÁFMNW03, AG05a, BFSV06, BES03, BDKW04, CS08a, GRV06, GA06b, Gug08, JR06, KN00a, Kir00, MNOvdD08, Mal09, OS05, Pen06, RM09b, SL06, SU09, SW03, Vos07, WSW06, Wu06a, Yan02a, Yan09a]. **Large-Scale** [Ano02-29, BFSV06, GRV06, GA06b, Gug08, OS05, RM09b]. **largest** [AEK06, AK09b, BMNA08, BHS06, CH03, CO09, Das04a, DB05, GH06, GT02b, GT04, Guo05c, Guo05b, HL02, LRWW07, LP01c, LG06, LB00, LYY07, Pac02, RR04b, Roj05, Roj06b, RR07a, Roj07a, SHWR02, Sta07, Sta09b, Ste03a, Van07, WV08, ZWY00]. **Latent** [Hen07]. **Latimer** [BV02]. **Lattice** [BM05, BP09, BLG01, HQ08, LLM03, LL08b, LL03, Nie00, SHS03b, Tan01, WL07]. **Lattice-ordered** [BM05]. **Lattices** [Gao03, GX09a, GLW09, GN09, WL08, ABW05, DDHL08, LM03, PJ07, Tan03a, Tan05a].

Laurent [AY08, AH04, BM04d, BES01, JR09]. **law** [BB05a, JF01, Wan02, WWJ09, Yan02a, Yan09a]. **laws** [WG02b]. **Lawson** [FFN+07]. **Lax** [Lie09]. **LCM** [Hon02, Hon06, Hon08]. **LCM-closed** [Hon06]. **leading** [Bal03]. **leaping** [EK08b]. **learning** [AAA+02, Per03]. **Least** [Eld02a, Eld06a, ZHZ08, AB05b, Bak04b, BCRS08a, BCRS08b, BD09b, CCRS08, Čer09, Cve02, DW00, EF07, FWG08, FL04, FLPW07, FB04, GA06b, GJW02, GWW06, JB00, KM04, LMV03, LD02, LCN04, LZS09, LLT06, MLK+04, NPP00, Nie01a, OCK07, PBA09, PA04, VHK03, Wal05a, WL09b, WG02b, XQW08, YFL09, Yer04, ZZ00, ZM08, dSS08, Sch06]. **least-norm** [WL09b]. **Least-squares** [Eld02a, Eld06a, BD09b, EF07, JB00, Nie01a, ZZ00, ZM08, Sch06]. **leaves** [II09]. **leaving** [CL02a, CH08]. **Lebesgue** [CMP03]. **Lee** [JNL05, JN06]. **Left** [EGMG07, MV07, BBL03a, HS01, LSD06, ZX05a]. **left-star** [BBL03a]. **Legacy** [Ano03u]. **Leibniz** [LH05, Yan09b]. **lemma** [Lás03, MSS07]. **Lemos** [FNT07, Fur07, MF09]. **Length** [Ish06, GJMR01, GM09b, JN06]. **Lengths** [CD05, Jia00b, Kru04]. **Leonard** [Cur07, Har05, NT06a, NT06b, NT06c, NT07a, NT07b, NT08c, NT09a, Tan09a, Ter04, Vid07]. **Leontief** [Peñ08, SdL03]. **lesion** [PSvdW05]. **lesion-forming** [PSvdW05]. **Leslie** [CL05a]. **less** [CO09, Omi08a, Omi08b, Sta09b]. **Level** [MM08, ACM03, LG04, MN08, NCV05]. **level/phase** [LG04]. **Leverrier** [rWQ02]. **Leverrier-Chebyshev** [rWQ02]. **Levinger** [PT03, PT06b]. **Levinson** [Mel01]. **Lewin** [LJ01]. **Li** [Lim08b, Yam06, HWKS03]. **Lie** [FMM05, JW05, WL09a, ZWC06, BPP08, GJMR01, HN09, Mou06, Aga02a, AKL07, AD02a, AC03, BC08a, pBlWyXwA08, BAL09, pBhSzZ09, BLS05, BS01, BC03, BCSV06, BP06a, BDV08, CGN01, CS03a, Cao01, CCH02a, CT03a, CFN04, DDI03, DHK06, Dra08c, Eic04, Eld06b, Eld09, Fur05a, Han03, HPP00, Kle09, LL09b, Lin03, LL08c, LWD09, OWY07, QH09, RG03, RM01, SP09, TX09, WM02, WM03, WY06b, WY06a, WYZ07, WL09a, ZZ08a, Zho00, Zus05]. **Lieb** [Aud09a]. **life** [BS05a, BLN04]. **lifting** [DKX03]. **like** [BFH05, Cig07, FGM08, GVD08, Ose08b, SSW08, Ste04, TX09, Xu03, YH04b, YLZ09, ZZY06, vdW01, BLM03, Boj03, PZ00]. **likelihood** [HB00]. **Lim** [FFN+07]. **limit** [CS04, GZ03, Guo03a, Guo08, Kar05a, Kir03b]. **limited** [VHK01]. **limiting** [Shi04]. **limits** [FKS02, Sak01, dBS08]. **Lin** [WF04]. **line** [ADL04, BD09a, BD03d, JLY01, KS06e, Sat06, Shi07b, dSF09]. **Lineability** [MFPPSS08]. **linéaires** [Fao01b]. **Linear** [APESS06, AT07, AL09b, AG04a, Ano02-28, Ano02-27, Ano03v, Ano03-31, Ano03-43, Ano03-46, Ano06f, AS02, Bal03, BL00, BS02c, BLS02, BGLS04, BGLS05, BGJS06, BBS08, Bon03b, Bru03b, Bu05, CZ05, CGXL08, CL02a, CCG01, CHP08, CHL01, DOS01, DKX03, FMPT04, FJ06, FMN04, Gav00, GM07b, Gut01, HL08b, JS01b, JS07b, KS00a, LP01a, LTT02, LRŠ02, LS04b, LPS05, Lim09a, MD02, Nie01b, NT07b, RP00, SP09, TR01, TS03, Tan03b, Wal05a, Wan03a, WFJ08, Yan07, Zha03a, Zha04c, Zha05b, ZYP06, ZgC06, AAA+02, AKGC09, AB03a, AB03b, AGDR05, AFR06, AB05b, Amb07, AMZ06, AdO02, Bad08, BRM01, BGN08, BB00, BBS02a, Bak04a, Bak04c, BB04b, BB04a, BBÖ04, BBG06, BB07b, Bal07, Bar08, BPT07, BIL06, BT05b, BT05a, Bér05, Ber04, BD02b, BHRV02, BP02, Bol05, Bon09]. **linear** [BKO01, BK09b, BKK08, BK01, BRS00, BCS02, Brü09b, BM04e, BP06b, BBP03, BGGC06, But03, CD00a, ÇS02a, CLPT06, CCH02a, CP03, CHASG02, CDMGP06, CJPS02, CCG02, CS08a, Cen06, CBIXG08, CEK+01, CSY01, Che02a, CHRS03, Che02b,

CN02b, CL03b, CCZ06, CPPS00, CHP07, CM08a, CQ08, CHJP05, CGH04, DL04, Dam02, Din03, Dod07, DS08c, Doe07, Dra08a, Dra08b, DLM$^+$00, DH04, Elf04, EK08a, EGMG07, Fao01a, Far08, FLMR00, FL04, FP02b, FS04b, Fre08, FS02, GA06a, GRB04, GH00a, GPM01, GPMSZ06, GPFC04, GJ04a, Gem03, Gew03, GJR03, God09, GZZ00, GQ09b, GSR03, GST04, GP00b, GM04, GC04, GL05b, GLP00, Ha03, HHY04, HvS07, HR07, HG09, HC08, HDA09, HC03b, HZ04b, HZM02, Hua00a, HM04, HvP05, Huh06, IPP09, IT07a, JP04, Ji03a, Ji03b, JW06, JK06b, Kak08]. **linear** [KKP07, KRS09, KS06a, KN03a, KR06, Kye03, LT04a, LK03, LCF06, LV03, Leš00, LLM03, LZ09c, LT04b, LWWZ08, LWZ09, LN06, Lip08, Liu02a, Liu03b, LL06b, LwW07, LDS07, LDS08, Lom07a, Lom07b, Lom09, LCP02, LS02d, Luz07, MM05, MH07, Map07, MM07, MT02, MS06, McC05, MMX04, Mei06, MST06, MND01a, MZK00, Mue09, Myš05, Myš06, Nah06, Ned01a, NB03, NZ06, Nie07c, OCK07, OCK09, Okt04, OdAJ02, OS05, Ots01, PV06a, PGRO06, Pet05, PA04, PK08, PCVT04, Pro08, Pry09a, Psa00, PPF02, QT06, Rab04, RY08, RSW05, Reu06, RA08b, RW06, RO02, RW01, Sal09, SdSW05, SdSW07, SdS09, Sch09a, Ser00, Ser04, SC07, Sha00, SSY05, Shi04, Shi06, Sid01, Smi01b, Ste01a, Stę00a, Tab01, TY06, Ter01a, Ter01b, TP09b, TW00, Tov00, Tre09a, Tru07]. **linear** [Uhl03, Val00, VHK03, Var06, VR06, VEB00, Vol04, Wan04, WY06a, WYZ07, WZ07, Wan07a, WB08, WGL09, Wat01a, Wie01, Wu06c, Wu08c, XH08, YWS00, YLX09, YH00a, YH00b, YLZ06, ZWPR06, ZQ07, ZGL09, ZG09, HT09a, Zav07]. **Linear/additive** [Zha04c, Zha05b]. **linearise** [Daw02]. **linearity** [YW07, Zha04b]. **linearization** [ĆDR01, Dra07]. **linearizations** [BMX08, Lop07]. **linearized** [NN01]. **Linearly** [EE04, HHL$^+$09, CŠ08b, CL02c, MŠ04e]. **lines** [CS02b, PPZ09]. **linesums** [EJLS02]. **linked** [BHJ08]. **Liouville** [CWW09, Kos00, LS09c, SC01, SW09]. **Lipschitz** [Bal07, BOP08, CS03b]. **Lipschitz-type** [CS03b]. **List** [Ano02w, Ano03-32, Ano03-33, Ano03-34]. **Lists** [Ano03-35, Ano03-36, Ano03-37, Ano03-38, Ano03-39, Ano03-40, Ano03-41, Ano04-40, Ano04-41, Ano06i, Ano06j, Ano06k, Ano06l, Ano07b, Ano07c, Ano07d, Ano07e, Ano07f, Ano07g, Ano07h, Ano07i, Ano07j, Ano07k, Ano07l, Ano07m, Ano08b, Ano08c, Ano08d, Ano08e, Ano08f, Ano08g, Ano08h, Ano08i, Ano08j, Ano08k, Ano08l, Ano08m, Ano08n, Ano08o, Ano08p, Ano08q, Ano09a, Ano09b, Ano09c, Ano09d, Ano09e, Ano09f, Ano09g, Ano09h, Ano09i, Ano09j, Ano09k, Ano09l, Ano09m, JDS03a]. **Littlewood** [FL07b, Ful00, OT01]. **LLL** [LT08]. **Lloyd** [Böt06b]. **LMI** [FS02, OP05]. **Local** [AMZ07, AMZ09, Liu02a, Pul07, ZJC04, ZYP05, ZFW06, ZPY06, BBL$^+$05, Bör07, Bra07, CS09a, Chu07, GM07b, HS09, Ish06, KP06, Ma09, MP06, MZ00, MOS07, WY04, XL04, ZY02]. **locality** [LMT09]. **Localization** [LN04, GML09]. **localized** [BES01]. **Locally** [MŠ04e, AL09b, ATV09, Cap03, CŠ08b, DvdV00, Kah04, Pac02, vB09b]. **location** [KPT01, MPS06]. **Loewy** [Alt09]. **Log** [Fur09, AB07, Dug08, Per07, Wan03a]. **log-concavity** [Wan03a]. **log-convex** [AB07]. **log-hyponormal** [Dug08]. **log-majorization** [Per07]. **logarithm** [CL01a]. **Logarithmic** [BES02, Igl01, Fur05a, HL04d, Ose08a]. **logic** [Tab01]. **lollipop** [HLZ08]. **long** [OS00]. **look** [CL03c]. **Looking** [SdL03]. **loop** [AMZ04, Dod07, Zus05]. **Lorentz** [Ell04, Hil07a]. **Lorentzian** [Lim07a]. **Lorenz** [Lim07a]. **loss** [HG09]. **lossless** [PHO07]. **Low** [DD09, EOvdD03, Li06b, MR02c, Zus05, AMLM$^+$09, pBlWyXwA08,

BM01a, Bou07, Bra06, CFP03a, DĐ05, Hil08a, LCN04, MV07, ZW03]. **Low-dimensional** [Zus05, Hil08a]. **low-rank** [Bra06, MV07, ZW03]. **low-resolution** [LCN04]. **Lower** [BZ00, CW07a, CW07b, CKW08, JN06, LHSL07, LzZT07, MK05b, Ton04, BH08b, CCRS08, Che04a, CL01b, Das04b, DSW07a, Gre09, KP01, LCW09, MK03, MV04, Tia02, Van07, WV08, Wan03b]. **Löwner** [And04b, Gro01, KP09, Zha00, fur08b]. **LQ** [BF07b, FN07, Sch09a]. **LS** [Pug04]. **LU** [ABH07, ADT06, BJ07, DJM06, MG03, Pan00]. **LU-equivalence** [ADT06]. **LU-factorizations** [ABH07]. **Lucas** [Lee00]. **Ludwig** [Ano06h, FGH$^+$06]. **lumpable** [FLQ04]. **Lyapunov** [AS01, ACK05, CL03c, CL09c, Dam03, GP00a, GX09b, JR06, KN06a, KS06a, KMP00, LS07a, LS07c, LŠ09a, Log05, MSS07, McC05, Neu01, OP05, SS07d, SS07e, Sty02a, Sty02b]. **Lyapunov-Schmidt** [Neu01].

M [BM04d, Ges02, Hog00, Neu00]. **M-matrices** [Neu00, Ges02]. **M-matrix** [Hog00]. **M/G/1** [BM04d]. **M/G/1-type** [BM04d]. **MacDuffee** [BV02]. **machinery** [LL06a]. **MacMahon** [FH07b, Min01]. **Magic** [LCTS09, GS09d]. **magnetized** [GG09]. **Mahalanobis** [GH06]. **Mahler** [Per07]. **Main** [Ano05-31, Bor06, HLZ09, dF00]. **main-diagonal** [Bor06]. **majority** [Ste03b]. **Majorization** [BD03c, AS03, BL00, BLL03, Bon03a, Bul08, Dah01, Dah08, Fur09, HR07, HP01b, KS07a, LP01a, LLY09, Nie01b, Per07, PMS05]. **Majorization-constrained** [BD03c]. **majorized** [Ful00]. **makes** [GV09b]. **Malamud** [FNS01]. **Malcev** [BP06a]. **Manhattan** [CDFM08a]. **manifold** [Arv08, Chi02, PPZ02]. **manifolds** [AMLM$^+$09, IK06, LST08, Pue05, Zus05]. **manipulation** [SLP01]. **many** [CH00a, DS08c, Tre04f]. **map** [Bal07, Bre03, CS03b, CKM05, LRŠ02, MPS07, Nie04b, Tam04, Tka05]. **mapping** [KN03a, MHZU05, Yag01]. **Mappings** [DKL$^+$07, AGK06, Bae07, BD03a, BS00c, CL02b, vGKN09, JLL03, Kuz02b, KO06, Lim05a, Lim05b, Lim06, Lim09b, Lu02b, Pet02, PS03, Pet05, RST01, Rad03b, Ser04, ZX05b, ZX07]. **Maps** [CH08, CL09d, Dol03, FJP07, LŠS07, Mol09, Šem06b, SZZ07, WY08, YZ09, AT07, AH02, AHZ05, AH09a, Aud09b, BBS08, BS09a, Bon09, BBK03, Bu05, CCH02a, CLL05, CFL05a, Che02a, CL02a, CLP03, CD06, DMD03, DP02a, DH04, DHB07, EdRM04, FJ06, Fošo5, GM07b, Ha03, HHY04, HC03a, HC03b, HZ04b, HZ05a, HQ08, HJ08, HHZ09, HBLZ06, Ji03a, Ji03b, JW06, JL09, Ji09, KNR05, Kye03, LV03, LS06b, LTT02, LLM03, LJ04, LS04b, LL05b, LPS05, LP07, Lin03, LL08c, LL04, LN06, LDS07, LDS08, Lu02a, Lu03, MST06, Mol02, Myu09, Nie01b, Nie07c, Nie08, NT09a, Pei07, PR04a, Poo08, Reu06, RA08b, RSW02, Šem08, SC08, Ter01a, WFJ08, YLZ06, YW07, Zha04b, ZYP06, ZZ08a]. **Marchesini** [BKS01]. **marcus** [XXZ09]. **margin** [dDG02]. **Marginal** [Nah06]. **Mark** [Böt06b]. **marked** [CFP03b, CFP04, CP07b]. **Markham** [Yon00]. **Markov** [BLN04, Ben04, BM04d, BD09a, BDKW04, CNX05a, CZ08, CNF08, CM00c, CM01, CDS08, DMM00a, DHFS00, DHZ03a, GAM06, Gue08, GL05b, GS09d, Har06, Hun05, Hun06, Hun08, Hun09, KN00a, Kir04, KNX07, MS04b, MSF05, NX04, PW04, RA08a, THH04, VWD08, VM04, Xue01, Yan02a, Yan09a, ZZ00, Zha04e]. **Markovian** [HLR08]. **masks** [CGR09]. **Master** [FH07b, Min01]. **matching** [CNSM07, FYZ07, GYY09, HL02, MW01b, SS09c, WK09]. **matchings** [BH05, CT03b, CG07a, GLL09, GT02b, GT04, Han07, MN03]. **mathematical**

[Abe08, CPPS00, Log05, Tab01].
Mathematics [Moh05, Per03, Kol05].
Mathias [Lim08b, Yam06]. **Matrices** [AHST09, And07b, Ano03-45, Ano09q, Böt06b, BD03d, CHRS03, CDJ08, EMS06, Fer05, GHS09, JMP09, LRW08, PS08, Par09b, Sev08, SS04b, SS01, SH02, Tak04, Var06, WW07, AMP07, AG00, ALSS08, ACM03, AM02, ACV09, AC05, ASX08, ALdV05, AdLV06, AFM03, AGKM06, AGO09, AHW05, AB03a, Ala05, AB05a, AH08, Alf00, AW02, Alf06a, Alf06b, ARR06, AEI00, AI00, Alt09, AKYD16, ALMS06, Amb07, And04c, AMLM$^+$09, Ano03-44, ACS04, ATU06, AT09, ABH07, AP03a, AM04, AG05a, ADT06, Aud06, Aud08, AH04, AHH$^+$09, ACK05, BD02a, BD03a, BB00, BS02a, BBL03b, BBT03, BH04, Bak04c, BB04a, BBÖ04, BBS04, BHLL04, BB07b, BHJ08, BB07c, BFL05, Bal00, BDK08, Bap00, BJT04, BKN05, BR09, Bar01, BB03a, BM01a, BP03, BW00, Bas02, BE01].
matrices [Bau03, BR00b, BLS02, BSKS05, BN08, BNdP$^+$05, BdPT08, BV02, BLS05, BBS06, Bel05, BEG$^+$07, BOP08, BC00, BCEG09, BFS07, Ben05, BD05, Ben08, BB05c, BBD$^+$08, BZ00, BX04, BSL04, BX05, BLLS06, BGM04, BO05, BMGS06, BM07, BD01a, BK07, BKS03, BGM01, BDG08, Bir04, BJ09b, Boc03a, BPT09, Bol04, Bol05, BKR03, BKR04, BS04b, BCPT05, Bom08, Bon09, BF08, Bör07, Bor06, BC07, BC08b, Bos02, Bos07, BW01, Bot00, BES01, BG02, BES03, BW05, Bou09, BEH$^+$06, BL02, Bra03, BOvdD04, BQW09, BPS04, BCGM08, Bru02b, BD03c, BD07, Bu05, Buc06, BM06b, BFJ07, BJ07, BKN01, BAD09, But06, CSZ01, CW03a, Cal08, CM00b, CMV03, CRU09, CW00a, Cao01, CT03a, CGM05, Cao07a, CS09a, Cap01b, CZ07, CGD05, CHNP04, CNX05b, COvdD09, CP07a, Ceg01].
matrices
[CG00b, CLB09, CP06, CA02, CR08, CD00b, Che03, CT04, CL04a, Che04a, Che04b, CC04, CMX05, CHN06, Che07b, CW07a, CW07b, Che07c, CNSM08, CKW08, CZZ09, Che09, CHL02, CT03c, CLL07, CJVW07, CH07, CL08a, CL08b, CL09b, CS00a, CHSS03, CHR$^+$03, CB06, CLOvdD01, CT01, CFL02, CN01, CN02b, CN09, CHY05, CNTV08, CK03, CJK05, CL04b, CDS08, Cho04, Co08, Chu03, CBD$^+$04, CM09, CL00b, CL03c, CL09c, CFP03b, CS04, CH05, CS01, CP07c, CP08, CFJ01, CS00b, CDS01, CS03c, CS03d, CV07, CI08, Dah00, Dah03, Dah04, Dah05, Dah08, Dah09, Dan06, Dan02, DoMP09, DL92, DL01, DS04a, DLS08, DMM00a, DV07a, DV08, DMMV09, DK06, DD04, DM03, DP04, DJ01, DPZ06, DHK06, Dod05, Doe07, ĐI02, ĐZ04, ĐS08, DO09a, DO09b, Dom00, DA10, DMM00b, DJ06].
matrices
[DH09, DJL01, Dun04, DB06, DB08, EMT05, EG01, EG03, EGO05a, EGO05b, EG08, EFS01, ES08, EFN$^+$03, EH03, EvdD04, Els05, EH07, E$^+$00, FGM03, FN01, FFM03, Fal04, FL07a, FJ07, FH07a, Fan02, Fan03a, Fan04, FJ06, Fan07a, Fan10, FT05, FGR04, FT00, FG02, FI03, FI05, FI07, FI08a, FLM02, FP07, Fer07b, FS04a, FS06a, FM00a, FM00b, Fie01a, Fie01b, FM02, Fie03a, Fie03c, Fie04, FV04, FM04a, Fie05b, Fie05c, Fie06, Fie08, Fie09, FKS02, FS03, FGL$^+$00, Flo09, FNS07, Fošo5, FGR07, FNV08, Fre04, Fri06, FF02, Ful00, FIS02, FJ04, FKY09, GS04a, GA06a, GH03, GL01, Gar03, GT02a, GT08, GW04a, GW07, Gav03, GP03, GR00, GJ04a, GVD08, Gem08, Gen00, GŞV02, GI02, Ges02, Gha01, GN00, Gil01].
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[Gla04, GKvS04, GN03, GKW00, GHM03, GH09, GT09, Gre09, Gri00, Gri04, Gro01, Gro06, GP07, GL09, GZ01, GZ03, GG07, GS00, GS09d, GGCB07, HNT03, Had04, HLW01, HLR04, HL04b, HL04a, HLG04, HL04c, HLW05, HL07a, Han07, Hao04, HPP05, HTK07, Hei01a, HR01, Hei02a, HR03a, HR04, Her03, Hia09, HP09, Hil07a,

Hil08b, HH05, HSZ08, Hog03, HS07b, Hol08, HS02, Hol05, Hon02, Hon06, Hon08, HP04b, Hor02, HS06b, HS08, HL01, Hou03, HZY05, HLS00, Hua00b, HSL05, HW05b, HT05b, HC06, HBLZ06, HW07b, lHH08, Hua08b, HMT$^+$08, HST08, HP01a, HKKZ03, HP04c, HL04e, Ikr01, Ikr07b, IHM08, Ips00, JT04a, Jef05, JSU03, JS01a, JS01b, JDS03a, JO04, JMT05, JO05, JR05, JS07b, JS07c, JDS08, JTU03, Jør05, JPB08, JB08, Kap00, Kar05a]. **matrices** [KSU03, Kar07, KV06, KH09, Kes01, Kes07, KTR08, KS02, KR04, KSH05, KS08, KN04, KPT01, KNX07, KP08, KS01, Kle04, KS09, Kle07, Kob05, KD07, KR03, KPV04, KR06, Kol02, Kol03b, Kol09, KH01b, KH03, KH08, KP02, KMS00, KMS01, KLMS03, KMS05b, Kra01, KT08, KMS05c, KM07, KS06d, KLM01, KS07a, Kur04, KC03, KO06, KZ03, KLY09, LŠ07b, LS07a, LŠ08a, LŠ09a, LMMT01, LR02, Las06, LZ08a, Lás07, LL08a, LM06a, LX08, LN03, LM06b, LS00b, LP01b, LM02, LHS02, LTT02, LS02b, Li03, LS04b, LR05c, LL05a, LHS05, LSD06, LW07, LP07, Li08a, LR09, LB04, pLLfY06, Lim09a, LCN03, LT04b, Lin02a, Lip01, Liu02b, Liu03a, LHZ04, LH04, LY06, LHF06, LYY07, LSH08, LLHK08, LC09, Liv04, LT03b, LM04b, LM09b, LMT09, LQ00, LPG03, Lur05, Lur06b, LM09c, Mae08]. **matrices** [Mai01, Mal09, MB07, MS00a, MM03, MSS07, MP05, Mat04, MW09, MW03b, McM09, Meh00, MR01, MR02a, MMX04, MRR07, Mel09, MS04d, MPP10, MQ06, Mir00, Mir03, MSS08, MND01b, MND01a, Mol08a, Mol05a, Mol08b, Mol04, Mou06, Mul05, MR02c, Nab07, NDS02, Nah06, NY07a, NBdP05, NM04, Ned01b, ND05, NT02, NS08a, NRW02, NS03, NS02, Nie08, Nou06, O'L03, OV06a, OPS07, OZ03b, OZ03c, OS01, OSvdD02, OS00, OP05, Olk02, OOT06, OV06b, Ost03, OWY07, Ovs03, Pac02, PRW01, pPyHZ05, PW08a, PRS02, Pat04, PP01a, Pat01, PR01, PP01b, Peñ03a, Peñ09, PW02, PHZ06, PV06b, Pet02, PS07, Pet09, Pfa08, Phi04, PES07, PR02c, PR04b, Pop01, Pro05, PH09, Pry09b, PT03, PT06b, PH00, PG04, QD09, Rao09, RS03a, RS06a, Rob02, RS05a]. **matrices** [Rod08, RS03b, RR04c, RS09, Ruk01, Rum03a, Rum03b, Sak01, SS06a, SS07b, SS06b, Sat05, Sav03, Sav06b, Sbu05, Sbu08, Sch04, Sch02c, Sch09c, SXKM03, SSA05, Sem07, Šem03, Ser09, Ser00, Ser04, Ser08, SH00a, SH00b, SS02, SHS03a, SS05a, SSY05, SLR06, She00, She01, SZZ07, SS09d, Sil00, Siv09, Šmi04, Smi01a, Smi01b, Smo08, SHRC03, SKBS08, Sot03, Sou05, Spi00, SZ08, SK00, Ste06a, Ste05a, Ste07a, Str03a, SBS02, Stu03, SM09b, Tad06, TR01, Tak00, Tan01, Tan03a, Tan05a, Tan07, Tan08, TY06, TSOA07, Tao06, TRH01, Tar05, TH00, Tia00, TS01, TT09, Ton04, TE05, Tre02, Tre03b, Tre04a, Tre04b, Tre04d, Tre04e, Tre05, Tre06, Tre08, Tre09a, TL03, TS06, Tsa01, Tyr04, Uhl01, Urb04, Val02b, VPV01, Var03, VLA03, VLA04, VS04a]. **matrices** [VS04b, VS05, Ves00, Wal05b, WW08a, Wan06, WZZ00, WB01, wW02, WM05, WA09, Wan09c, Wat05, Wat06, WG02b, WD05, WLBZ06, Wer08, Wim01, Wir09, Woj03, Wu05a, Wu06a, WD06, WLL07, WZCL08, Wu08a, XX03, XZ06, XCX01, XHpS06, XS04, Xu04, XQ08, XS08, XXZ09, XLG$^+$13, Yah04, Yah06, Yam01, YYZ05, YC00a, YH04b, YH04a, YLZ09, Yan09b, Yin04, Yin05, YT04, YLS05, YSS07, Zal03, ZM03, Zen01, Zha07a, ZJL02, Zha03a, Zha05b, Zha05d, yZtLC06, yZXtL07, Zha07b, ZZJ08, Zha09, ZW00, ZHZ08, Zhe02, ZHZ03, ZXZ08, xZxGpL09, Živ06, dF00, dFP01, dSF09, dHM07, dlP03, vdH03b, vdMSR01, vdMRS06, Ano06g, FMN04, KS00b, Lin02b, Neu00, SH00b]. **Matricial** [CF02]. **Matrix** [Ano02s, Arp05, BHNR03, BdL04, BLL06, Bou06b, Buk07, CXZL02, Cap01b, CNX05a, Che05, Cig01, Cod00, CCM00, DS02, DZ01, Dod08a, Dod08b, FGT03, FP04, Hig08,

HK00, Hog03, HS09, HP01b, HKSS03, JS04, KS09, Mei05, NT06b, OTZ09, Pap00, Pih04, Rod09, Ste05b, Tům06, Uhl04, VR06, XDS08, XDS09, Zyg02, dMR07b, vdD09, Abd08, AEEG08, AA09, AJF09, AFS09, ABW05, Ala05, Alf03, Alf05, Alf08, Ali09, ABB00, ABR02, AADL03, ADL04, Alz01, AMZ07, AY03, And04a, ATU03, ATU04, ATU05a, ATU05b, AHK$^+$05, AHLR09, AD08, Arp03, AG04b, AS09, AYC06, AM05, BMNA08, BZ06, BBS02a, Bak04b, BB04c, BB07a, BST09, Bap03b, Bap05, Bap06, BLP06, Bat06, BT00, Baz03, BLL03, BGLS05, BG09a, BI03, BBC00, BN05, BS03a, BS00c, BHdST06, BI00, Bén06]. **matrix** [BB03b, BT05a, BB09, BK00b, BH06, BK08, BLM02, BB03c, BLM03, BM04d, BR01, Bol02, Bor08, BR07, BD03b, Bot09, BU07, BLFS09, BL02, BFPW02, BM05, BT04b, BGO09, Bri05, Bri01, Bur05, BLO02, BCG07, BMX08, CC09, CCH02a, gCZ03, CW03b, CZ05, Cao09, Cap01c, CL01a, CGP04, CHNP04, CC03, CA02, CH00a, CC00, CEK$^+$01, CL05a, CX05, CK01, CK02, CNP02, CN06, Chi04, CL02b, CLP03, CL03b, CL05b, CL06, CDS04, wCL04, Cig07, Cof03, CK04, CSK01, CHL01, CM08b, Dah03, DLMO07, DH01, Das09, DSW07a, DH00, De 00, DDM08, DD09, DW09b, DS03a, DTGV06, DP00, DP01, Dob01, DP02a, Dol03, DJM06, Dra07, Dru02, Dru04b, Dru08c, DL08, DLT08, Dun07, DP02b, DD02, DV07b, ES02, EGG07, Eis06, ESP05, FJTU00, Fan07b, FP02a, Far04, FM07a]. **matrix** [FI03, FLROV05, Fen03, FT07, Fer05, Fer07a, FS06b, FG08, FVP06, FN00, FN03, FH04, FKL03, FKS09, FMS01, FJ03, FMS05, FJ05, Fur05b, GPM01, GPS01, Gav00, GJ04b, GZ07, Gil04, Gil08, Gin09, GR07b, GKL07, Gra05, Gra02, Gre02, GT06a, Gro00a, Gro00b, GTT01, GT06c, Gu01, GX09b, GZ08, GWW06, Gut01, GM09b, Ha03, HHW00, HLT04, HH00, Han02a, HT07a, HP00, HR07, HIU04, Has05, HES06, HMS01, HB00, Haz05, HG09, Hei01b, Hei02b, HWKS03, HT03, Hil08a, HV08, HLY06, Hog01, Hog02, Hol02, HP03b, HS04, HS06a, Hor04, HC04, HL04d, HdABC07, Hua00a, HS01, HL07c, HL08b, HL08c, Huh07, HKKL05, Ikr07a, IHM01, JH09, JMT04, JR06, JW06, Jia00a, JW03, Jia04, Jia05, JMN08, JK06b, JS01b, JLY01, JOR01, JD02, JO02, JDS$^+$03b]. **matrix** [JO05, JKL09, Kal03a, KPK04, KKP07, KKP08, KV09, KR05, KYAA08, KY00, KN00a, Kir00, Kir03a, Kir06, KMZ00, KN00b, Kle00, KS01, KMS05a, KS05, KS06b, KS06c, Kly00, KB02b, KAP$^+$03, Kro01, KRS03, KS04, Kye03, LR05b, Las06, LL06a, LK03, LN08, Lee09a, LPR04, LS06b, LK09, LRY05, LRŠ02, LTW02, Li05, LS06c, LHSL07, LCW09, LZ09b, pLLfY06, Lim05a, LT07b, Lim07b, Lim09c, LgS01, Lin08a, LG03, LT07c, LSF09, LTT09, LM06c, Log05, LR04, LP00, Mal01a, Mal01b, MS04a, MS01a, Mar02, MP00, MZ05, MT02, MVV08, Mat05a, MP05, Mat07, McD03, MM08, MNV08, Mei06, Mel00, MHZ05, MK03, MGWN06, Mol05b, Mon08, Mor08, MN07, MR02c, NP01, NBdP08a, NBdP08b, Nak03, NV03, NB03, NCV05, NCV08, NT09c, OS09, OA09, Ohn08, Ois01]. **matrix** [OP00, OT09, Ost06, PZ00, PFL05, PG01, PP08, Par02a, PB06, Par02b, PV06a, PEPS00, PPP06, yPyHZ03, yPyH03, hPyHZ07, PMS05, Prz02, PT04, Pug04, Qi09, QC04, Rab04, RRY04, RK00, RL03, RR02, RR04a, Rao00, Ren01, Reu06, RS00, Roc09, Rod07, Roj02, RP03, RS05b, SS06c, SvdD05, Sav05, SS04a, SSMQ$^+$00, SS03a, SS09b, Šem06b, Ser07, Ser00, SS03b, Shi04, Shi01, SHWR02, SV01, SvW05, Sob08, Son00, Son02, SvKHO09, SvR02, SZ04, Sv05, Stę00a, Str01, gSX03, gS03b, SDL06, Sza07, TŻ08, TR02, TR03, Tan03b, Tan05b, Tia02, TS09, Tik06, Ton00, Tov00, Toy09, Tri02, Uch02, VC04, VPV01, Van04, Van07, VWD08,

Ver08, WV08, Wan02, WY04, Wan04, WY06b, WY08, WL09a, WL09b, WvdWC09, WG02a, Wil09, Wil07, Win00, Win03, Wri06]. **matrix** [WJL02, Wu05c, Wu05b, Wu06b, Wu08b, Xia03, XD03, XM02, Xu01, Xu03, YMP01, YTI06, Yan01b, Yan02b, YM07, jYxL09, YLX09, YLF09, Zav08, Zha04a, Zha06, Zha00, Zha03b, ZW03, ZyC03, Zha04c, Zha05a, ZgC06, ZH02, Zho03, ZD05, ZXZ09, dSZ00b, dlMW06, vDHK07, vdW02, vdW03, Cra09, Uhl00, Hog00]. **matrix-functions** [BN05]. **Matrix-traces** [CXZL02]. **matrix-valued** [BHdST06, Bol02, CH00a, FKL03, Las06, Wu05c]. **matrix-variate** [Mat05a, MP05, Mat07]. **matrix-vector** [FI03, Hor04, Mel00]. **matroid** [Fer01a, Fer04]. **matroids** [Lem04, LRWW07, Vil08]. **Mautner** [Sud02]. **Max** [But03, EvdD04, Ser07, Ser09, BV07, BSS07, BCG07, But08, Cec00, CCG02, CGB04, Dan06, De 00, EvdD01, EH07, EvdD08, GK07, Gav00, Gav02, Gav03, GP03, LT04a, Lur05, Lur06a, LY09b, Mol05b, Myš05, Myš06, NS07b, NS08b, NS08c, PG01, Pep08, Sem06a, Sem07, SSB09, vdW01]. **Max-algebra** [But03, EvdD04, BCG07, CGB04]. **max-algebraic** [But08]. **max-min** [Cec00, Gav02, Gav03]. **Max-plus** [Ser07, De 00, GK07, Gav00, LT04a, Mol05b, NS07b]. **max-separable** [CCG02, Myš05, Myš06]. **Maximal** [KKABAF06, ORvdD02, Rie00, BB03a, BN08, BC04b, CS05, Cve02, Das09, FGR07, GWL09a, GWL09b, Hae08, HGW02, LZ07, MRR07, PR00, SXKM03, gSX03, TFZ08, Tia00, Wan09b, Woj03, Xu01, ZH02]. **Maximizing** [Dru04b, ZSL09, ZWS09, dKNvD08, TFZ08, vD07]. **Maximum** [HL07a, BFH05, BKK08, CHMM06, DHH$^+$06, Dra08a, Fer07a, FGS05, GJMR01, HB00, JDS08, Kal03b, Lav03b, Lav05, LM09a, Nik09, SM09b, Wan03b, YL08, vdH08a, vdH08b]. **maximum-likelihood** [HB00]. **Maxwell** [VB09a]. **May** [Ros06, ES08]. **Mayer** [PLG02]. **McClelland** [Rad09]. **McMillan** [GM07a]. **MDP** [HST08]. **Mead** [HNX03]. **Mean** [BK07, BK00b, Bha06, BK08, CE09, CM00c, CCW$^+$08, FNT05, FFN$^+$07, HLW06, HZY05, Hun05, JHL05, JLY09, Lim05c, Lim08b, Mol09, MR02b, PW04, RL03, Yam06]. **mean-tail-dose** [CCW$^+$08]. **means** [AM09, AL09a, ALM04, Aud07, BH06, HP09, HK02b, KL07a, KMZ00, KS04, Lim05c, Sch00a]. **measure** [Mat05c, MFPPSS08, Per07]. **measured** [CM00c]. **measures** [DS02, DS03a, HH05, HH09, MBLV01, TZ01]. **mechanical** [PR02c]. **mechanics** [BdL04, Fur06a]. **mechanistic** [PSvdW05]. **meet** [IHM08, KH01b, KH03, KH08]. **meets** [SP09]. **Mellin** [HFR04]. **Mellin-type** [HFR04]. **members** [CHK$^+$01]. **memoir** [Ros06, Sch02b]. **MEMS** [LRK06]. **Mercer** [MPP06]. **Merikoski** [AKYD16]. **Meromorphic** [Pop02, BES02]. **mesh** [Wd09]. **meshes** [ST07]. **messages** [CKZ05]. **method** [Abe08, AEEG08, BF01, BS06a, BX08, BBMX07, Ben04, Boj03, BLR00, CS08a, Dah05, DH01, DH03, Dax03b, EG01, EGO05b, Elf04, EvdD01, FK04, FS08, GM09a, GT06a, GX09b, Gug08, Had04, HNX03, Hoc09, Hol00, JR09, KYAA08, KH01a, Kos00, Lan05, LCF06, LMV03, Li01, Li03, LA05, LMT09, Mat02, MH06, MSW09, MPS00, MPS03, NN01, QX08, RS06b, SK08a, Sch00a, SK08b, TI08, VHK03, Vos07, Yam01, ZZY06, fur08b, vdW01, Bag08]. **Methods** [Ano03-43, Chi02, FMN04, AAA$^+$02, BRM01, BW03, BGN08, BW08a, BKPW08, BLO02, CLR00, CRS03, CW02, CDS04, CHP06, Dek09, DTGV06, ESP05, FH06, GGL08, GS03a, GL06, Gra04b, HV01, HLY06, Hog01, Huh05, JH09, JMT04, JR06, KKP07, KHG04, LS00b, LS01, LA05, LWZ09, MS00a,

MM03, MS04b, MP06, MN08, MR02b, OS05, Pet08, Plu01, Pul07, Rih01, RT01a, Rum01b, SL06, SP04, Sol06, TR03, Wan07a, WB08, XZ06, Zem07, ZBY09, dSQS00, vdVN00]. **Metric** [Fin00, PPZ09, BT04a, Bha03a, Dit00, HHT06, JNL05, Jai06, Lim07a]. **Metrics** [FF04b, And07a, Dit00, GMR+07, HP09, ZQ07]. **Micchelli** [Bar05]. **Mićić** [FG03]. **microarrays** [FNC06]. **middle** [KS06e]. **midpoint** [LL08a]. **mildly** [BW03, WM05]. **min** [Cec00, Dan06, Gav02, Gav03, GP03, NS08b, NS08c, Sem06a, Sem07]. **Minc** [CW05]. **Minimal** [AD06, AMLM+09, BB03b, Bru02b, CMV05, CŠ08b, CLY07, Dam03, FZ04, HMH01, Kun06, OS09, Ost03, PR02a, ÁFMNW06, Aga02b, AVV05, BFH04, BCRS08a, BCRS08b, BW01, Cal07, Dob01, GI02, GW02, Guo02, HW07a, KVV09, LPR04, LL09a, Lip05, MR09, OV06b, RT03, RP00, SH00a, Tia00, Val02b, Var03, VJ06, Wan09e, WK09, Wie01, YSL08, ZJL02, vDK07]. **Minimal-volume** [Ost03]. **minimally** [Ma09]. **minimax** [Xia06]. **Minimization** [Tre04e, CW00b, FS06b, Sav06a]. **Minimizing** [FWG08, FYL06]. **Minimum** [BJ07, DHH+06, YL06, AHK+05, BF07a, BFS08, BGL09, BFH+08, Che04a, FKP03, FH07a, FP07, GWW06, HHL+09, Hog08, JMN08, KSH07, KR08, LHSL07, PBA09, WG02b, XHSZ09, BGL09]. **Miniversal** [CFP03b]. **Minkowski** [Chu08, GK07]. **minor** [Bal07, GT06b, JLMC05]. **minors** [BF08, Chu03, EMBV03, GT06a, GT06b, HK03, HvdH07, JS01a, KMS01, KLMS03, KMS05b, KM07, Mal01a]. **minus** [BBL03a, BH04, BJ09b]. **Miroslav** [Ano07n, BHN+07]. **missing** [FNC06]. **Mixed** [HZY05, Uch02, WWJ09, AD04, Fan03b, Jia04, Kle00, yPyHZ03, Rod07, ZL02, ZL03]. **Mixed-type** [WWJ09, yPyHZ03]. **Mixing** [Hun06, Hun08, Hun09]. **mixture** [Kle04]. **MixturEs** [AFCC04]. **ML** [Lin02b]. **ML-matrices** [Lin02b]. **mode** [Ois01, Ste09]. **Model** [AD05, GVV03, GA06b, Lan08, RW06, WSW06, AdO02, BS06a, CNX05a, FKLN07, Fre08, GH00a, GP00b, GM04, Gug08, HL05b, IPP09, Kir05, LCF06, LRK06, Mat07, Pen06, PSvdW05, SS09c, SdL03, Sty06, TVB08, TP09b, ZZ00, ZGL09]. **model-order** [LCF06]. **Model-updating** [Lan08]. **modeling** [BF01, PA04]. **modelization** [CHP08]. **Modelling** [smbH02]. **Models** [Ano06f, BDE03, Dra08c, BB04d, BDKW04, CGXL08, DKS04, FMZ06, FK04, GA06a, HDA09, Jia04, KMZ00, KN00b, LS06c, Liu02a, Lom02, LS02d, MD02, Nah06, Peñ08, Smi01b, SvR02, THH04, TBK09, TP09b, Vol04, Wu08c, Zen01, dMFZ09]. **moderate** [JN06]. **moderate-density** [JN06]. **modern** [Vin00]. **modification** [EG01]. **modifications** [BB04c, Bra06, HNT03]. **Modified** [LS00b, BBT03, Bo02, Dax00, Yos07]. **Modifying** [EvdD01]. **Modular** [Cur07, XCX01]. **Modulated** [Ano06f, CBIXG08, CGXL08, HC08, SK08b]. **Module** [VZ02, Pic07, Woo02]. **module-behaviour** [Woo02]. **modules** [AR06b, BS03b, CZ05, Dom03, FYY09, FP02a, vGKN09, Gun03, HJM09, Har07b, Ish06, OZ03a, OZ03b, OZ03c, Ovs03, PR07, Sha09, Ter02, XS08, Xu09]. **moduli** [Bad08, TW00]. **modulo** [CGP04, PW08a, VLAOVL08]. **Modulus** [HT09a]. **Moerbeke** [BT04b]. **moment** [CH00a, CH01, DS02, FKL03, HC04, JKLP03, MS01a, NT02, PH09, Pue07, Tka05]. **moments** [GN00, LRW08, Mei05]. **Mond** [MPS00, MPS03]. **Mond-Pecarić** [MPS00, MPS03]. **Monge** [Fie01a, Fie06]. **monitoring** [Bol01]. **monoid** [CGGGSR01]. **Monoidal** [Gun03]. **monoids** [RGG01]. **monomial**

[EMBV03, GLS07b, SV06b, Vil08]. **Monotone** [BB05c, Gav02, SV01, Auj03, BJ09b, CKMS02, Dit00, Fur02, GHI09, Han09, HZ02, OT09, Sza07, fur08b]. **Monotonicity** [Fur08c, Hia09, Lav03b, BT07a, Dru08c, GRB04, GSR03, IK09, JS07a]. **Moore** [PP04a, BBT03, BB07a, Bap00, BOvdD04, Fie03b, FGM06, Gro00a, KDC07, KS07b, Li08d, MD09, Pat01, Pat03, XH08, Xu09]. **Mori** [Dit00]. **morphisms** [GV09a, YC01]. **Morrison** [Map07]. **Moser** [CL03a]. **most** [GOTR07, LM09a, MCEC06, PBT04, Ste03b, vdH03b, vdH08b]. **motion** [TKX08]. **Moussa** [Hil07b, LS09b]. **Moving** [HS07b, KS01]. **MST** [LRK06]. **Muir** [Ano03u, FL07b, Mar05]. **Multi** [Bos02, AMM06, Bos07, CWW09, CtBDC09, Kes01, KFGK04, MN08, WA09, ZTK09, vdMSR01, vdMSR03]. **multi-agent** [ZTK09]. **Multi-companion** [Bos02, Bos07]. **multi-criteria** [KFGK04]. **multi-index** [AMM06, Kes01, vdMSR01, vdMSR03]. **multi-interval** [CWW09]. **multi-level** [MN08]. **multi-spectral** [WA09]. **multi-way** [CtBDC09]. **Multialternating** [GZ07]. **multicollinearity** [ÖA00]. **multicomponent** [GG09]. **multidimensional** [AT08]. **multifilar** [EFN09, EFN10]. **multifilter** [Jia00b]. **Multigrid** [FH06]. **multiindex** [vdMRS06]. **Multilevel** [Tre05, Wd09, Cap01b, FT00, OOT06, Tre04b, Tre06, Tre09b]. **Multilinear** [GN03, BS06b, DV04, DV09, MT05]. **multimode** [TL02]. **multiparameter** [HP03a, Košı03]. **Multipartite** [FGM06]. **Multiple** [CH01, DP04, DJM06, Kel08, Yer04, AA09, DMW08, GV09b, JDS$^+$03b, KM04, KV06, KS06c, KS09, PP08, Rum01a, Toy09, Wan02, Wu05c, XD03]. **multiples** [Dru07]. **multiplication** [BZ06, CS01, McE02, Mel00, SC07]. **Multiplicative** [CFL02, CDL05, Har07a, Lu02b, Mol06b, dlMW06, Alt09, AH02, BPS04, DR05, DJ01, Fan03a, Mol02, O'u02, Poo08, YLX09]. **Multiplicativity** [KNR05]. **multiplicities** [JD02, JDS03a, JKO04]. **multiplicity** [BFH05, CHMM06, DHH$^+$06, Fer07a, JDS08, MZ06, Pic07, dDG02]. **Multipliers** [Joc09b, HN04]. **multiscale** [AAV06]. **multisplitting** [BRM01, BW03, LS01]. **multisplittings** [WM05]. **multistage** [Vol04]. **multistate** [LS06c]. **multivariable** [GPM01]. **Multivariate** [FNT05, KP09, RvdGM05, BL00, CMX05, CNF08, GA06a, Har00b, Liu02a, NT02, TP05, Vin00, Wu08c, YTI06, Ziz04]. **Murdock** [Tre02]. **Mutually** [PR04b, BGS09, Har05, Obl08].

N [Böt06b]. **natural** [De 07a]. **near** [CNR00, CL05a, CM09, Neu01, Tov00]. **near-exact** [CM09]. **near-periodic** [CL05a]. **Nearest** [Gra05, GV09b, Ala05]. **Nearly** [SH00b, DHFS00, HB00, HL01, Li01, LY06, MSF05, Rum01a, Xue01, YLS05]. **nearness** [HTV02, pLLfY06]. **nécessairement** [BCSV06]. **necessarily** [BCSV06]. **Necessary** [VV06, Yan03, TY09]. **necessity** [SH05]. **negative** [ATU05a, CRU09, FM07a, Gro01, GG07, HV08, LŠ06a, Liv04, Mik09, NS02, Nou06, Pat04, TRH01, wW02]. **Negativity** [BMS04, Lad08]. **neighborhood** [Li05]. **Nelder** [HNX03]. **NEPS** [Ste00b, Ste02a]. **nest** [CGH04, FLRZ02, HC03b, HZ04b, HJ08, HQ09, LL05b, LL04, QH09, ZJC04, ZYP05, ZFLW06, ZFW06, ZYP06, ZWC06, ZX05a, ZX07]. **nested** [Sta09b]. **network** [FLPW03]. **networks** [AD05, BBFP04, BSL04, CDFM08a, DN00, EMT05, EH09, RT06]. **Neumann** [CTW01, CL09d, Dru08b, GS04b, JY07b, Kom08, Mol06b, NY02, Oik08, PP01a, Pat01, Rad03b, ZJC04, ZYP05, ZFW06, ZYP06, ZZ08a]. **Neumann-type** [CTW01].

neural [EMT05]. **neutral** [FYL07]. **Nevai** [YMP01]. **Nevanlinna** [ADL04, ADL06, BHdST06, Bol02, CH00a, CH01, GM07a, HdABC07, Wu05c]. **Neville** [ACHR01, ACDR04, CP07c, GT02a, Gem08]. **Newton** [BX08, CKMS02, DH01, DH03, HNV00, HLR08, JMP09, Sch00a, PRW01]. **Newton-type** [BX08]. **Neyman** [IL06]. **Nicholas** [Par09b]. **nilalgebras** [CHP03, CHJP05, HL05a]. **nilindependent** [BPP08]. **nilindex** [HL05a]. **nilpotence** [GLS07a]. **nilpotency** [CGH04, LŠS07, LDS08]. **Nilpotent** [CHJP05, Urb04, Bal03, BC03, BOvdD07, CM00b, DHK06, DO09b, GW08, GR00, HLW05, JLL03, Kah04, KOvdD07, LPG03, Obl08, Ovs03, RM01, Str03b, SM09b, Tan08, Zho00, FJL08]. **nilradicals** [BPP08]. **Ninth** [Ano03-46]. **no** [Hor02, KOvdD07, Omi08b]. **nodal** [Bıy03, BHL$^+$04, DH06, DGLS01]. **node** [MQ06]. **nodes** [EFS01, EF07, Li08a]. **noisy** [Bol05]. **Non** [Ash05, BM04d, DGN02, EdRM04, HV08, LN08, Lem04, ABDD01, BGN08, Bör07, BC04b, Bri01, CCRS08, Don01, ES02, Eld09, EK08b, FKP00, FM07a, GHI09, Gro01, GG07, Har04, Jai07, JTU03, KS06a, Kob00, Lad08, Lim08a, Liv04, Ma09, McC05, McC01, MN08, Pat04, SCS09, Sid01, Ste06a, Val08, WB01, wW02, WB08, Wan09b, XM02, Zha05c]. **non-** [BC04b]. **non-acyclic** [JTU03]. **Non-associative** [LN08]. **non-autonomous** [McC05]. **non-bipartite** [CCRS08]. **non-commutative** [Don01, Wan09b]. **non-commuting** [McC01]. **Non-degenerate** [EdRM04]. **non-existence** [KS06a]. **non-Hamming** [Jai07]. **non-Hermitian** [BGN08, SCS09, WB01, WB08]. **non-local** [Bör07]. **Non-negative** [HV08, FM07a, Gro01, GG07, Liv04, Pat04, wW02]. **non-negativity** [Lad08]. **non-null** [FKP00]. **non-powerful** [Ma09]. **non-product** [Har04]. **non-rational** [ES02]. **non-real** [GG07]. **Non-regular** [DGN02, EK08b, GHI09, Zha05c]. **non-semigroup** [Eld09]. **Non-separating** [Lem04]. **non-singular** [Bri01]. **Non-skip-free** [BM04d]. **non-square** [XM02]. **non-stationary** [ABDD01]. **non-symmetric** [MN08, Sid01, Ste06a]. **non-trivial** [Val08]. **non-uniform** [Kob00]. **Non-vanishing** [Ash05]. **non-zero** [Lim08a]. **nonabelian** [MR09]. **nonautonomous** [Tre09a]. **noncommutative** [AM09, Jøn09, KVV09, Kro01, YFK05]. **noncommuting** [Dru08b]. **nonconstant** [CS03d]. **nondegeneracy** [Qi09]. **nondegenerate** [FKRS09]. **nonequispaced** [NS03]. **nonexistence** [Myu09]. **nonexpansive** [LV03]. **nonextensive** [Fur06a]. **nonhomogeneous** [Yan02a, Yan09a]. **nonincreasing** [HHY04, Lim05b]. **Nonlinear** [Ano06f, DHB07, HHZ09, Lim09b, Mei06, ZZ08a, BW03, BLM03, BSS09, CGXL08, CY00, CKMS02, CKM05, DLT08, ESP05, HES06, HHT06, JKL09, LV06, Lim09c, NN01, RR02, RR04a, Reu06, RW06, Sol06, WM05, ZF07]. **nonmaximal** [LHF06, Wal05b]. **Nonnegative** [Ano03-44, BJ09b, FS06b, FN00, Gro00b, JT04a, KSH05, KS07b, LŠ06a, PPP06, Pit09, SvKHO09, Val00, YTI06, AHH$^+$09, Bau03, BSKS05, BL09b, BNV05, Bon09, BMS04, BMS08a, BD09b, BL02, Bru02b, BAD09, But06, CHNP04, Ceg01, CC01, CL09b, Chu03, CFJ01, Das09, DJKM00, ELN04, ES08, EH07, FN01, Fan02, FM02, FNS07, GN03, Gro00a, Guo02, HNV00, Hua08a, HMT$^+$08, JS07a, JTeG09, LŠ07b, LŠ08a, LM06a, LM02, LTW02, LR09, LM04b, Lur05, MPS07, McD03, MM08, Nab07, NM04, Nou08, NT09c, OSvdD02, PG01, PT03, PT06b, RS03b, RS09, Sav03, Sch02c, SS03b, SdL03, Šmi04, Sot03, SBM05, SR06, Sot06, Sou05, TMARAE$^+$07, VWD08, WD06, ZM03, Zen01, Zha07a, ZyC03, ZH02].

Nonnegative-definite [Gro00b, ZyC03]. **Nonnegativity** [DHZ03b]. **Nonnormal** [Böt06b, TE05]. **nonnormality** [Huh05]. **nonograms** [BSW06]. **nonpositive** [ATU06, CRU09, HL01]. **nonreflecting** [Li06b]. **nonsingular** [BJ07, Fan04, FM00a, Fie05c, FJ03, GH03, LR05c, Peñ03a, SH00a, ZS05]. **Nonsingularity** [BB04a, Hon06, Kol03b, DB08]. **Nonsingularity/singularity** [Kol03b]. **Nonsquare** [PR02b, LPR04, PR02a]. **Nonstationary** [WM05, HT09a]. **nonstrictly** [Kol03b]. **Nonsubstitution** [HBHS05]. **nonsymmetric** [AC05, Fre02, Guo02, Guo07a, RT01a, Wu06a, XD03]. **nontrivial** [RSR00, Roj07a]. **nonuniqueness** [CD00d]. **nonzero** [SHS03a, Wil09]. **Nörlund** [CKW08]. **Norm** [BDK08, CL04b, HK02b, Kit04, MT05, AR06b, Aud06, Aud08, Auj03, BNT05, BV00, BW08b, Con09, Dra08a, EKS01, GWW06, HK00, HL04d, Joc09a, KN04, Kol09, LV03, LR09, Mah07, Mat05b, MZ08, NT01, Oku03, Oku06, Sed04, Sed07, gS02, WL09b, WG02b]. **Normal** [Con09, GR00, Hor02, Mue09, Sav06b, Tov00, AM02, Ala05, Cao09, CT03c, CT01, CN06, CHY05, CL04b, CI09b, CI09a, DS04a, ĐZ04, Dri08, FI07, FI08a, FMZ06, FJ02, GW04c, GHM03, GH09, JK03, Mat05a, MR01, MK03, MD09, NBdP08b, NS08a, Nie07c, Nie08, PH00, Pug04, QD09, Tre09d, Woe04, Zal03, dB00]. **Normalisers** [Haz05]. **Normalized** [Vid07, BJ08, FKM02, Li06a]. **normed** [Con08, LS08b, LwW07, Reu06]. **Norms** [Fit01, And04a, And06, Aud09b, Bar08, Bel05, BK00a, Bou06a, CLS05, Fen03, FT07, FIL07, Gol05, Gre09, GZ08, HZ02, HZ04a, Joc09a, Joc09b, Lás07, Lav03b, Lav05, Li08c, Lur06b, Mae08, Mor08, OT01, PR01, Poo08, Pro08, RT01b, SSA05, TH01, Ton00, Wir02, dSS08]. **Note** [WX06b, WX07a, AM09, Ano04-39, AC04b, Aud09b, BBÖ04, BK03, BR06, BPR03, BC08b, CJ04, CW00a, CW02, CP07a, Cec00, CJVW07, CDS08, CI08, Dah00, DW09b, DRGR04, DA10, EFN09, EFN10, Els05, Fan10, FI08b, Fie03c, Fie05c, FG08, FYK05, GAE02, Guo02, GT04, Guo06b, Hof08, HT05a, Ikr07a, Ips03, Kir03b, KP08, KS04, LT07a, Lešo1, Lešo4, LL05a, LW07, LY09a, Lim06, LHF06, LM09b, Lur06b, MP06, Mou06, Mül03, NS08a, PG01, PX03, Pet05, RSS00, RBTR09, RVZ00, RP03, Sch06, SM09a, Smi08b, Son02, SC08, Ste06b, Str08, Tan09b, THZ09, Tik06, Tre03c, Tre04b, WHBM09a, Xia06, XL04, XQW08, XLG$^+$13, Zha05d]. **Notes** [BK00b, BKMR04a, BMS07, WHAB08]. **notions** [Log05, SdSW07]. **November** [Ros06]. **Novikov** [BDV08]. **NP** [BP02, But08]. **NP-complete** [But08]. **NP-hard** [BP02]. **nucleus** [GH00b]. **Null** [BP03, AAGK06, AH03, CT04, FKP00, KS02, NS07a]. **null-spaces** [KS02, NS07a]. **nullities** [Bap03a]. **nullity** [FQ09, FGS05, GYY09, HXL08, KR06, Li08b, SdSW07, XL05, vdH03b, vdH08b]. **nullspace** [Alf06a, Bor08]. **Nullstellensatz** [RP05]. **Number** [SHS03a, AA07, ÁFMNW03, AG08, BFH04, BFH05, BS03b, CR08, CS03d, FL03, FYL06, FYZ07, Fer01a, FJ02, Gha01, GYY09, Gut08, HW07a, HKKL05, HL05b, II09, KSH07, KN06b, LLT05, MZ05, MW01b, NX04, Nik07c, NCV05, RS03a, Ros09, SW03, Sil00, SAH08, VLAOVL08, XHSZ09, ZF07, dSZ00a]. **numbers** [AJF09, BS09b, CL08b, CL09b, CHY05, EL01, Fer02, Gol09, HP03a, Lee00, MS03a, MS00b, Ste07a, gS02, TS03, Yan02a, Yan09a, Zha07a]. **numerators** [Hag07]. **Numerical** [ABB00, AVV05, BLdP04, FQ04, FMN04, GW04b, GW04c, GW07, GW08, Guo04, HHW00, Mat01, MBLV01, Psa00, Sty02a, Toy09, Wu02, WGT09, Abd05, And06, BLdPS05, BdPT08, BBMX07, Boc03a,

BAGS06, BS04c, BBP03, BLO02, BG06, Cal08, CL01a, CSSZ01, CC01, CL00a, CT01, CN01, CN02a, CN02b, CNP02, CN06, CN07, CKŻ06, CH00b, DS04a, DLS08, DKS04, DHK06, Dra08a, Dru08a, Ed05, FGM03, GGM+09, GW03a, GW04a, GW09a, GS08, GJK04, HHZ09, HLS00, INOY03, JO02, Kar09, Kru04, KS06d, LMMT01, Lešo2, LZ00, LTW02, LPS05, LP07, LR09, Lin02a, MS04b, MPT02, MK05b, NP01, NBdP05, NBdP08a, NT09c, RS05a, Ros05, Ros09, Sed01, Yam02]. **numerically** [PT05].

objects [ÁFMNW03]. **oblique** [AC09, Čer09, CMS02, LW01, WZ07]. **oblivious** [BZ06]. **observability** [BRR01]. **observable** [CG00a, PPZ02]. **observables** [Mol02]. **observation** [Vis00]. **observations** [BS05b, FI05, FI07, LD02]. **Observer** [Fuh08, FH01, Sun02]. **observer-based** [Sun02]. **Observers** [BO09, HvS07, Tru07]. **obtain** [VV06]. **obtained** [KMMZ04, Roj07c, fur08b]. **Obtaining** [CJPS02]. **Obtuse** [Ceg01]. **occurring** [DH01]. **octahedron** [KO08]. **octonionic** [KKK07]. **octonions** [BDE03]. **odd** [Kar07, Kov02, Mel01, Nik08b, ySZyY06]. **off** [BC07, BC08b, dSZ00b]. **off-diagonal** [BC07, BC08b, dSZ00b]. **oil** [HFR04]. **Old** [dA07, BMS08b]. **Oliveira** [Ano03t, Ano05-31]. **Olkin** [Ano04v, Mat03]. **OLPS** [Hag07]. **OMC** [Dru07]. **omitting** [Hog00]. **Omladic** [CL07a]. **One** [CL09a, Ral03, BB04c, BdHZ05, BS00c, BS03b, gCZ03, CL06, CDJ08, DS07, DJ06, EGO05a, EL01, FGWG07, Fer07a, Fur04, Fur07, GR03, GHS09, Hol08, JLL03, KN06a, Kuz02b, LŠ09a, LRŠ02, Lim05a, Lim05b, Lim06, Lim09a, LWZ09, Nom05c, Ose08a, Peñ09, RY08, Sav03, Sav04, Sav05, Sav06b, Sed07, Ste09, Str03b, Ter02, Ton04, YLZ06, xZxGpL09]. **one-parameter** [BS03b]. **one-point** [GR03]. **One-sided** [Ral03, RY08]. **ones** [BD03d, CL08b, Sbu05]. **only** [CDJ08, GHS09, LP09, Ose08a]. **onto** [Ha02, Ple07]. **Open** [HS02, AMZ04, CW05, CK08, HL07a, Peñ08]. **open-loop** [AMZ04]. **opérateurs** [Fao01b]. **operations** [FMZ06, Huh06, WSL09, dMFZ09]. **Operator** [CZ07, FNS01, Fur03, Fur07, Gus02, Gus09, LT05, Mos09, Abd05, AKGC09, AD06, AD03b, Auj00, BKR06, BDK08, Bha06, Bra07, CGM05, Cao07a, CZZ09, CN06, CL01b, CHL01, CH08, Di 03, DM02, Dra06, DK04, Dug01, Dug04a, Dug04b, Dug05a, Dug08, Dup03, EG03, EKS01, ES01, FYL07, FYY09, Far04, Fei04, Fer01b, FP02b, FST04, FYK05, Fur02, Fur05c, Fur06b, Fur08c, Fur09, GHS06, GHI09, Gus00, Han09, HZ02, Ho03, HC03a, HZ05a, Ili08, IK09, JL09, Kri05, Kru04, LMMT01, LSD06, Lin07, LwW07, Lu02a, Lu02b, MPT04, McC01, MŠ04e, MZ08, NN01, Oku06, Ose08a, RST01, RDxC03, Sch03, Sed04, Smi01c, SZ04, Uch02, Wu02, Xu08, XSG08, YKF05, Zar06, ZZJ08, ZX05b, Zhu07, ZX07, Ziz04, fur08b]. **operator-theoretic** [Zar06]. **operator-valued** [EKS01, ES01, McC01, Smi01c]. **Operators** [Böt06b, ABP09, AGP08, AHZ05, AH09b, ACS06, BL00, BS02c, BLS02, BG09a, BLdP04, BS09a, BD02b, Bon03b, BGS09, Bör07, Bou05, BK09b, Bur06, CD00a, Cal07, CMV05, Cao05, CPR03, CŠ08b, CDL05, CN07, CCH02b, Con09, DK08a, Dam03, DH03, Del01, Din03, DKL+07, DH09, Dra06, Dra08a, Dra08b, DKP08, Dru08a, DD05, Dug05b, Dug06, DJ07, FJP07, Fao01a, FQ04, Fur04, GW08, GMP08, GV06b, HHY04, HN04, HK02b, Hir05, HK07, Hir09, HO01, HHZ09, HM04, HHT06, JK06a, Jia09, JLL03, Joc09a, Joc09b, JLY09, KP06, Kal03b, KL07a, Kit04, Kit09, KMP00, KS07b, LP01a, LŠS07, LL08b, LS08b, LP09, Lin07, LRR04, MB07, MA06, MS04c, Mat01, MPP06, MŠ04e, MPS03, MT06, Mol09, MZ08, NBdP05,

NZ06, Nie09, OT01, PR01, PM05, PWZ05]. **operators** [Pro08, RY08, Sch08, Sed01, Sed07, Ser08, SC07, She03, SW09, Str06, TY08, TU02, TUC04, Tan03b, Tic05, TE05, Tup08b, Tup09, Tur00, Tur05, WZ07, WFJ08, Wie01, Wir09, XH08, XS08, Xu09, Yah08, Yam06, YLZ06, Zha03a]. **optics** [CPPS00, PEPS00]. **Optimal** [BS00a, HH05, HP04a, JSWT05, Mae08, Mas09, MQ06, Ose08b, RW01, SAAF08, TVB08, Tic05, Wu06b, Ye08, ZW03, ÁFMNW03, ÁFMNW06, BM01b, BF07b, CJVW07, DZ01, FN07, HT09b, HBHS05, HH09, Li01, LY05, MD02, MW08a, MW08b, hPyHZ07, PWZ05, Udd09, ZHZ08]. **optimality** [Bag06, Dru04a]. **Optimally** [Kol02]. **Optimization** [AHH$^+$09, HLW06, BC04a, CLPT06, CCW$^+$08, Dah01, DLZ03, GB06, KFGK04, Pue07, Sch02a, SK08a, ZM08]. **Optimizing** [CLOvdD01, BLO02, FNV08]. **orbit** [BB03b, CFP04, Fao01a, NBdP08b, PPT04]. **orbital** [dST05, dST06]. **Orbits** [Sem06a, Sem07, CM08a, Gao03, GX09a, Gew03, GN09, LT03a, LP09]. **Order** [Ano02-29, BFSV06, Fošo5, SL06, TH00, BF01, BB05a, BB04d, Bar08, BGL09, BJ09a, BJ09b, BD07, CDMGP06, CLVV06, CNF08, CL09c, CK04, DJMS09, DV04, DDM08, Dun04, EGO05a, EGO05b, Fre08, FKN02, Fur02, FG03, Fur08c, Fur09, GPMSZ06, GN00, Gro06, HL07a, HZM02, HL04e, IK06, JY07a, JY07b, JL03, Kes07, KL07a, KS06a, KKK07, LCF06, LV06, Li06b, LRK06, Lin07, LT03b, LS09c, MM05, MPS06, Mei05, MPS03, Nik09, PM05, Pet08, RW06, Roj07b, Sav03, Sav04, Sav05, Sav06b, Sen07, ySZyY06, SC01, SS06e, Wan02, WWJ09, WG02b, WSW06, Yan01a, YSL08, Zho03, tBSR04]. **order-index** [HL07a]. **order-one-quasiseparable** [EGO05a]. **Ordered** [Hag07, BM05, CSWM01, DH03, HL00, Her03, Leg04, Mou06, SS06d]. **Ordering** [CH03, LG06, Wan09e, WK09, YLT05b, Zha07c, ZLC09, BZ06, Fer03, Gro01, Gro06, Ili09b, KP09, KS07a, Leg04, SGS08, Zha00]. **orderings** [BBL03a, GML09, Gut01, HMS01, Nie00]. **orders** [BBL03b, BH04, BHLL04, HP02, Woj03]. **ordinary** [CLL07]. **orientation** [GHO02]. **oriented** [GTT01, MQ06]. **originating** [CKZ05]. **ORQI** [Dax03b]. **Ortega** [Ben08]. **orthant** [BNV05, Lav03b]. **orthant-monotonicity** [Lav03b]. **orthocentricity** [Fie09]. **Orthogonal** [BN08, DD02, Hog08, Ver08, ASK$^+$08, BBS02b, BBK07, BT09a, BT09c, BBD$^+$08, BPR03, CMV03, CMV05, CS00a, CHR$^+$03, CDJ08, DP04, ĐZ04, FMZ06, FK04, GHO02, HPP05, Ish04, JR09, Jia00b, KRS03, LV06, LSS00, MHZU05, MHZ05, OPS07, Ohn08, PB06, Ple07, Pou01, SSW05, Tre03c, TZ03, Uhl01, VV06, YMP01, dST05, Dax03b]. **Orthogonality** [BFS07, LS02b, BLR00, Dug00, Dug01, Dug04b, Rie00, Tur00, Tur05, dST06]. **orthogonalization** [Dax00, Eld06a, Pop01]. **Orthogonally** [vGKN09]. **orthonormal** [DK06, LZ00]. **orthostochastic** [Co08, NBdP05]. **Orthosymmetric** [SS08b]. **oscillating** [DK08b, LRR04]. **oscillatory** [FFM03, Fal04, FL07a, FM04a, GT08]. **Ostrowski** [Kol03a, Yua00]. **Ostrowski-Brauer** [Kol03a]. **Ostrowski-Reich** [Yua00]. **other** [BBS06, GN03, GS04b, Stu00, Ter01b]. **Out-of-band** [EG08]. **Outer** [Bap03a, Rob02, CC00, DvdV00, GZZ00]. **outlinks** [dKNvD08]. **Output** [RRH02, EG02, HZM02, LV06, RZ01, RZ04, RZ05, Ste01a, Sun02, Zen01]. **over-relaxation** [XZ06]. **Overcomplete** [AFCC04, AEB06]. **Overlapping** [BPS04]. **Oxford** [Böt06b].

P [GSR03]. **P.** [Ant07]. **PA** [Par09b].

packings [dW03]. **Padé** [BF01, CL01a, DP00, Fre08, Gu01]. **Padé-type** [Fre08]. **Padé-via-Lanczos** [BF01]. **PageRank** [KHG04, dKNvD08]. **pages** [Böt06b, Rod09, Tům06, Bar05]. **pair** [CSZ01, CL03c, DJ01, HTV02, MS06, Nom05a, NT06a, NT06b, NT06c, NT07b, NT07c, NT08c, NT08b, NT09a, PP02, PPZ05]. **paires** [Fao01b]. **pairings** [GHM03]. **Pairs** [BKR03, BGS09, LRWW07, Rod08, AC04a, AC08, AI00, BS02b, BR00b, BLS02, BZ05, BBL+05, CNSM07, wCL04, DKL+07, FS04a, FS06a, FN09, GS04a, God09, GS00, Har05, Hog03, IT07a, IT07b, KS06a, LR05b, LT07b, LT09, LgS01, Lon04, Nak03, NV03, Nom05b, Nom05c, NT07a, NT08a, NT08d, NT09b, Obl08, SS04a, SS03b, SvdE03, Ter04, Vid08, Vid07, Wu06b, Wu08b, Zha03a]. **pairwise** [EvdD04, FGR04]. **Paley** [Ren07]. **paper** [smbH02]. **Papers** [Ano02q, Ano03v, Ano03t, Ano03u, Ano04u, Ano04v, Ano04t, Ano05p, Ano05q, Ano05r, Ano06f, Ano06g, Bar05, Ano02r, Ano05-33, BHN+07]. **Pappus** [Don01]. **parabolic** [Dvo03, RT01a, WY06a]. **paracontractivity** [VEB00]. **Parafac** [BSD09, SS07f, Ste09]. **Parallel** [BRM01, ACS06, BW03, BDKW04, DG07, LS01, Mol09]. **parallelism** [BM01b]. **Parameter** [BFPW02, FLPW03, BS03b, Dam02, GA06a, JLMP02, JH09, OP05, PEPS00, TG02]. **parameter-dependent** [OP05]. **Parameterization** [LT03a, KC03]. **parameterized** [BW08a, GRB04, ZBY09]. **parameters** [Bai08, MPS06]. **Parametric** [Fur04, CC06, DTGV06]. **parametrization** [FPP01, FH01, PPZ05]. **Parametrizations** [Jia00b]. **parametrized** [Neu01]. **parity** [Sbu08, Wu06c]. **Parrott** [BBM02]. **part** [Dra08a, GV09b, GT06a, GT06b, vGKN09, KS01, Lan05]. **Parter** [BGM08, KS08]. **Parter-vertices** [KS08]. **Partial** [ACG08, Bha03b, FH00, ATU06, BF01, BBL03a, BBL03b, BHLL04, BJ09b, BW01, Cap03, Fan07b, Gro01, Gro06, Gut01, HMS01, HMH01, JTU03, KC03, KC06, Lop07, Phi04, Sha09, Urb04, Woe02, Woj03, Zha06, vDS05]. **partially** [ASX08, AEI00, CDS01, HDA09, Kro01, Leg04, SS06d, Sil00, TP09a]. **Particular** [BB07a, XH08, BBdH09]. **partition** [BD08, Fon00, HBHS05, XZ06]. **Partitioned** [Dek09, Aud06, Aud08, BS02a, BBS04, BB07a, GP00b, Gro00a, MB07, TT09, XH08, Xu09]. **Partitioning** [dW03, ACHR01, ACDR04, ST07]. **partitions** [BD06a, BFP07]. **partly** [ZS05]. **parts** [LŠ06a, Ste07a]. **Pascal** [AG04b, AG05a, BT00, CK01, SZ08, VS04a, YM07, ZW00]. **pass** [HOP06]. **passage** [BDKW04, CM00c, Hun05, Hun08]. **Passivity** [FKLN07]. **Passivity-preserving** [FKLN07]. **Path** [DWD07, BFH04, BFH05, BS04a, BKK07, DH02, JS07b, JS07c, Omi08b, RM09a, YC00b]. **path-recursive** [YC00b]. **path-simplex** [BKK07]. **path-subsimplices** [BKK07]. **pathlengths** [Hig06]. **pathogen** [PSvdW05]. **pathway** [Mat05a]. **Pattern** [Ruk01, AT09, AHK+05, COvdD09, CL08a, CJK05, EOvdD03, GL01, HLW01, HLR04, HL01, LHS02, LHS05, LY06, LSH08, Ned01a, SV07, SS05a, SLR06, SBS02, Stu03, Wil09, YSS07]. **pattern-shaped** [Ned01a]. **Patterns** [BAGS06, EJLS02, JS00b, AHL+09, BOvdD07, CV05, CVV09, CHMM06, Dah08, DH00, DHH+06, DHH+07, ĐJ07, DJOvdD00, GLS07a, Hog00, Hua08a, Hua09, KOvdD07, MTvdD05, MS08, ML02, SG03, SSG04]. **Paul** [Ano07o]. **Pauli** [HNPT06]. **Pauline** [Ano04u]. **PBW** [CD05, GML09]. **PCG** [VWJ08]. **PDE** [LV06]. **PDEs** [JL03, ZWPR06]. **Peano** [BZ06]. **Pecarić** [FG03, MPS00, MPS03]. **peculiar** [Val02a]. **penalty** [HDA09, IL06]. **pencil** [JH09, KKP07, KG09, XM02, vdW02]. **pencils** [BB03b, CN02b, Cof03, DDM08, Dod08a, Dod08b, GPM01, GPS01, Gil04,

Gil08, KKP08, LK09, Meh00, MMX04, MNV08, Pap00, Psa00, Rod07, SS04a, rWQ02, XD03, Xu06, dSZ00a]. **pendant** [Guo05d, GW09c, LZS09, WXH05]. **pendent** [GL08, HW07a, Li08b, YL06]. **Penrose** [BBT03, BB07a, Bap00, BOvdD04, Fie03b, Gro00a, Gus09, KDC07, KS07b, Li08d, MD09, Pat01, Pat03, PP04a, XH08, Xu09]. **Penrose-invertible** [MD09]. **pentagon** [LM03]. **per-antisymmetric** [Yin05]. **Pereyra** [BEG+07]. **Pereyra-type** [BEG+07]. **perfect** [BSD09, BH05, CT03b, GLL09, GT02b, GT04, Han07, JNL05, MN03, WK09]. **performance** [ACHR01, RO02]. **period** [Gav00, Mol05b, YC00b]. **Periodic** [CJK05, Sat05, dlP03, AKGC09, BRVS08, CL05a, CN07, wCL04, CP05, Kre06, LgS01, Liv04, Ots01, Ser09]. **periodically** [AFL00]. **periodicity** [Lad08]. **periods** [AKGC09, HL04a]. **peripheral** [McD03, MM08]. **permanent** [AFM03, Bri05, LB04, Sch09c, Wan03b]. **Permanental** [Sou05, Pat08a]. **Permanents** [ABH03, CHSS03, HL04e, BN04, CW05, CR02b, GN03, Han00, RS03a, RS06a, Sbu05, Sbu08, SHRC03, WlW07]. **permutability** [AG04a, TY06]. **permutable** [AGK06]. **Permutation** [CB06, Cig07, Dah09, Tad06, ALSS08, CW04, HP04b, LTT02, Nah06]. **Permutation-like** [Cig07]. **Permutationally** [PR04c]. **Permuted** [But08]. **Permutohedra** [OV06b]. **Perron** [Bap03b, BN04, Bom08, CLL05, DW05b, EvdD08, FN01, GN05, Kir03a, Kol08, Lin02b, Lu02c, LN04, MPT02, MNV08, MV04, Neu00, Nou06, Nou08, PT03, PT04, Rum03b, Sav03, Sav04, Tam04, TRH01]. **Persistently** [HTK07]. **Personal** [BKMR04a, Ros06, Sch02b]. **perspective** [TG02]. **Perturbation** [AH03, CX05, wCL04, CMP02, DT03, Fre04, GKW00, GJW02, HJM09, HM04, Iva05, Jia05, KAP+03, KL07b, LZ09b, LgS01, Ste06c, gSX03, gS03b, Ves00, WZ07, XWD06, Xu01, AB03a, AB03b, BBdH09, BS00a, BJ09a, BM04e, CMP03, CM01, DDM08, DD09, Din03, DS07, DMM00b, Eis06, Gon05, HIU04, HI06, HS09, Ips00, Ips03, LS00a, Li00b, LW01, Li08c, Lip05, gLgWmW08, Nak03, NS08a, RA08a, RR02, Rod06, RS09, SS00, SS03c, ST00, ST03b, Ste04, Sty02a, WLBZ06, Xue01, YLF09]. **Perturbations** [YMP01, AGP08, BdHZ05, BdHZ08b, BdHZ08a, BOP08, BM06b, EOvdD03, Fer02, HP07, Peñ03b, Rum06, Smo08, YWS00]. **Perturbed** [KFGK04, AH04, EN09, FKS02, FB05, HTK07, Hun05, Hun06, KH09, LL05a, LS09c, RSW05, Zem07, vdMSR03]. **Perturbing** [GG07]. **Peter** [Ano02z, Ano04-44]. **pfaffian** [Lop07, Mat05c]. **Pfaffianization** [GZHT05]. **Pfaffians** [KRS09]. **pg** [Brü03c]. **pg-critical** [Brü03c]. **phase** [KB02a, LG04]. **phases** [Had08]. **Philadelphia** [Par09b]. **Photo** [Ano04-42, Ano04-43, Ano04-44, Ano07n, Ano07o, Ano07p, Ano08a, Ano08r, Ano09n, Ano09o, Ano07a]. **physical** [Bai08]. **physics** [BLdP04, DLMO07]. **PI** [KYAA08]. **Picard** [HH00]. **Pick** [Las06, Bol02, BKR03, BKR04, CH00a, CH01, GM07a, HdABC07, Wu05c]. **PID** [HBLZ06]. **piecewise** [Bon09, ÇS02a, RW06]. **piecewise-linear** [RW06]. **Pierce** [HPP05]. **piling** [OT09]. **pivot** [ND05, Tsa00]. **Pivoting** [BKO01, Bol01, Dax00, Hig00, Yeu04]. **placement** [CR03, EG02]. **places** [PFL05]. **plan** [SK08a]. **planar** [Gri04, ST07]. **plane** [DMD03, FF04a, FF04c, MS05]. **planes** [Kes00, Kes07, LL06b, Tag04, Wat01a]. **planning** [CBIXG08, CCW+08, SK08b, TVB08]. **plant** [PSvdW05]. **Plemmons** [BN00, SMK09]. **PLS** [PRP02]. **plus**

[CG00b, De 00, GK07, Gav00, Hei01a, Hei02a, HR03a, LT04a, Mol05b, NS07b, PVV08, Ser07, SH05]. **Poincaré** [Dom00]. **Point** [CNP02, WA09, AFR06, BW08a, Cao07a, FG08, GVV03, GRB04, GR03, HMR09, Mat05c, NY00, OS05, Ple07, Rih01, TU02, XWD06, ZBY09, ZX05b]. **points** [AA09, AKGC09, Alf05, Ano03-31, BM04b, CGG02, De 07b, Guo03a, Guo08, HL03, HH09, Hol02, HQ08, Kir03b, MW03a, Neu01, Pug04, TUC04, Wie01, Wu09, Zhu07, ZXZ08, ZXZ09]. **pointwise** [dBS08]. **Poisson** [AL09a, Wer09]. **polar** [DoMP09, De 07a, De 08, De 09b, FI08b, GK09, HMP09, gLxW02, Li08c, LY09a, MPP10, Smi08b]. **polarization** [DV09]. **Polaroid** [Dug06, AGP08]. **Pole** [CR03, CHASG02, DN05a, EG02, GW02, Zho03]. **Pole-shifting** [CHASG02]. **Poles** [Wym02, SS09c]. **polydisks** [BR01]. **polygon** [Mir03]. **Polygonal** [RT03]. **polygons** [DHZ03a, GW04b]. **polyhedra** [Kar07]. **Polyhedral** [SV06b]. **Polynomial** [BB03c, BM06b, DLS08, JH09, Sci02, TTM02, Yan01b, Alf06a, AY08, AMZ07, AVV05, BD02a, BD03a, BJT04, Bas02, BM04a, BLM02, BMP00, BD01b, Bor06, BD06b, BL02, BP09, BG06, Cal07, CFL05a, CNP02, DS04a, DT03, DK06, DT09, DS08b, EF07, FGM03, FLM02, Fei04, FVP06, GGM$^+$09, Gem03, GŞV02, Gre02, HT08b, HT02, KV09, KT08, Kru04, OdAJ02, PP08, Per07, PS07, Pet08, Pot03, Pug04, Pul07, Rad03a, RZ05, SS08a, Ste06a, TR02, Tis00, TMARAE$^+$07, Wan07b, YH04b]. **Polynomials** [BHJ08, Wat04a, dSR05, Aga02b, AA09, AvdH04, AADL03, ADL04, Arp03, Arp05, Bat06, BGLS05, BG09b, Big02, BGM01, BC07, BC08b, BD09a, BFPW02, BMX08, CD00a, CMV03, CMV05, Chi04, CLY07, CK04, CDS01, CS03d, DD09, DK06, DW05a, DSW07b, DG03, DV09, DD02, DV07b, FN03, Gao03, GI02, GZ07, Gra02, HNX03, HL00, HT03, HLY06, Hol08, JR09, KPK04, KM04, KKL08, KK01, LK00, Lee09b, LdlP09, Lie09, Lin02a, LM09c, MP00, MS03c, McC01, Mon08, NP01, Nör03, PP08, PT04, Sak04, SZ08, Ter04, Tre03c, TZ03, VPV01, WW07, Wan09a, WO05, Win00, Win03, WD06, Wu08d, YMP01, Yan03, ZJL02, Zyg02]. **polytope** [BFP07, CdFM08b, CdFM09, CW04, DB08, GZ08, HP04b, MS02b]. **polytopes** [AMM06, BF05, DS04b, Hil03, LT03a, OP05, BM04b]. **Poncelet** [MBLV01, Mir03, MS05]. **Pontrjagin** [FYL07]. **Popov** [MSS07]. **Population** [Ost06, Daw02, Har06, Kir05, LS06c]. **populations** [DDvG05]. **portion** [RS05a]. **portions** [BdPT08, BS04c, CN09]. **Portugal** [dSQS00]. **posed** [CRS03]. **posedness** [CLPT06]. **poset** [Fošš05, Wu06c]. **posets** [BFL05, Zav03]. **position** [Alf05, JDS$^+$03b]. **positions** [Hog00]. **Positive** [And07b, BSL04, BS04b, CHP06, CM08b, Dam04, FGR07, Ha02, Has05, HDA09, JS07b, JS07c, Peñ09, Qi09, Var03, XS08, Amb07, AC04b, Aud06, Aud09b, BGN08, Bal07, Bar01, BB03a, BX04, BX05, BF08, Bou05, BRS00, BCS02, BRVS08, Brü03c, Buc06, BAD09, CMP03, CC09, CLL05, CC03, CR08, CX05, CLL07, CL09b, CL07b, CS01, DH03, Dat08, DA10, DJKM00, DL08, FJ07, FJ06, FM00b, Fie06, FS03, FVP06, FF02, Gar03, GJ04a, Gen00, Gil01, Gla04, Gol03, Gro00b, GV06b, Ha03, HvS07, HES06, HTK07, HP09, HZY05, HHT06, JS00a, JO04, JO05, JT04b, KL07a, KNR05, Kit04, KLM01, KC03, KZ03, Kye03, LL08a, LM06b, Liu02b, LG03, LHF06, LT03b, MS06, MVV08, MPS03, MND01a, Mol09, NS08a, O'L03, OB01, Ose08a, PM00, PM05, PVV08, RSW02]. **positive** [SV07, She03, Smi08a, SDL06, Ter01a, Vir08, Wal05b, WB01, Xu04, Xu08, YH00b, Zha07a, Zha03b, ZyC03, ZF07, vdH03b]. **positive-definite** [Gro00b, ZyC03].

Positively [Ned01b]. **Positivity** [Ano03v, HK03, BR01, DJL01, Gla02, GG04, Hol03, Hor04, KV06, KH09, Peñ01, Peñ04, SS06a, FMPT04]. **positron** [AG05b]. **possessing** [BES02]. **Possible** [JLY01, JD02, MV04]. **possibly** [BS00b, FG02, Sen04]. **Potapov** [FKRS09, FKR09, Las06]. **potence** [Hua09, SC08, YW07]. **potences** [WY08]. **potent** [BT05a, Hua09, SBS02, Stu03, ZgC06]. **potential** [AH09b, GL01, Mas09]. **Potentially** [BOvdD07]. **Potter** [LM09b]. **pour** [Del01]. **power** [AG00, BM04d, CH00a, CH01, CHP03, CHJP05, De 09c, EvdD01, Gin09, HK02b, Hon08, LDS07, RM09b, Sak04, SDL06]. **power-associative** [CHP03, CHJP05]. **power/** [ZgC06]. **powerful** [CJK05, LHS02, LHS05, Ma09]. **powers** [AG05a, BHLL04, BCG07, Che04b, Che07c, CLL07, De 00, FJ07, Fer04, FS03, HP01a, Kir00, PG01, Ser09, SS04b, TR03, Tan01, THZ09, Wer08, Zho08]. **pp** [Kol05, Par09b]. **practical** [AEB06]. **pre** [AR06b, Bén06, Min01, PR07]. **pre-distance** [Bén06]. **pre-Hilbert** [AR06b, PR07]. **pre-semi-rings** [Min01]. **Preconditioned** [Sol06, BGGC06, CJVW07, FS08, KN03b, Ney01a, Ney01b, Ney06, Ney09, Ovt06c]. **preconditioner** [CJ04, CJW05, CJ05, DV00, FLM02, JW08, NB03]. **preconditioners** [Cap01b, CEK+01, Est05, JL03, KY00, NCCY00, OS05, OT06, Wd09]. **Preconditioning** [BL09a, LCN04, Tům06, CR03, CP03, Che05, DZ01, KH01a, PY09, vdMRS06]. **predictable** [KPP07]. **Preface** [AHST09, Ano02x, Ano03-42, Ano03-43, Ano03-46, Ano03-44, Ano03-45, Ano07s, Ano07q, Ano07r, Ano09p, Ano09q, AHR+07, BKvdV06, BKM+04, BPV06, BHKL05, BKMR04b, BBVR08, BLL06, BGKW07, BFW09, BKMR08, CNTV08, CHR07, CFKS08, DKNS05, EMS06, GLQS09, HHLP01, IMS+09, KMOT05, LS04a, LWZ05, PSW00, PSW02, PSW04, PSW05, RRY01, VHM04, dOQSZ06]. **prehomogeneous** [AFK02]. **preordering** [Gro01]. **prescribed** [ASX08, AMZ06, AM05, Bor06, BC07, BC08b, CSZ01, CDS04, CS00b, CDS01, CS03c, CS03d, Dod05, Fon00, FIS02, Fur08a, Gra05, GV09b, Kro01, LM06b, O'L03, PP08, PS08, Sil00, Sot03, Yin04, Yin05]. **prescription** [CCW+08]. **presence** [BP02, Ste06c]. **presentations** [BL02]. **presented** [Ano05-33]. **preserve** [AT07, BS02c, BLS02, DKL+07, Fer05, GR07b, JLL03, Zha03a]. **preserver** [CL03b, GLP00, TW03]. **Preservers** [LR09, LT07b, LT09, Mol03, AG04a, BLL03, BSKS05, BGLS05, BGJS06, Bru03b, CZ05, CC01, CFL02, CDL05, CL05b, CL06, CHL01, CGH04, Cui07, DDHL08, Gut01, HR07, Kuz02a, Leš02, Lim08a, Lim09a, LT04b, Nie07c, RP00, SKBS08, Tan05b, TY06, YT04, Zha04c, Zha05a, Zha05b, ZgC06]. **Preserving** [BBG09, AH02, AHZ05, BL00, BGLS04, BG09a, BS00c, BOP08, BBS08, BS09a, Bu05, CCH02a, gCZ03, CPR03, CFL05a, CLP03, CFL05b, CD06, CL09d, DP02a, Dol03, DG07, DH04, DHB07, FJ06, FJP07, FKLN07, FL04, Fošo5, FG03, Fur08c, Fur09, GR07a, GM07b, HC03a, HC03b, HZ04b, HZ05a, HJ08, HHZ09, HBLZ06, lHH08, Ji03a, Ji03b, JW06, LP01a, LTT02, LLM03, LŠS07, LP07, Lim05a, Lin03, LL08c, Mol02, Mol09, Nie01b, Pet02, PS03, Pet05, Poo08, RST01, Rad03b, RSW02, Šem08, SZZ07, SHS03b, SC08, Tam04, Tan03b, Tur05, Wan03a, WFJ08, WY08, Wan09a, XCX01, Yan01a, YZ09, YLZ06, YW07, Zha04b, ZYP06, ZZ08a, ZS05]. **Press** [Böt06b, Moh05, Rod09, Tům06, vdD09]. **pretest** [HDA09]. **Primary** [RGG01, HP03b]. **prime** [Kov02, LZ08b, LL09b, Lin03]. **primeness**

[Str03a]. **primer** [Kri05, PT04]. **Primitive** [AK09b, CHY05, KSH07, MNOvdD08, AFS09, BK03, CW03a, CL08a, DOvdD05, GS09a, KSH05, LY06, Ma09, MZ00, Sch02c, SW03]. **primitivity** [BG09a, GS09b]. **Princeton** [Böt06b]. **Principal** [Dah01, GT06a, GT06b, JLMC05, ND05, Sav04, Tsa00, AEK06, ALC06, Bal07, BL05, Chu03, Das09, HAT03, HK03, JS01a, JKO04, LŠ08a, PR00, Sav03, Sav05, Sav06b, Vis00, ZH02, ZHZ08]. **principle** [BKK08, GAM06, GII08, HT08a, Lim09c]. **principles** [Kal03b]. **priori** [RS02]. **prioritized** [CCW+08]. **Probabilistic** [Yeu04, McG06, Str02]. **probabilities** [Gra04b]. **probability** [BI00, HO02, HLR08, MM03]. **probe** [Kap01]. **problem** [AA07, AFL00, AGI00, AP04, ATU03, ATU04, ATU05a, ATU05b, AH03, BB02b, BS00a, BHL09, BGL09, BW00, BSW06, BM04b, BV07, BNV05, Bol02, BMS04, BMS08a, BD09b, BKK08, But08, CGHG06, CKLX09, CW03b, Cen06, Che08, CH01, CZZ09, CY00, CKMS02, CPPS00, CH00b, CI09b, CI09a, CF02, CFP09, DLMO07, DW08, DW00, DN00, DS09, ELN04, EG04, EF07, Fan10, FKL03, GJ04a, GM07a, GT06b, Guo04, HL07a, HD03, HC08, HTV02, HP03a, Hoc09, HJR05, Hog07, Hol05, HC04, HvP05, HP04c, IV04, IO01, JLMP02, Joc09a, JS00a, JT04b, JTeG09, JKLP03, KR07, Knu00, KR08, KMS05b, KMS05c, KC06, pLLfY06, Lim05c, LJ01, LDS07, LM04b, MS01a, MPS07, MS00b, MA07, MZ04, MHZU05, MND01a, Okt04, OB01, pPyHZ05, PES07, PK08, PR02c, Pug04, QX08]. **problem** [RZ05, RS05c, SS09c, SS02, ST00, ST03b, Šmi04, Smi08a, SBM05, SR06, Sot06, Ton00, TMARAE+07, TL02, WF04, WX07b, Woe02, Woe04, XQW08, XLG+13, YLX09, Zav08, ZZY06, dSQS00, HT09a, Zav07]. **Problems** [BLS05, AAA+02, AHW05, BX08, BW08a, BL09a, Bal07, BPV00, BN05, BS03a, BBL+05, BLM02, BS04b, BSS09, BEH+06, BGGC06, CRS03, CWW09, Cap01c, COvdD09, CH00a, CSY01, CW05, CK08, CLOvdD01, CKŻ06, CL03b, CP09, ĆDR01, DT03, DD04, DS03b, Dod08a, Dod08b, DJKM00, FN07, Fie01b, FKM02, FKS09, GGL08, GW02, GZZ00, GL06, GSR03, GJW02, GLP00, HV03, HFR04, HTV02, HT02, HS07a, Hog01, Hog02, Hog03, HS02, Ish06, JH09, JY07a, JB00, JS01b, JDS03a, JTU01, Kak08, Kin05, KN03b, Kon08, Koš03, Kos00, KFGK04, Kro01, Lan08, LM04a, LCN04, Log05, LS09c, MM05, MV07, NN01, OF02, PHZ06, Phi04, PA04, Pue07, Rih01, RT01a, RT01b, RM09b, RS01, Sav06a, Ser00, SLR06, SC01, Sol06, Ste07b, TG02, TW03, Tis00, Tre04c]. **problems** [Tre04d, Tre04e, VHK03, Vol04, Woo02, Wu05c, Zav07, ZBY09, ZHZ03, xZxGpL09, Cra09]. **procedure** [JK06b]. **Proceedings** [Ano07s, Ano09p, BBVR08, BGKW07, IMS+09, dOQSZ06, AHST09, Ano05-34, Ano09q, BLL06, EMS06]. **process** [GZZ00, IPP07, KP09, KS01, KMS05a, KS05, KS06b, KS06c, Mat05c, Pic07, Udd09, vDP08]. **processes** [AFL00, BLM03, GAM06, Gra04b, Har04, IV04, KS01, LG04, Ney09, PGRO06, Per03, Wat04b]. **Processing** [Ano02-28, BBP03, DV04, GGCB07, HLW06, LXW04]. **Procrustes** [Kin05, Tre04c, TL02]. **Product** [NBdP08b, ABB00, ARR06, And04a, AHH+09, BT09c, BLdPS05, BGO09, BKN01, Che03, CL04a, Che04a, CD00d, CL09d, DLMO07, DKL+07, Dra05, Eld02a, Fan07a, FGR07, Gin09, GT06c, GL09, GS09c, Har04, HZ05a, Hua08b, Huh06, JS07b, JS07c, JM09, KSH08, Kin05, LHSL07, LP07, LCW09, Lim05b, LR00, LC09, MMT04, Mat05b, Pit03, RO02, SdS09, Seo00, Ser08, Son00, Tyr04, VC04, Vis00, WZZ00, WZCL08, Xia03, YLT09]. **Products** [EL01, FIS02, Fur08a, NDS02, Oik08, Rao09, ZY02, Ala00, AG05b, Bon03a,

Bot06a, Bou05, CC04, CLL07, CH08, DL92, DL01, DV07a, FJ06, FJP07, FI03, eFLW09, Fie08, Fri06, FK07, FL07b, FMS05, FKY09, GW03b, Gol09, Gu01, GZ03, Hir05, Hor04, Hou03, HZ04b, HJ08, HHZ09, IS09, Jia09, JPB08, LP01b, LŠS07, Li08d, Liu02b, MZ05, MS03b, MS03c, MR01, MRR07, OS00, Pat08b, PW02, QZ07, Rod06, RT01b, She00, Tad06, Tan09b, Uhl01, Wan02, WFJ08, Wat01b, WG02b, ZYP06, ZZ08a]. **Professor** [Ano04v]. **profile** [Had04, HR04]. **programming** [AHW05, BW00, Eld06a, JK06b, Kal03a, LV06, Luz07, OS05, Qi09, TW05]. **programs** [DS08b, Val09]. **progression** [HL05b, YH04a]. **Projected** [GG09, Baz03]. **Projection** [JR06, BS06a, Ben04, CS08a, Cen06, Elf04, Fin00, LW01, Ple07, QX08, Sun05, VHK01, WZ07, Zar06]. **Projections** [And09, ACRS05, AC09, BV00, BD09b, BDD$^+$01, Cof03, CMS02, DL05, Dug05b, FIL07, Ha02, Ili08, Jam07, KRS03, LT07a, Li08d, Oik08, Ost03, Sch09b, SZ04, SvdS01]. **projective** [Ber04, De 09a, Don01, Fri06, HHT06, Lim07a, Liu03b, LL06b, Wat01a]. **projector** [Čer09, MHZU05]. **projectors** [BB02a, BBS02b, BL04, BBL04, BB04b, BK06a, BBG06, BBK07, BBLT08, BT09a, BT09c, BT05b, DWD07, KRS04, Ste06b, dBS08]. **Proof** [BH08b, Che07c, Lás07, Yon00, ABP09, Alt09, Bén02, Ber09, CL09a, Che07a, Cio06, De 09a, DJ06, Fao01a, Ges02, HZ05b, Kra03b, Li00a, Li06a, LR04, PLG02, Sch02c, SMK09]. **proofs** [CK08, Rao00]. **proper** [Kha09, LV06]. **Properties** [BBS04, HWKS03, Sv05, Tre09b, Tre09c, Bae07, BBL03a, BBL04, BLS02, BEG$^+$07, BG09b, BCS02, COvdD09, CR08, CL05a, CJ05, CGPM01, DL04, DW00, FT00, FG02, eFLW09, FVP06, GQ09a, GSR03, GST04, Gri00, GT06c, GZ01, HMS01, Hon08, JLN08, KNR05, KMP00, Lee09b, LT05, LH04, gLgWmW08, LLHK08, MM05, MLR00, OOT06, Ruk01, SV07, Tre04a, Tre04b, Tre06, Tre08, Tsa00, Wan09a, Wu08a, ZM03, Zha03a, ZW00]. **Property** [AGP08, BBS02b, BB05a, BBK07, Bal07, BT00, Bén02, Bha03a, Bom08, BPZ08, Che04b, Chu08, GL05b, Han02a, JB08, KMS05a, KPP07, LS08b, LM01, Nie00, NT01, Nou06, SSSG06, SK00, SG06, vdVN00]. **proportional** [DK04]. **proposed** [Fur05b]. **prostate** [CCW$^+$08]. **protocol** [ZTK09]. **Providência** [FNT07, Fur07, MF09]. **Proximity** [CNX05b, KA06]. **Pruess** [Kos00]. **PSD** [LMT09]. **Pseudo** [Han07, O'u02, Din03, Fio01, GX09a, GWL09b, PT06a, Rie00]. **Pseudo-centrosymmetric** [Han07]. **pseudo-cosine** [PT06a]. **pseudo-distance-regularity** [Fio01]. **pseudo-inverses** [Din03]. **Pseudo-multiplicative** [O'u02]. **pseudo-orthogonality** [Rie00]. **pseudo-symplectic** [GX09a, GWL09b]. **pseudoinverse** [DP01]. **pseudomatroid** [SK00]. **Pseudoprime** [WW08a]. **Pseudospectra** [AA09, Böt06b, MGWN06, CCTT00, HT02, HP03a, TE05]. **pseudospectrum** [MS04a, Rum06]. **psychometrics** [Tak04]. **Pták** [Sch00b, dB00]. **Publications** [Ano07t, Ano05-31, BS05a]. **pull** [And07a]. **pull-back** [And07a]. **Pupkov** [Hof00]. **Pure** [Far04, AYC06, Tre09d]. **purely** [Ahm05]. **Pushing** [BGM08]. **Pyo** [Nie07a].

QBD [Gra04b]. **QD** [Van04]. **Qiao** [Moh05]. **QR}** [Wan01, EGO05b, GVD08, Hig00, HT05b, HT07b, Kar05a, Kre06, SS00, SS03c, ZZY06]. **QR-like** [ZZY06]. **QSVD** [CD00c]. **Quadratic** [Che02a, Kur04, LS02a, LDS08, MH06, BdlP06, BKN01, CKLX09, CLOvdD01, CP09, DMD03, DHZ03b, Eld02b, FT05, GAM06, GI02, Guo04, HV03, HTV02, HZ03, KN06a, KS06a, KTKR06,

Kru04, Lan08, LMMT01, LM09c, MM05, Pre05, Sat05, VC04, VJ06, Zav08]. **quadratically** [ZZY06]. **Quadrature** [DS03a, DP02b, DD02, LRW08]. **quadrics** [CMP02]. **quadruples** [BZ05, CGPM01]. **Qualitative** [Pry09b, JLY01]. **quantitative** [Vis00]. **Quantization** [SSW08]. **quantum** [And07a, BLdP04, BLdP05, DLMO07, FH07b, Fuj05, GII08, HOZ01, Kri05, Par02b, PR02c, PR04c, Ter01a, ZZ05]. **quartic** [Ahm05]. **Quasi** [GJMR01, GHM03, HNV00, OPS07, Ohn08, Suc09, ALdV05, AdLV06, AD06, BJ07, CMP03, DJMS09, DJ07, GT08, HB08, LL08d, LM09b, Zob00, vDP08]. **quasi-commutative** [LM09b]. **quasi-death** [vDP08]. **quasi-definite** [CMP03]. **quasi-diagonal** [ALdV05, AdLV06]. **quasi-equivalence** [Zob00]. **Quasi-filiform** [GJMR01]. **Quasi-isometries** [Suc09]. **quasi-LU** [BJ07]. **Quasi-Newton** [HNV00]. **Quasi-orthogonal** [OPS07, Ohn08]. **quasi-oscillatory** [GT08]. **Quasi-real** [GHM03]. **quasi-regular** [DJMS09]. **quasi-separable** [AD06]. **quasi-thin** [HB08]. **quasi-tree** [LL08d]. **Quasiconvex** [Jan01]. **quasihyponormal** [TU02, TUC04]. **quasiseparable** [EGO05a, EGO05b, EGG07, EG08]. **Quaternion** [ASK+08, CT09, Fan03a, Hua00b, HL07c, HL08b, HL08c, Lip01, Rod07, Str03a, WL09b, WvdWC09, WZCL08]. **Quaternionic** [ĐS08, ARR06, AYC06, BM04c, HS01, PRV05, Rod08, Str06, Zha07b]. **Quaternions** [GTT01, FGT03, FP03, KKABAF06]. **question** [Ben08, CL07a, FL07b, FKN02, Fur05b]. **questions** [Gen00, Hua00b]. **queueing** [BLM02, Gra02]. **queues** [BILM06]. **Quiescent** [Had08]. **quiver** [Boc03b]. **Quivers** [Bad08, Hil03, LH03, Zhu08]. **Quotient** [Dax03b, GV09a, ALC06, FS08, LWZ09, MA03, Ney01a]. **quotients** [BZ02, KA06, Wal05a]. **qustochastic** [Co08].

R [Bot06a]. **Racah** [Ter04]. **radial** [BDG08]. **Radiation** [Ano06f, CBIXG08, CGXL08, HC08, SK08b, TVB08]. **Radical** [MT04, BBL+05]. **radii** [DL03, EFN+03, GŞV02, Guo08, LEL02, MGWN06, NT01, Shi07b, YLT05b, ZSL09]. **radionuclide** [TKX08]. **radiotherapy** [EHR08]. **radius** [And06, AHH+09, BBS08, BNT05, Blo08, BKPW08, BH08a, CT03b, CZ00, CL04a, CN07, Das07, Dra06, Dra08a, Dru08a, FYZ07, GL08, GS08, Guo03b, Guo05a, Guo05d, Guo06a, Guo06c, GS06, Guo07b, GW09c, Ho03, HHZ09, Ind09, Kar09, Koz09, LP07, LSC09a, LR09, Lin08b, LLT04a, LLT04b, LLT07, LL08d, LLT06, Lur06a, LY09b, Mae08, MK05b, MW01a, Mol05a, Mol08b, Nik06c, Nik07c, Nik09, ORvdD02, PJ08, Pep08, PW08b, Roj08a, SS06d, Shi04, Shi07a, SS07c, Shi09, SW04, SAH08, wThY09, WHAB08, Wir02, Wir05, WXH05, WGT09, XHSZ09, XX09, YLT04, YLT05a, YL08, YSL08, ZWS09, ZLS09, ZZ08b, Ziz04, vD07, vDK07]. **Radjavi** [Ano02r, BORŠ04, CL07a]. **Rado** [CKS06]. **Radon** [Eld02b, SvdS01, TZ01]. **Rajendra** [And07b]. **Ralph** [Meh08]. **Randić** [DK07, Rod05]. **Random** [BD09b, Chu07, FMN04, Kly00, Mat07, AG00, AEK06, Bol04, GN00, MW08b, MT05, Olk02, Pic07, She01, WA09]. **randomized** [DM07]. **Range** [Dug00, Dug01, Abd05, BS05b, BdPT08, BS04c, CSSZ01, CC01, CL00a, CN01, CN02a, CN02b, CNP02, CN06, DHK06, Dug04a, Dug04b, Dug05a, FQ04, GW03a, GW04b, GW04c, GJK04, INOY03, JS07a, JO02, Kru04, KS06d, LMMT01, Leš02, LTW02, LP07, MPT02, NP01, NBdP08a, Psa00, RS05a, SS07a, Sed01, SDL06, Wu02, Yam02]. **Range-kernel** [Dug01, Dug04b]. **ranges** [BLdP04, BLdPS05, BM04c, Cal08, CT01,

CKŻ06, GW04a, GW07, GW08, HHW00, KBdP07, LZ00, LPS05, Lin02a, Mat01, MBLV01, NBdP05]. **rangespace** [Alf06a]. **Rank** [AGK06, AH02, AP03b, Bal00, CGH04, DV07a, DV08, HC03b, Jør05, Lim05b, Sed07, SMS09, TS01, YLZ06, AAB+07, AFS09, AG04a, AHK+05, AHL+09, BB04c, BB03a, BFH04, BF07a, BFS08, BM01a, BGL09, BW00, BS02c, BLS02, BGJS06, BBG09, BL09b, BS00c, BR06, BFH+08, BBC05, BW01, Bra06, Buc06, CRU09, gCZ03, CHNP04, CHY08, CKŻ06, CL05b, CL06, CFP03a, CCM00, DoMP09, DHH+06, DV04, DD09, EOvdD03, FH07a, FP07, Fon00, Gem08, GQ09a, GP07, HHL+09, HHY04, HR04, Hog08, HBLZ06, JMN08, JLL03, KN06a, KPV04, KR06, KR08, Kuz02b, LR05a, LŠ09a, Las06, LZ09a, Leg04, LRŠ02, Lim05a, Lim06, Lim09a, LYY07, LT03b, MV07, MA06, MG03, OS09, OTZ09, Pan00, Pet09, Pic07, RP00, Sav06a, SM09a, Shi04, Smi01c, SD00, Ste09, Sud04, Tan05b, TY06, TX09]. **rank** [Wat01b, YT04, Yua00, Zha03a, ZW03, ZyC03, Zha05a, Zha05b, Zho03, xZxGpL09, Zit09, tBSR04, tBS06]. **Rank-** [CGH04, HC03b, DV04]. **rank-1** [BBG09, Tan05b]. **rank-additivity** [CL05b, YT04]. **rank-constrained** [ZyC03]. **Rank-deficient** [DV07a, DV08]. **rank-nonincreasing** [HHY04]. **Rank-one** [Lim05b, BS00c, gCZ03, CL06, xZxGpL09]. **rank-one-modifications** [BB04c]. **Rank-permutable** [AGK06]. **Rank-preserving** [AH02]. **rank-revealing** [Pan00]. **rank-structured** [Gem08]. **Ranks** [Ano03-31, CGG02, Dan02, LTT09, WL09b, dSZ00b, BSKS05, BGJS06, CtBDC09, FIS02, Hou03, Tia00, Tia02, Zha04c]. **Rao** [Liu02b, YLT09]. **Rate** [LG04, LZ09c, Til03]. **Rate-tilting** [LG04]. **rating** [Qui07]. **ratio** [FST04, Fur03, Luz07, Seo00]. **Rational** [AHK+05, AHLR09, CHMM06, AI00, AGI00, DH01, Dra07, ES02, FH04, FKL03, JB08, KVV09, LRW08, LCF06, LPR04, LR00, OS09, OA09, OZ03b, OZ03c, PFL05, Sak01, WY07]. **ratios** [BF08, FK07, Wu05b]. **Ray** [SSY05, CJK05, Fan04, Hua09, LHS02, LR05c, LHS05, LSH08, MS08, SS05a, SLR06, SBS02, Stu03]. **ray-nonsingular** [Fan04, LR05c]. **Rayleigh** [Dax03b, FS08, KA06, MA03, Ney01a, Ovt06a, Ovt06b, Ste01b, Wu05b]. **rays** [BLNP01, LM06b, Pat04, BLG01]. **Reachability** [BRVS08, NT09c, CDMGP06]. **reaction** [BKK08]. **Real** [BL09b, Cof03, GŞV02, Gra02, Huh06, Wat06, Wri06, BSKS05, BCSV06, BKU06, BMS08a, CL07b, CL09c, ĐI02, Dra08a, DH04, FGR07, GHM03, GG07, HPP00, HT05b, HvP05, Huh07, JGPI08, JR00, KSU03, LŠ06a, LR05b, Lás03, MPS07, MS00b, OB01, Pet09, Rod06, SBM05, Uhl01, Ver08, WvdWC09, Wer08, Yin04, Yin05, ZX05a]. **Realizability** [Sot06, Alf01, SBM05]. **Realization** [AAV06, AM05, BHdST06, CHMM06, FH00, HMH01, KOvdD07, LŠ06a, MA07, VWD08]. **realizations** [AD06, AMZ07, AHK+05, AC04b, BGKR05, CF02, FN00, GLS07b, HOP06, KS06b]. **reciprocal** [Dah05, WO05]. **reciprocation** [LM09c]. **Recognizing** [Bol05]. **recombination** [Daw02]. **reconstructing** [BKDL01, BLG01]. **Reconstruction** [BDD+01, KN01, RT06, SvdS01, Cen01, CCSS03, FLM02, FNC06, FB04, Hei02b, LCN04, Mas09, NCCY00, Pop08, SLP01, Sci02, SS08a, WX07b]. **reconstructions** [VHK01]. **reconstructor** [CPPS00]. **recovering** [Phi04]. **Rectangular** [EFS01, JO05, Bor08, CRU09, GT02a, GT08, MP05, NY07a, Pfa08, Pop01, YTI06]. **recurrence** [CHRS03, EGO05a, EK08a, EK08b, TR01, dSR05]. **recurrent** [BP02]. **Recursion** [KT08, LdlP09]. **recursions** [DBK05]. **recursive** [MSS08, YC00b]. **Recursivity** [dS05]. **Redheffer** [SN09]. **reduce** [FL04, FLPW07]. **Reduced**

[IK06, LV06, BF01, BT04b, CHNP04, CFP09, Sav06a, VPV01]. **reduced-order** [BF01]. **reducedness** [KPP07]. **Reducibility** [AI00, GW04a, DHH+07]. **Reducible** [LHS05, Stu03, AH08, CL09b, CN06, LY06, MSR06, Wu05a]. **Reducing** [TKX08]. **Reduction** [Ano02-29, BGM04, BS06a, BBD05, BFSV06, BP09, DV04, EGG07, FKLN07, Fre08, GVV03, GP07, GA06b, Gug08, HL07c, HL08b, HL08c, LRK06, Neu01, Pen06, PPF02, Ral03, RW06, RW01, SL06, Sav06a, SA02, Sty06, TI08, Tri02, WSW06]. **reductions** [LCF06, She03]. **reductive** [BS02b]. **redundant** [BDM03, CKS06]. **réelles** [BCSV06]. **Rees** [Vil08]. **Referees** [Ano02y, Ano03-47, Ano04-45, Ano05-32]. **reference** [Tak04]. **refinable** [Thi04]. **refined** [Wu06a]. **refinement** [ALdV05, AdLV06, Nom05a, Wad07, Wd09]. **refinements** [Car09]. **reflections** [Wri06]. **reflective** [ADC08]. **reflectors** [MMT04, SS08b]. **reflexive** [yPyH03, ZX05b]. **Reflexivity** [Bra07, BK09b, DR08, MŠ04e, You07]. **reformulation** [MR02b]. **regime** [Ser09]. **Regina** [Ano07s, BGKW07]. **region** [Li01]. **regional** [LSF09]. **regions** [BI03, HSZ08, Lin02a, LSH08, SS05a, SLR06]. **registration** [FM04b, HHM09]. **Regression** [SvR02, AS02, Liu02a, RvdGM05, Sav06a]. **regressors** [FK04]. **Regular** [HL03, KN00a, SKBS08, AJF09, AH09b, Bal00, BES09, BBG09, Boc03b, CL00b, CP07c, CP08, DJMS09, DGN02, DD09, DKX03, EK08b, E+00, Gav03, GHI09, Hae08, HD03, Jør05, KPK04, Kir03a, KMMZ04, KD07, MSS07, Mik09, Ned01b, Pac02, Pas01, PT06a, Pat01, Peñ03a, Row07, Sch08, SdAdFDV07, Ter02, Wan04, Wu06b, Wu08b, XJ08, Zha05c, vdW02]. **Regularity** [CH06, CR07, Fio01, Fio05, GP03, PP01a]. **Regularization** [HFR04, HS06b]. **regularized** [FB04, LCN04, MLK+04]. **regularizing** [Est05]. **Reich** [Yua00]. **Related** [Rod09, AKYD16, And06, AD08, BB05a, BZ05, BDG08, BD03b, CK02, CLOvdD01, Dah09, De 07b, DG03, DM02, FGM03, Fur05b, GHS06, Gen00, GP00a, GS00, HP09, Hog03, Kol08, LA05, LB01, MHZU05, NBdP08a, OOT06, SdSW07, Šem03, SHZ05, Tyr04, WW07, Zav07, dMFZ09, vdVN00]. **relating** [Dat08, Tan09a]. **relation** [CHRS03, Fer04, KKP07, MW01b, dSR05]. **relations** [AAB+07, BFZ04, EGO05a, GAM06, GPMT06, Nom05b, Oku05, SdSW05, SdSW07, SdS09, Stu00, TR01, Vid07, Zem06]. **Relationship** [GPMT06, Li03, CE09]. **Relationships** [BB04c, BHLL04, BBL03b, Nab07]. **Relative** [EMBV03, Li00b, Nak03, ST00, ST03b, TS06, WLBZ06, AFK02, AS02, BLdP05, DNR04, DMM00b, FYK05, Fur05c, Fur06b, Ips00, Ips03, JS00a, JDS+03b, Kos00, LS00a, Mue09, YKF05]. **Relatively** [PD00, Sch08]. **relaxation** [BRM01, QX08, XZ06]. **relaxations** [DS08b, Hil07a, Jan01]. **relevant** [vdVN00]. **remark** [Alf06b, Fal04, PH00]. **Remarks** [Gro06, Lie09, Ste03b, SS05b, Nie08, SvdD05, Zob00]. **reorthogonalization** [MS03a]. **Reparametrisation** [Kob00]. **repetitive** [PGRO06]. **replicas** [BBFP04]. **Report** [Pue01, Uhl04, LWZ05]. **Representability** [JP04]. **Representation** [Ano03-43, CC00, Bor08, CM00a, CG00a, CI08, DD05, FGT03, Kul01, MM05, SD00, SH09, Xia06, Zhu08, fur08b]. **Representations** [CGD05, CXW09, FKRS09, LR05a, AMZ07, BS00b, Big02, BKU06, BD04, CMV05, CB06, CD05, Dam03, DSW07b, DW09a, DP04, DHK06, Han05, HL05a, Hog08, IS09, Kar04, KV09, LW07, LSS00, MV07, MR02c, PD00, PEPS00, VW00, YY03]. **reproducing** [ABK02, BP06b, ĆDR01, DD07].

reproductive [HL05b]. **require** [AHL+09, HLW01]. **Requirements** [LRK06]. **Research** [Ste07b, Ano05-31, Jef05]. **residual** [TS06]. **residue** [ABR02, EK08a]. **residues** [BES02]. **resistive** [BCEG09]. **résolubles** [BCSV06]. **resolution** [CCSS03, FB04, LCN04, NCCY00]. **resolvable** [BCSV06, BCSV06]. **resolvent** [BS00d, DH03, EFN09, EFN10]. **respect** [ARR06, CLPT06, HG09, JNL05, LS02d, Mar02, MR02a, Mue09, NT07b, Ter01b, Wu08c, Yan01b, ZGL09]. **respiratory** [TKX08]. **response** [MMX04]. **restarted** [AEEG08, MZ06, Wu06a]. **restoration** [NPP00]. **restorations** [HNV00]. **restraints** [Ste05b]. **restricted** [Cal05a, Cal07, CM08a, LZ08a, OO00, YYZ05]. **restricting** [AP03b]. **restriction** [ZGL09]. **restrictions** [Amb07, BZ02, Bou03a, CS00a, MSF05]. **result** [Aga02b, Ala00, Bel05, Bot06a, Fao01a, FG03, GRB04, Kar05a, Lur06b, Mat03, Nie07a, Par09a, SMK09, Stę00a, Wu06c]. **resultant** [AVV05, Gem03, KMS05a, WO05, Win00, Win03]. **results** [BBLT08, BMS06, Bot09, Cap01a, CR07, CIDW06, Din03, DPZ06, FM04a, GH00a, Gon05, GP00a, Hag02, HWW01, LS01, LSC09b, MPT02, MN08, PW08b, RR04c, Šem03, Tao06, WM02, WX07b, dA07]. **retrieval** [Hen07, JB00]. **retrieve** [AEB06]. **retrospective** [TKX08]. **Returnability** [EH09]. **revealing** [MG03, OS09, Pan00]. **Reverse** [BS07, Fur05c, WG02b, BB05a, BLFS09, FFN+07, Fur04, Fur06b, Lee09a, MF09, TY06, Wan02, WWJ09]. **Reversed** [Har04]. **reverses** [Dra05, FNT07]. **reversible** [DHFS00, MSF05, Zha04e]. **reversing** [PM05]. **Review** [And07b, Bar05, Böt06b, Kol05, Moh05, Par09b, Rod09, Tům06, vdD09, SS09d]. **Revisitation** [BT09c, BBT03]. **revisited** [AGKM06, BK08, Gro00b, Ikr01, MR02b, PM08, Smi08a, WG02a]. **Revisiting** [FF04a, FF04c, XXZ09]. **reward** [BF07b, THH04]. **Riccati** [BILM06, Bra03, CFL05b, DSW07a, DD07, FPP01, FB05, Fre02, GRV06, Guo02, Guo07a, HP07, HL09, KTKR06, KAP+03, MM06b, gS02, Xu07]. **Richard** [vdD09, Ano08r, Kol05]. **Richardson** [Ful00, Had05, HR03b]. **ridge** [TY08]. **Riemann** [Zus05]. **Riemannian** [BH06, HP09]. **Riesz** [ACRS05, CL02c, Dug05b, HJM09]. **Right** [LZ09a, BBL03a, DMW08, HR07, HL05a, LSD06, MV07]. **right-hand** [DMW08]. **right-star** [BBL03a]. **Rigid** [GPMSZ06, BCSV06, CS03a]. **rigides** [BCSV06]. **rigidity** [Alf00, Alf01, Alf08, Cod00]. **Ring** [HZ04b, LM03, BBC00, BM06a, Boc03b, CT03a, FM00a, GKvS04, HC06, HL07c, HL08b, HL08c, KPP07, LN08, OWY07, Pat01, PP04b, PG04, WY06a, WYZ07, WL09a, Yah06]. **Rings** [KZ03, Abd08, AGHM04, AR06a, ALC06, AY08, AH09a, Bal00, BS02c, CW00a, Cao01, CZ05, CS09a, CHASG02, CC04, DK08a, GR02, Ish04, Ish06, KDC07, LJ04, LT07c, MW09, Min01, MDK09, MD09, NDS02, PP04a, Pro05, RRY04, RY08, Roc09, SSSG06, SS07a, SSSG08, Tag04, TTM02, Vil08, WY04, Wan04, WY06b, Wan09b, XCX01, YZ07, ZY02]. **Riordan** [CKS08, CK08, LM09c]. **risk** [Mar02]. **Ritz** [GV06b, KA06, Ovt06a, Ovt06b, PS08, SvdE03, Ste01b, VV06, Wu05b]. **road** [So04]. **Robert** [BN00]. **Robertson** [GII08]. **Robertson-type** [GII08]. **Robust** [CCZ06, DW05b, BM04a, BBMX07, Bol01, DS08b, GM09a, Ovt06a, Ovt06b, PD00, PA04]. **Robustness** [MW08a, MW08b, Ovt06c]. **Roger** [Ano05r, Ano07t, Ano07p, Ano07u, BKMZ07]. **role** [BF07b]. **Root** [BdlP06, KB02a, ABB00, BMP00, EvdD08, KKK07, Lu02c, MV04, Roj08b, Sav04, Kol08].

Root-induced [BdlP06]. **rooted** [FGM08, Roj06a, RR07b]. **roots** [AFM03, BPT09, Brü03c, Cho04, HNX03, Ikr01, JOR01, JO02, LN04, Sav03, TZ03]. **Rosenberg** [LEL02, Nou08]. **Rosenbrock** [Lom02]. **Rost** [Ros06]. **rotation** [LR03, Ste07a]. **rotations** [LR00]. **rough** [Ho03]. **Rounding** [SS00, SS03c, DS04b, Ois01]. **Rounding-error** [SS00]. **Routh** [Hol03, Peñ04]. **Rovnyak** [AD03b]. **Row** [BBD+08, ACV09, BdHZ05, BdHZ08b, BdHZ08a, BDD+01, CL05a, CH00b, DS07, HV08, Hol02, Joc09a, Joc09b, JS00b, KPP07, MW03b, O'L03, Sbu05, SH00b, VPV01, BGJS06]. **row-by-row** [CH00b]. **row-stochastic** [CL05a]. **rows** [Dod05, YH04a]. **RSVD** [CD00c]. **rule** [GAE02, HL04b, Sun08]. **rules** [FP02b, Ji05, KMZ00]. **Runge** [Dek09].

S [Ano08r, Kol05, FJ02]. **Saad** [Ste01b]. **saddle** [BW08a, XWD06, ZBY09]. **Sakamoto** [CL09a, Li00a, Mat03]. **same** [Che09, OvdDV00]. **sampling** [Ho03, Ziz04]. **Samuelson** [Nie07b, TP05]. **sandpile** [HWC06, HLW08, SH08]. **sandwiches** [MN07]. **Sanzheng** [Moh05]. **Sarason** [Ala00]. **satisfied** [BHJ08]. **satisfy** [BLS02, Zha03a]. **satisfying** [Bir04, CCH02b, CGPM01, Dug06, EK08a, JK06a, JMP09]. **scalar** [Dru07, Gu01, Kin05, KRS03, MMT04, Van04, Wan06]. **scalars** [BM04c]. **Scale** [Ano02-27, Ano02-29, BFSV06, GRV06, GA06b, Gug08, MPS06, OS05, RM09b, SL06]. **scaled** [Mat02, MH06, Win00, XQW08]. **Scaling** [O'L03, JK06b, JMT05, JLN08, Kal03a, SSB09]. **scattered** [GS04b]. **scattering** [BGGC06, CSK01]. **Schatten** [AMS05, BK00a, Joc09b]. **scheme** [Est05, HMR09, YLX09]. **schemes** [GWL09a, GWL09b, HNT03, HB08, Pry09a, Tag04]. **Schmidt** [Dax00, HK00, Neu01]. **Schrödinger** [AH09b]. **Schur** [JLN08, Poo08, ABK02, AADL03, ADL04, ADL06, BS02a, BBS04, BGKR05, Bon03a, BZ03, CMS02, DW08, Fan02, FGL+00, HOP06, JMT04, LP07, LHZ04, LH04, LLHK08, MS04c, MVV08, Mat05c, McE02, MSW09, PHO07, Reb07, SG09, TT09, Zha00, yZtLC06, yZXtL07]. **Schur-based** [MVV08]. **Schur-multiplicative** [Poo08]. **Schur-type** [JLN08]. **Schwarz** [BPS04, EH03, Las06, Lee09a, MS04b, Wad07, zY08, YLX09]. **Science** [Moh05]. **Scientific** [Bar05]. **Scott** [Han00]. **scrambling** [AFS09, AK09a, AK09b]. **seamlessly** [Nie01a]. **search** [Pry09a, TW05]. **seaweed** [Dvo03]. **secant** [Ano03-31, CGG02, McG06]. **Second** [CLVV06, BLLS06, Dun04, GPMSZ06, GN00, GT02b, GT04, Guo05c, Guo05b, HZM02, JY07a, JY07b, Lim05b, LYY07, LS09c, MM05, SL06, ySZyY06, Sta07, Sta09b, SS06e]. **Second-order** [CLVV06, Dun04, GPMSZ06, GN00, HZM02, LS09c, MM05, SL06, SS06e]. **Secret** [CGHG06]. **section** [FMN04]. **sections** [ABDD01, LRR04]. **sectorial** [AT00, AP03a]. **segmentation** [GMR+07]. **Segments** [NS08b]. **Segre** [Ano03-31, CGG02]. **Seidel** [BPT09, LS00b]. **Selected** [Bar05, Gri00, Wu06a]. **selection** [EHR08, IL06, MQ06, dHM07]. **Self** [Rum01b, CWW09, Del01, GHS09, HZ05a, Lan08, LPR04, MPT04, Mol06b, Pro08, RA08b, SG06, YLZ06]. **self-adjoint** [CWW09, Del01, HZ05a, Lan08, LPR04, Mol06b, RA08b, YLZ06]. **self-adjointness** [MPT04]. **self-congruent** [GHS09]. **self-dual** [SG06]. **self-similar** [Pro08]. **Self-validating** [Rum01b]. **selfadjoint** [BR00b, BOP08, GMP08]. **semantic** [Hen07]. **semelparity** [DDvG05]. **Semi** [vdMSR03, ACG08, AM04, BDKW04, CG00b, DW05a, DS08b, Dom00, HM06, LS06b, Min01, NCV08, Suc09, Wu06a, XS08,

ZBY09, vdH03b]. **semi-continuity** [HM06]. **semi-convergence** [AM04, ZBY09]. **semi-definite** [DS08b, XS08, vdH03b]. **semi-elliptic** [NCV08]. **semi-free** [DW05a]. **semi-Hilbertian** [ACG08, Suc09]. **Semi-infinite** [vdMSR03]. **semi-invariants** [Dom00]. **semi-Markov** [BDKW04]. **semi-refined** [Wu06a]. **semi-separable** [CG00b]. **semi-triple** [LS06b]. **semibounded** [WW08b]. **Semiconvergence** [Wan07a]. **Semidefinite** [Hil08a, Kal03a, AHW05, Aud06, CLL07, Dat08, Eld06a, Elf04, FS03, FGR07, GSR03, HHL$^+$09, JMN08, LV06, LWWZ08, Liu02b, MRR07, Qi09, SDL06, TW05, Val09]. **Semidefiniteness** [JR00]. **semidiscretized** [Sty06]. **semifree** [LK00]. **semigroup** [Buk07, CBD$^+$04, Eld06b, Eld09, HL04c, KB02b]. **Semigroups** [Lešo0, Okn01, ALMS06, Bel05, BO05, BAGS06, CFL02, CV07, Dri08, DLM$^+$00, DK04, Dup03, Lip08, Liv04, Lur06b, PP04b, Ros05, Ros09, Ves03, Yah04, Zal03]. **semimodules** [CGQ04]. **semimonotone** [Chu03, MND01b]. **seminonnegative** [NM04]. **seminorms** [GN05, Lav03a]. **semiregular** [Sat06]. **semiring** [HCLC09]. **semirings** [BGJS06, CK03, PH04, SS09c, SKBS08]. **semiseparable** [FG02, PVV08]. **semisimple** [AGHM04, Kle09, NY07b]. **Semispaces** [NS08c]. **sense** [Yan02a]. **Sensitivity** [Kir05, AB05a, CM00c, DBK05, Igl01, Sun05, XD03]. **Seo** [FG03]. **separability** [BIL06, PR02c, PR04b, Woe04]. **separable** [AD06, CCG02, CG00b, Hil08a, Myš05, Myš06]. **separating** [Lem04]. **separation** [CGQ04, vdH08a]. **separatrices** [Reb07]. **sequence** [BC00, BP02, BRZ04, De 00, Kir00, OT01, PG01, RR04b]. **sequences** [APESS06, BD06a, BB05c, BL09c, Cap01a, Cap01c, Cap03, CK02, CHKS05, EK08a, FKR09, KL07b, MS02b, NT06c, NCV05, NCV08, PT06a, SS09b, TR03]. **sequential** [Cen01]. **Series** [Moh05, AG00, APESS06, AH04, BZ02, BM04d, CTW01, DL04, DS08c, Dom00, FQ04, HW00, KMZ00, Kle00, KS01, KS06c, KS09, Kol05, Sak01, Ste08]. **Serre** [AC08, LB01]. **sesquilinear** [FS07, HS06b, HS08, MR02a, Tup08a]. **Set** [Sha03, AKGC09, Bap00, BD03b, DB06, EE04, FPP01, Har06, KM04, LRŠ02, LCP02, Mol02, Mou06, Nar05, Pat04, PP02, Ros09, She00, Shi04, wThY09, dW03]. **set-chains** [Har06]. **Set-systems** [Sha03]. **Sets** [And04c, DL92, KS06d, APESS06, AGM09, AM05, BKDL01, BLNP01, BIL06, BM04c, Boc03a, Bon09, BG02, BLG01, BDD$^+$01, CT03c, CL08a, CL02c, CS04, Dax06, De 07b, Flo09, GK07, Gro08, Hol08, Hon02, Hon06, JP04, Kol08, KMS05b, KN01, LRY05, LHL08, Mel09, MZ00, MT06, NS08c, SSG04, Shi01, Smi08b, Tre03a, dST05, dST06, sV06a, DL01]. **setting** [ADL06, ATV07, Har00a, KVV09, SCS09]. **settings** [Boc03b]. **Several** [FI05, Liu02b, BM04c, CS00b, CS03c, CS03d, Han02b, HZY05, McC01, Nab07, Pop02, Sak04, Wal05a]. **Shanghai** [Ano09p, IMS$^+$09]. **Shannon** [Fur04, YKF05]. **Shape** [Wan09a, BM01b, CPR03, NP01, Omi09, Vid08, WX06b, WX06c]. **Shape-preserving** [Wan09a, CPR03]. **shaped** [Ned01a]. **shaping** [Eld02a]. **Shapley** [XDS09]. **sharing** [CGHG06, CL03c, DKS04]. **Sharp** [Das04b, Ind09, NT08a, Pan02, SW04, XX09, CCRS08, DB05, Das09, Gro06, KN03b, SHWR02, Zha04f]. **sharpness** [BS00d, Kol08]. **sheaf** [Wym02]. **shell** [CN02a, CN09]. **shells** [Dau08]. **Sherman** [Map07]. **Shift** [SS07b, AD03b, BR02, BRVS08, CG00a, CN07, GX09b, KL07b]. **shift-invariant** [KL07b]. **shift-similarity** [BRVS08]. **shift-splitting** [GX09b]. **shifted** [HSZ08, Mat05c]. **shifting** [CHASG02]. **shifts** [CLY08, DMW08, ZZY06]. **Shmuel**

[Ano09r, BKR+09]. **Short** [Ano09r, BKR+09, Ber09, De 09a, KN03b, Kra03b, Li06a, Str01]. **Shorted** [MB07, ACS04, ACS06]. **Shorting** [GMP08]. **Should** [GC04]. **shrinkage** [HDA09]. **SIAM** [Par09b]. **sided** [ABR02, HS03, Kol08, NP07, PP01b, RY08, Ral03]. **sides** [DMW08]. **Siegel** [EV05, FF04a, FF04c]. **Sign** [AT09, AHL+09, BC08a, CP07c, GLS07a, Hua08a, Hua09, Kak08, SG03, AHK+05, BOvdD07, COvdD09, CV05, CL08a, CHMM06, CP08, DHH+06, EOvdD03, Fie05c, GL01, HLW01, HLR04, HK03, HL01, HKKZ03, HKKL05, KOvdD07, KD07, LRY05, LY06, MTvdD05, ML02, Peñ03a, Rod06, SH00a, Sha00, SH00b, SSG04, SS05a, SLR06, YSS07]. **sign-central** [HKKZ03, HKKL05]. **sign-nonsingular** [Fie05c]. **Sign-solvable** [Kak08]. **Signal** [Ano02-28, Baz03, BBP03, DV04, GGCB07, HLW06, LXW04, PA04]. **signals** [Yer04]. **Signed** [PW02, KS00a, KS02, Ma09, Sha03, SS04b, SS01, SH02, SS02, SHS03a]. **Signless** [CRS07b, CCRS08, Omi09, WHBM09b]. **Silverman** [FPP02]. **similar** [Hei01b, Hua08a, NM04, Pro08, XDS09, ZM03]. **Similarity** [BL05, DH04, HL07c, HL08b, Ji03b, JW06, Rod06, Stu00, Tup09, Wim01, AMZ06, BdHZ08b, BdHZ08a, BBC05, BRVS08, DJ01, ĐZ04, ĐS08, DHB07, Flo09, FMS01, FJ02, FMS05, FJ05, GW04a, GI02, Ji03a, Kob05, LP09, Mil03, Pet05, Pro05, Tov00, Tup08b, VV06, Ver08, HL08c]. **Similarity-preserving** [Ji03b, Ji03a]. **Simple** [CK08, GH03, Har00b, AR06a, BTT09, CL09a, Cio06, Dax03a, Fie05b, GS09c, LZ08b, Li00a, Per03, WLBZ06, XM02, Yam01]. **simplest** [LR04]. **simplex** [BKK07, HNX03, vdW01]. **simplex-like** [vdW01]. **Simplicial** [CPR03, BKK08, BD08]. **Simplicity** [TBK09, SK08b]. **simplified** [FS08]. **simply** [BES02, DDI03]. **simulation** [LG04, TKX08, VM04]. **Simultaneous** [CHPP06, Dob04, Flo09, AL09a, CJPS02, Cen01, CH00b, ĐS08, Dub09, FNC06, GW02, MS06, Pet08, Yah08]. **simultaneously** [LPG03, OV06a]. **Sinc** [NB03, Ste08]. **Sine** [JL03, HV01]. **Singapore** [Bar05]. **Single** [LP00, CHN06, HW05a, KR05]. **Singular** [AC09, Bos07, Bou03a, Bou05, DS09, GRV06, Kit09, Mir00, sV06a, ASX08, AGO09, Aud07, Aud09a, BX08, BK09a, BR07, Bra06, Bri01, Bur06, But06, CW02, CD00d, CM08a, DDM08, DJM06, DM07, Eis06, FG02, FH00, Fer03, Fer07b, Gao03, GX09a, GWL09a, GWL09b, GW09b, HB00, Hoc09, IWL07, JSWT05, LX08, LS00a, LHL08, LWZ09, MS00a, MK05a, Mor08, NS07a, Neu01, Nie08, Ois01, OS00, SS03a, She01, Shi04, Sid01, ST03b, SvR02, Ste06c, Tao06, rWQ02, Wan07a, WGL09, WD05, WLBZ06, Xia06, ZBY09, vDS05]. **Singularities** [KVV09, BB03b]. **Singularity** [KS06a, CH05, Kol03b, VWJ08]. **singularly** [AH04]. **Sir** [Ano03u, Mar05]. **size** [HL02, Kir05, NBdP05, Nik09, OTZ09, Val02b]. **size-classified** [Kir05]. **size-independent** [OTZ09]. **Skew** [AMP07, AM05, BGN08, BLS05, FI05, Hil08b, HHZ09, HW05b, Ikr01, Kah06, KMS05c, LTT09, MHZ05, pPyHZ05, PT03, PT06b, Rod08, Tre04a, Tre04c, Tre04d, Tre04e, Tre05, WSL02, Zav08, MQ06]. **Skew-coninvolutory** [AMP07]. **skew-Hamiltonian** [FI05, Ikr01]. **skew-hermitian** [Rod08, BGN08, HW05b, LTT09]. **skew-symmetric** [BLS05, Hil08b, LR05b, MHZ05, PT03, PT06b]. **skew-tableaux** [AM05]. **skewsymmetric** [HR01, HR03a, Rod07]. **skip** [BM04d]. **sliced** [tBS06]. **slices** [SMS09, TBK09]. **slope** [SS07b]. **slowly** [LRR04]. **SM** [CNTV08]. **Small** [BL02, LL02, BO05, CNX05a, FL03, Fer02,

Hig06, Kah06, Pet09, Ste06c, Živ06]. **small-world** [CNX05a]. **smallest** [AKYD16, MNOvdD08, MVV08, Mor08, SS03a, Zha04e]. **Smith** [Cao09]. **Smooth** [Reb07]. **smoothness** [Thi04]. **Sobolev** [DM02, KLY09, MS01a]. **Society** [Ano03-46]. **Söderlind** [PX03]. **solid** [HD03]. **Solov'ev** [Hof00]. **Solution** [BKR06, FLMR00, Sch09a, BRM01, Bal07, BPV00, BM04a, BILM06, BSS09, CX05, CH00b, DSW07a, Dra07, EF07, GHS06, Guo02, Guo04, HT09a, HV01, JKL09, Kar04, KS05, LS07a, LS07c, Map07, MS04b, MA07, MZ04, NN01, SS02, Sid01, Sty02a, gSX03, WL09b, Xu01, ZD05, vdW03]. **Solutions** [CKLX09, FYY09, YLF09, AT00, And04c, AHLR09, AYC06, Bar08, BT04b, Brü09b, CC09, ÇS02a, CJPS02, CSY01, CL03c, CF02, CP05, CM08b, Dob01, DL08, FPP01, GRB04, GM07a, Gro00b, Has05, HES06, HI06, Hua00a, HL09, Iva05, JW03, JM09, KS00a, KTKR06, LŠ09a, LM04a, LG03, LTT09, MT02, MSS07, MHZ05, OF02, yPyH03, hPyHZ07, PA04, PCVT04, RR02, RSW05, Sha03, SdL03, WSL02, Wer09, WJL02, Xu08, XSG08, Zha03b, ZyC03, ZF07, ZHZ08]. **solvability** [CLPT06, CHP03, CHJP05, Hua00a, Myš06, Wan07b, XHpS06, ZHZ03]. **solvable** [BPP08, Cai03, CS03a, Eic04, GSR03, Kak08, Sha00, SSY05]. **solve** [Log05]. **solved** [RS05c]. **solver** [Gem03]. **solvers** [Bér05]. **solves** [FS08]. **Solving** [AGI00, BLM02, BLM03, JB00, KRS09, LL06a, Lim09c, xZxGpL09, BKO01, DS08b, FK04, GX09b, HC08, JL03, Kro01, LWZ09, MS01a, MM07, MV07, Ned01a, SP04, VHK03, WL03, YLX09]. **Some** [AAB+07, Auj03, BBM02, BS05a, BE01, BMS06, BMS07, BG09b, BKLM06, CC09, Che03, CJ05, CL03b, CT09, De 09c, DW00, DPZ06, Dra05, Dra06, FI07, Fie01b, GH00a, GS03a, GST04, GTM09, GLP00, Hag02, Han09, HWW01, HP04b, Hua08b, JMT04, Kon08, LSC09b, LH04, LLHK08, Mah07, MP05, Nie08, NT06c, PM05, PP01b, Phi04, RM01, RR04c, RS01, SvdD05, TR02, Vol04, WM02, WM03, WX07b, WHAB08, YZ07, Zen01, ZZ09, Zob00, AR06a, AR06b, BBG06, BLNP01, Bér05, Bot09, Bou06b, Cal05b, CLB09, CT01, CS05, CM08b, DS03b, ĐS08, DR08, FGM08, FM07c, Fur08a, GR07a, GSR03, HGC07, Hog00, HQ08, HLS00, JNL05, Jam07, JW08, Joh05, Kar09, Kle07, KMS05b, LM04a, LSC09a, LB01, Mal09, MM03, ND05, Nou06, Pry09a, Rao00, RS03a, RS06a, RS05b, Roj06b]. **some** [RR07b, RT01b, Sch08, Sch09c, Sed04, SHZ05, Shp06, Smi01b, SvW05, SBM05, SZ04, TRH01, TS09, Tup09, Tyr04, Val02a, Wad07, Wu05c, Wu08a, WSL09, XSG08, Yan09b, Zha04a, ZZ08b, ZX05b, dFP01, dW03]. **sont** [BCSV06]. **SOR** [BD04, Yua00]. **sort** [Kle09]. **sort-Jacobi** [Kle09]. **Soules** [CHN06, CNSM07, CNSM08]. **sources** [AFCC04]. **Sourour** [Bot06a]. **southeast** [GV09b]. **space** [ABP09, AAGK06, ATV07, AFK02, AHZ05, And07a, BGKR05, Bas02, BB09, BFPW02, CCH02a, DK08a, De 08, De 09c, DKS04, DD05, Dug05b, FYL07, FQ04, Fur04, FS07, GPMT06, GLS07b, Gro01, GS09e, HO02, HK07, Hir09, dH07, HS09, JS07a, Joc09b, Kar04, Kim05, Kit09, KN00b, KS06b, LL06a, LS02c, gLxW02, LwW07, Mol03, NBdP05, PHO07, Str06, XM02, ZZJ08, Zip03]. **spaced** [Hol02]. **Spaces** [Pet09, ABK02, ABR02, AD03b, ARR06, ATV09, And04a, And09, ACG08, AH03, BB04d, BB05b, BDM03, BP03, BLdPS05, BNdP09, BM01b, BT04a, BR02, Bon03b, BK09b, Cal05a, Cal07, gCZ03, CP07a, CŠ08b, CT04, CL02b, CL05b, CL06, CS02b, ĆDR01, DH03, De 07a, De 09b, DS02, Din03, Đok06, DM02, Dra05, Dra06, Dra08a, Dra08b, DD07, Ed05, Fao01a, Fie03b, FGR07, Fri06, GGM+09, GMP08, GL09, GWL09a, GWL09b, GLW09, HHY04, HL03, HL00, HZ05a, HM04, IS08, Jam07, Joc09a, Kha09,

KS02, Kin05, Kly00, KL07b, LRŠ02, Lim05a, Lim05b, Lim09a, Liu03b, Lom07b, MMT04, MŠ04e, MFPPSS08, NS07a, NP07, OT01, Pat08b, PPT04, Reu06, SdSW05, SdSW07, Šem06b, Ser08, SZZ07, SZ04, Str03b, Suc09, Tan03b, Tan05b, WZ07, WL08, Wie01, YT04, YLZ06, Zha04c, Zha05a]. **spaces** [Zha05b, ZgC06, Zob00]. **span** [QZ07, Tan09b]. **Sparse** [CVV09, CHR+03, JM09, BK06b, Bör07, Bor08, CD00b, CR02b, GZZ00, Had04, RS03a, RS06a, SS06b, TBK09, Wd09, Wer08]. **Sparsity** [CS00a, BPZ08]. **spatial** [Gri00, Gri04]. **spatially** [CCSS03]. **Specht** [FST04, Fur03, Seo00]. **Special** [Ano02z, Ano02-28, Ano02-27, Ano02-29, Ano03v, Ano03t, Ano03u, Ano03-44, Ano03-45, Ano04u, Ano04v, Ano04t, Ano05q, Ano07u, BFSV06, BKMZ07, BKPW08, DOS01, Dod07, FMPT04, FMN04, HKSS03, LGH01, Ano02r, Ano09r, BKR+09, BHRV02, CNTV08, DL04, DP01, DJL01, GHO02, GQ09a, HT08b, LP09, PHZ06, Tak04, Val02a, dSZ00a, Ano05r, Ano05-33, Ano05-34, Ano06f, Ano06g]. **Specializations** [FH07b]. **specific** [LRŠ02, Nie04a]. **specified** [BMP00]. **Spectra** [Ano05-33, Böt06b, LŠ08a, Roj08b, Roj09b, RM09a, TE05, AC05, AB03a, BCDF08, Cao07a, CJVW07, CH06, Cig01, CDFM08a, EH03, FGM08, FM07c, FN03, FIS02, Guo03a, Hag02, HT08b, JMP09, Kly00, LŠ06a, LZ08a, LSD06, LCTS09, Mou06, PV06b, RDxC03, RS05b, Roj06a, Roj06b, Roj07c, RR07b, SS08a, Ter03, Tre03b, WX06a, ZZ09, Ste07b]. **Spectral** [ALdV05, AdLV06, ACS04, ADC08, BvDK08, BM06a, Cap01c, CR07, CL05a, CG07b, DD04, FT00, FYZ07, eFLW09, Fio05, FJ03, GOTR07, HLZ08, JR05, KSU03, LP01b, Mel09, PFL05, SC01, SW09, ST07, Ste06a, Tre02, vdMSR01, AB03b, AT08, AHH+09, Bae07, BP05a, BES09, BBS08, BS09b, BNT05, Blo08, BKPW08, BG02, BH08a, Cap03, COvdD09, CT03b, CZ00, CL04a, Czo05, Das07, DDM08, DL03, DG07, DL05, EFN+03, Fan03b, FWG08, FP03, GL08, GS03a, Gra04b, Guo03b, Guo05a, Guo05d, Guo06a, Guo06c, GS06, Guo07b, Guo08, GW09c, Ho03, Ind09, Koz09, Lan05, LR02, LS02a, LEL02, LSC09a, LR09, Lin08b, LLT04a, LLT04b, LLT07, LL08d, LLT06, Lur06a, LY09b, Mae08, MW01a, Mol05a, Mol08b, Nik06c, Nik07c, Nik08b, Nik09, ORvdD02, Omi08a, Omi08b, Omi09, PJ08, PPP06, Pep08, PR02a, PR02b]. **spectral** [PW08b, RBTR09, Rod05, Roj08a, RS01, SS06d, Sen07, SC07, Shi07a, Shi07b, SS07c, Shi09, SW04, SAH08, Stu00, Sun05, Tam04, wThY09, Tre06, WX06c, WX07a, WX07b, WHAB08, WHBM09a, WA09, Wir02, Wir05, WXH05, Wu06b, Wu08b, XHSZ09, XX09, YLT04, YLT05a, YLT05b, YL08, YSL08, Zen01, ZSL09, ZWS09, ZLS09, ZZ08b, Ziz04, dSQS00, vD07, vDK07]. **spectrale** [BR00a]. **Spectrally** [CV05, DHH+07, DJOvdD00, LN03, MTvdD05, MS08, BOvdD07]. **Spectrum** [GT09, Pet02, PS03, AABS09, AH09b, BJ08, CNR00, DP01, DH02, DBK05, EOvdD03, FGR04, FNS07, Fre04, GM07b, GHK01, JDS+03b, KPT01, Kra04, LŠ07b, LLT05, LzZT07, McD03, MW01b, OT07, Roj02, RS03b, SHZ05, Son02, Sot03, Sta09a, TU02, TUC04, WX06b, Yin04, Yin05, ZL02, ZZJ08, ZG09, vDH03a]. **speech** [LMV03]. **Speeding** [VHK01]. **sphere** [MA03]. **spherical** [Li06b]. **spin** [AD02a, AD05, De 07b, Ha02, PR04b]. **Spindelböck** [BST09]. **spline** [KH01a, RR05]. **Split** [HR04, Mel01, Nom05a, NT06b, NT06c, NT07c, QX08, Sta09b]. **splitting** [BGN08, GX09b, Hei01a, WB08]. **Splittings** [Ben08, CHP06, EFN+03, LWWZ08, Nou08, OS00, WB01, Whi00]. **spread** [FWG08, GHK01, MK03, PSvdW05]. **Springer** [Kol05]. **Springer-Verlag** [Kol05].

Square [HL01, ABB00, DGN02, DDM08, ĐI02, HW05a, HLW06, HS04, HWC06, Ikr01, JOR01, JO02, Kes07, LCTS09, Nov09, Tak00, XM02, XQ08, dSZ00a, dSZ00b, tBS06]. **square-zero** [Nov09, Tak00]. **squared** [AS02]. **squarefree** [DTGV06]. **squares** [AB05b, AT08, BBL03b, BH04, Bak04b, BD09b, Čer09, DW00, EF07, Eld02a, Eld06a, FL04, FLPW07, Fit01, FB04, Gro06, GA06b, GJW02, GWW06, HW05a, Hil07a, JB00, LMV03, LD02, LCN04, MLK$^+$04, NPP00, Nie01a, OCK07, PJ08, PA04, VHK03, WG02b, XQW08, Yer04, ZZ00, ZM08, ZHZ08, Sch06]. **SR** [SAAF08]. **Stability** [AB03b, BKS01, Che02b, GV06a, LCP02, NS02, OP05, Sty02b, Vir08, VEB00, BOP08, BKO01, BS00d, BLO02, CJ05, CP09, CGPM01, CP07b, DB06, FL04, GL01, GŞV02, Had08, HK03, JH09, JLN08, KB02a, KP02, Log05, Lur05, MS06, MGWN06, PV06a, PK08, RA08a, RO02, SvdD05, SMK09, SN09, TSOA07, Wan06]. **stabilizability** [Sun02]. **stabilization** [FS04b, HZM02, KKP08, KB02a, WLL07]. **Stabilizing** [OTC03, GRV06, HL09]. **Stable** [GL00, Gol05, Sud04, BBD05, BKS03, CG00b, FL04, FLPW07, FGL$^+$00, Gem03, HOP06, Kir05, LMZ03, LN03, Peñ04, PT05, SS07a, VB09a, Ves03]. **stacking** [TKX08]. **stage** [BW03, Wan07a]. **staged** [HL05b]. **stagnation** [ZOE03]. **staircase** [Dah08, PHO07]. **Standard** [HLG04, Hil08b, CBD$^+$04, FH00, HC03a, JL09, Lu02a]. **standardizable** [GPMT06]. **Star** [CRS07a, RJ02, AGM09, BBL03a, BH04, BS04a, CT01, GL01, MTvdD05, Row07, Sta07, Sun08]. **star-centers** [CT01]. **Starlike** [OT07, GRTR08]. **stars** [JDS03a, SSB09]. **State** [Dam02, GLS07b, HO02, Lom07a, MZK00, And07a, BGKR05, Bas02, BFPW02, CG00a, DKS04, DS09, FS02, FRY07, KN00b, KS06b, PHO07, RZ01, RZ05, XM02]. **state-delay** [FS02]. **State-feedback** [Dam02]. **state-sharing** [DKS04]. **state-space** [Bas02, DKS04, PHO07, XM02]. **states** [Far04, MT06, Pit03, Ter01a]. **static** [ALCT05, EG02, HZM02]. **Stationary** [Hun05, ABDD01, AAV06, CM01, HW00, Kir06, KS09, MM03, Pic07, VM04]. **statistic** [Dun04]. **Statistical** [AAA$^+$02, AG05b, Rao00, AdO02, BdL04, Fur06a, Jia00a, MP05, Smi01b, Ste05b, dMR07b]. **Statistics** [AHST09, Ano09q, EMS06, BB04d, CM09, FKP00, Gus02, Har00b, MPS06, Sed09]. **steering** [Cen01]. **Stein** [And04c, GP00a, KS01, KS05, LEL02, Nou08, SS07d, SS07e, SG06]. **Stein-type** [SG06]. **Steinberg** [LH05]. **step** [CP06, LA05, Mel01, RM01]. **step-down** [CP06]. **stepsize** [HZ03]. **Stickelberger** [Zen08]. **Stieltjes** [AT00, HC04, Van04]. **Stirling** [CK01, CK02, SZ08]. **stochastic** [ABH03, AFL00, AH04, BBFP04, BLM03, BD03c, CL05a, CS04, Dah04, DH01, Fan10, FPP02, FKS02, FLQ04, FB05, FH04, GAM06, HP01a, HP04c, HL04e, JMT05, Kir00, LTT02, LT04b, MM03, MM06b, Mou06, Nie04b, PV06b, PA04, Sat08, VHK01, XLG$^+$13, Zha05d, Zha09]. **stock** [Gue08]. **Stokes** [Sty06]. **stop** [HP01a]. **stories** [Str01]. **Strang** [Blo08]. **strategies** [CP03, DLZ03, MQ06]. **strategy** [McC05]. **stratification** [Fin00]. **street** [CDFM08a]. **Strengthened** [TW05]. **Strengthening** [BGS00]. **Strict** [MG09, EFN$^+$03, GJR03, GSR03, LR05b]. **strictly** [CW00a, Cao01, CCH02a, CT03a, CH07, CP08, Fur02, OWY07, WY04, WL09a, Wan09c, Wir05]. **Strong** [GP03, LT04b, LL08c, MG03, RA08a, TY06, Yan09a, Bak04b, BLL03, FLQ04, Ma09, SH00a, SKBS08, Yan02a]. **Stronger** [Log05]. **Stronger-than-Lyapunov** [Log05]. **Strongly** [Hae08, Ovs03, Gav03, Jør05, KMMZ04, PJ07, Row07, WD06, YZ07]. **structurable** [Oku05]. **Structural** [ABW05, BCS02, CP07b, FG02, FVP06,

HH00]. **Structure** [pBlWyXwA08, Đok06, Ish04, LR03, MR09, Sud02, APESS06, AD02a, AMZ04, BCES05, Bar08, BS00b, BdHZ05, BOP08, Bol05, CG00a, CK08, CKM05, CFL05b, CV07, DRGR04, EFN09, EFN10, FPP02, FKR09, FJL08, Gav02, GR07b, Gun03, Hei02a, JDS08, MD02, NS07b, NT08b, OT09, PSvdW05, RM09b, SdSW05, Tar05, Wat05, YLZ09, Yek04, dSS08]. **structure-preserving** [BOP08, CFL05b]. **Structured** [Ano03-45, Ano06g, BBdH09, CFP03a, DOS01, FMN04, HL09, PRW01, PEPS00, Sch02a, VWD08, BE01, BS04b, BD04, BMX08, CNTV08, CSK01, DPZ06, EG01, EG03, FMM01, FB04, Gem08, LMV03, LK09, MLK$^+$04, MMX04, Mei06, Mel09, PW08a, Peñ03b, Rum06, SS09b, SC07, Yer04, vdW02]. **structures** [BAL09, BBC05, BP09, BDV08, CFN04, CT09, GR07a, Kye03, RG03, Sal09, VC04, YH04b]. **Student** [Okt04]. **study** [ACHR01, ACDR04, Fuh02, Gre02, KKP07, PRV05, TKX08]. **Sturm** [CWW09, Kos00, LS09c, SC01, SW09]. **style** [JSWT05]. **sub** [DMM00a]. **sub-Markov** [DMM00a]. **subadditivity** [BU07, HZ04a]. **subalgebras** [BN08, Bir04, Dvo03, GM09b, LZ08b, OPS07, Ohn08, WY06a, ZJC04, ZYP05, ZFW06, ZYP06]. **subclass** [Sch04]. **subcollection** [Wal05a]. **subconstituent** [Ter02]. **Subconstituents** [gLxW02]. **subdefinite** [MND01a]. **subdeterminants** [SXKM03]. **Subdirect** [HMT$^+$08]. **subdivision** [CGR09]. **subdominant** [Pry09a]. **subeigenvectors** [SSB09]. **subfamilies** [CL01b]. **subfamily** [Fon00]. **subfield** [Yah04, Yah06]. **subgraph** [BM04b]. **subgraphs** [BPS09, Nik07d, SS08a]. **subgroups** [CS05, Hoo07, KKABAF06, VLAOVL08]. **subject** [Amb07]. **sublattices** [QT06]. **submatrices** [Bap03a, BL05, BC04b, DV07a, DV08, HL04e, JK03, JKO04, JO05, LŠ08a, Mol05a, Mol08b, NS02, Sav03, Sav04, Sav06b, dSZ00b]. **submatrix** [Bor06, BC07, BC08b, GV09b, Sav05, Vis00, ZHZ08, dDG02]. **submultiplicative** [Kra04]. **Submultiplicativity** [HZ04a]. **subnormal** [CLY08]. **subnorms** [GL00]. **Suborbits** [GW09b, WGL09]. **Suborthogonality** [Fie09]. **subpermanents** [CE09]. **subradius** [Czo05]. **Subrepresentations** [Han05]. **Subresultants** [Kah04]. **subrings** [EMBV03]. **Subset** [dHM07]. **subsets** [AR06a, DR08, MFPPSS08]. **subshifts** [MSR06]. **subsimplices** [BKK07]. **Subspace** [Dug04b, RT01a, AEEG08, AP04, CRS03, CW02, CGP04, DNR04, Dek09, DDHL08, FS07, HLY06, HQ08, JR09, JS00a, LLM03, LM03, LL08b, LL03, MZ04, Ovt06c, PJ07, Ple07, RS02, SL06, SP04, SM09b, WL07, Wu08d, Xia06]. **subspaces** [AEK06, ABW05, BT09b, BDM03, BR02, Bra03, CFKP08, CFP04, CHPP06, CP07b, De 09c, DM02, DH04, FYL07, Fao01a, FP01, FGR07, FH01, Gao03, GX09a, GQ09a, GV06a, GWL09a, GWL09b, GLW09, GW09b, Ips00, Kha09, KN03a, KA06, KP02, LL02, LS00a, MRR07, Ovt06a, PPZ02, PP02, PPZ05, Rvz09, RS02, Ste02b, Tsa01, WGL09, Wat06, WLBZ06, Ye08, ZQ07]. **substitution** [TI08]. **substochastic** [LT04b]. **subsystems** [CJPS02]. **Subtotally** [Fie06]. **subtractivity** [Leg04]. **subunitary** [Li08c]. **succession** [FP02b]. **such** [Cai03, DK04]. **Sudoku** [Dah09]. **sufficiency** [SH05]. **Sufficient** [WB01, ACV09, IPP07, KV06, MPS07, TY09, VV06]. **sum** [AGKM09, AT08, BMNA08, Buc06, CD00a, CXW09, Den09, JO05, KRS04, KRS03, LR09, LP09, Mol09, PJ08, THZ09, WZCL08, YC01, Zho08, dSQS00]. **summability** [MR02b]. **summation** [Bur06, CL04b]. **Sums** [Bot00, JO04, Nov09, ACS06, Bon03a, BD03d, DG07, eFLW09, Fit01, Gil08,

HW05a, Hil07a, Hir05, HK07, HV08, HMT+08, JS00b, JLY01, JLMC05, Kit04, Kur04, MW03b, O'L03, Tak00, dSF09]. **superalgebra** [Tri02]. **superalgebras** [BTT09, WM02, WM03]. **Superfast** [PZ00, Gem03, VHK03]. **superinvolution** [BTT09]. **superiority** [LA05]. **superlinear** [Cap01b]. **supermatrix** [Dup03]. **Supernormal** [vGKN09]. **Superoptimal** [ESC08, CJVW07, VWJ08, vdMRS06]. **superregular** [HST08]. **Superstochastic** [GS09d]. **supplementary** [KMS05b, Zha03a]. **support** [Ost06]. **supported** [AH09b]. **Surface** [DS04b]. **surfaces** [Lin08b]. **surjections** [gCZ03, lHH08]. **surjectivity** [YW07, Zha04b]. **survey** [BORŠ04, COvdD09, CW05, Cve02, FH07a, FI08a, Fre02, GN00, JW08, KR04, LXW04, Olk02]. **Survival** [vDP08]. **SVD** [Boj03, BSS09, GL03, Gug08, Hig00, Sla03, Ste06c, Xu03, XQ08]. **SVD-approach** [BSS09]. **SVD-like** [Xu03]. **SVDs** [DK06]. **switching** [NT08c, RJ02, Ter03]. **Sylow** [VLAOVL08]. **Sylvester** [Hig08, BB09, BR07, Dam03, JF01, KMP00, SA02, WSL02, Gem03]. **symbol** [Abd05]. **Symbolic** [DKS04, Dru08a]. **symbols** [ESC08]. **Symmetric** [Boc03b, DV09, HLW01, MR02a, Mel00, Oku05, Pac02, SZ08, Tag04, TM00, ALSS08, AHZ05, ATU05b, AG05a, AM05, BMNA08, BJT04, BLS05, BCEG09, Ben08, BB05c, Bér05, BMGS06, Big02, BCPT05, Bou06a, CW03a, gCZ03, CS09a, CHNP04, CP07a, CG00b, CT04, CMX05, CL08a, CHMM06, CGR09, Dan06, Das09, DHH+06, DM03, DP04, ĐZ04, DH09, FH07a, Fan02, Fan10, GGL08, GG09, GZZ00, HR01, HV01, Hil08b, Hog02, Hol05, HZ05a, HBLZ06, HP04c, Jia00b, Jia05, Kle04, Kly00, KT08, KMS05c, KO06, KLY09, LŠ07b, LR05b, LL06a, LPR04, pLLfY06, Lim05b, Lim07b, LT04b, LHF06, LM04b, MVV08, MH06, MHZ05, MN08, MQ06, Mon08, Mou06, NB03, O'L03, pPyHZ05, PD00, Peñ09, PV06b, Phi04, PVV08, PT03, PT06b, Rod07, RR04c, RS09, SSG04, SG08, SZZ07, Sid01, SP04, Sla03]. **symmetric** [Smi01b, Smo08, Sot06, Ste06a, Str03b, Stu00, SG06, TBK09, Tre04c, Tre04e, Tre06, Tre09a, Van07, Ves00, WV08, WSL02, Wat06, XHpS06, XQ08, XLG+13, Yam01, jYxL09, Yin05, YT04, ZH02, ZHZ03, tBSR04]. **symmetric/skew** [LR05b]. **symmetric/skew-symmetric** [LR05b]. **symmetrically** [Con08, Dah05]. **symmetrically-normed** [Con08]. **symmetries** [ABR02, Tre05, Tre08, Uhl01]. **symmetrizable** [JSU03, MS04d]. **symmetrization** [Dob04]. **symmetrized** [Bon03a]. **Symmetry** [Han02a, Val09, tBS06, BPR03, EJLS02, FJTU00, HK03, JR00, Pou01, Tre04a, Tre04d]. **Symplectic** [HZ03, Hoo07, CBD+04, De 07a, De 09b, De 09c, DJ06, DHZ03b, EL01, FI05, GX09a, GWL09b, GN09, HZ06, Knu00, SAAF08, SS03c, Spi00, Wat04b, Yan06, Yan07]. **synchronised** [BSL04]. **synthesis** [BPT07]. **System** [KM04, AT00, AB05b, AMZ04, AMZ06, Bai08, BMP00, CHP08, CM08a, Gue08, HL03, Igl01, KKK07, LZ09c, Lom09, Qui07, RM09b, RW01, SV07, Shi04, Ste01a, Wan04, WL09b, WvdWC09, XM02, ZF07, vdW01]. **systematic** [FZ04]. **Systems** [Ano02-29, DOS01, TW00, AAA+02, AL09b, AD02a, AAV06, AMZ06, AMZ07, Bad08, BW03, BS06a, BGN08, BRR01, Bal03, BZ02, BS00b, BPT07, BFSV06, Bér05, BKS01, BHRV02, Bou09, BK01, BRS00, BRVS08, Brü09b, BGGC06, CLR00, ÇS02a, CW02, CP03, CHASG02, CDMGP06, Cec00, CCG02, CS08a, Che02b, CCZ06, CHP07, CM08a, CQ08, DJMS09, Dam02, DMW08, DR05, DvdV00, DS08b, Dod07, DS08c, DS09, DK08b, DHZ03b, Elf04, Est05, EGMG07, Far04, FLMR00, FH00, FL04,

FLPW07, FPP02, FN07, FS04b, Fie03b, FH06, FVP06, Fre08, FS02, GRV06, GPM01, GPMT06, GPMSZ06, GPFC04, Gem03, GG09, GJR03, GA06b, Gug08, HOP06, HvS07, HCLC09, Har06, HV01, HZ03, HZ06, HMH01, HZM02, Igl01, IO01, JP04, Jef05, JM09, KKP07, KRS09, KB02a]. **systems** [KS00a, KS06a, Košˇ03, KPP07, LMZ03, Lan05, LT04a, LCF06, LV06, LWWZ08, LWD09, Lom07a, LCP02, MH07, Map07, MM07, MS06, Mas09, Mel01, MN08, MGWN06, Mue09, Myšˇ05, Myšˇ06, Ned01a, NB03, OTC03, OS05, Ots01, PV06a, PHO07, Pen06, PRV05, PCVT04, PPF02, Rad03a, RSW05, RR05, RW06, RO02, RS01, SSSG08, SL06, Sch09a, Sha03, SS09c, Sha00, SSY05, Shi06, Sid01, Sun02, Tab01, TG02, TM00, Tan09a, Tre09a, Tre09d, Tru07, Val00, VZ02, Vir08, VWJ08, WSL02, WM05, Wan07b, Wan07a, WB08, WW08b, WSW06, XWD06, YWS00, ZWPR06, ZTK09, vdMSR03]. **Szeged** [KYAA08]. **Szego** [BEG$^+$07, BW06, BGM08, Sak01, Tre02].

T. [CJ04, CJW05, CJ05, JW08]. **tableaux** [AM05]. **tail** [CCW$^+$08]. **Takagi** [KR07]. **Tam** [CL00a]. **Tame** [Drä03, Zav03, BS03b]. **tangent** [CS02b, HS09]. **Tangential** [BN05, HOP06]. **Taylor** [Sak01]. **TCP** [BLLS06]. **teach** [GC04]. **teaching** [Uhl03]. **technique** [FM04b, HGC07, SSW05, Sta07]. **Techniques** [Tům06, ACHR01, BBP03, Che05, ES02, GLP00, Sed09]. **Temporal** [HW00]. **Tensor** [BCES05, LS07c, OOT06, And04a, Bon03a, CSK01, DLMO07, DM07, Hou03, OTZ09, WZCL08, Zus05]. **tensor-based** [DM07]. **tensors** [Ano03-31, BPR03, CGG02, Dia02, DRGR04, LZ00, Lim08a, Pat08b, Pou01, SMS09, dCdS05, dSdC05, dSR06]. **term** [Bal03, BS02c, BBG09, EGO05a, EK08a, dSR05]. **terminal** [BF07b, Sci02, Sta09a]. **terms** [IPP07, KC03, Ste03a]. **Ternary** [BP06a, JGPI08]. **Terwilliger** [Mik09]. **test** [BGM08, CM09, GA06a, Kap00]. **testing** [GA06a, JK06b, WX06a]. **tests** [CP06, IL06, Peñ04, RO02]. **tetrahedron** [FN09, Har07b, IT07a]. **th** [Che07a, Cho04, De 09c, Di 03, Guo06b, Roj07b, ZWY00, Hag07]. **their** [ABW05, Ano03-44, BBL03b, BHLL04, BSKS05, BLG01, CH03, CNSM08, CNF08, CFRS02, DJ06, FL04, FF04b, FNT07, Fur06b, GH00a, GPS01, Gin09, Gol03, GH09, GT09, KMS05b, KS06e, Lad08, LG06, Lom02, OT07, Reu06, Rod08, Ruk01, Sat05, Sav06b, Ser07, SU09, SHZ05, SS09d, SKBS08, Sta09a, Ste05b, WX06a, WlW07, Wil09, XHpS06, YFK05, YLT05b, ZZ09, dSS08, tBS06, vDH03a]. **them** [AEB06, CGPM01]. **theme** [BBCH08, HR03b, Hof00, Ste05a]. **Theorem** [Zaï04, BBM02, BR00b, BdPK07, BV02, BHdST06, Ber09, Bıy03, BT07b, CM00a, Cao05, CGM05, Cao07b, CL09a, Cio06, CS04, Cos07, Dan06, DS02, Dug06, ES01, FP03, FNS07, Fri00, GK07, GJ04b, Ges02, Gra04a, Har07a, HDB00, dH07, Kes01, KSH08, KPV04, Kol03a, Košˇ03, Lešˇ04, LS00a, Li00a, LEL02, LR03, LLY09, LM09b, LR04, Lon04, Lur06a, Mat03, MOSZ02, MG09, NV03, OTC03, PLG02, Pep08, RRY04, SN09, SR06, Ste01b, Ste04, TY05, TY07, TY09, TRH01, Tre04f, TL03, TZ03, Yua00, Zen08, dMR07a, CLL05, CKS06, FH07b, HBHS05, Min01, OO05, Par09a]. **theorems** [AD03a, AW02, AAV06, AI00, BW03, BGM04, BGM08, wCL04, CGQ04, DGLS01, FS04a, FS06a, GP00a, GTM09, Li00b, LN06, MS00a, Nou08, SSA05, Šem03, Sty02b, Zha07b]. **theoretic** [Hog01, KM04, Pic07, VZ02, Zar06]. **Theoretical** [CL01a, CS03a, SH09]. **théorie** [Fao01b]. **theorists** [Kri05]. **Theory** [Ano02s, Ano03-43, BLL06, HKSS03, Moh05, Par09b, Uhl00, Uhl04, vdD09, AL09a, AT00, Bad08, BHNR03, BNdP09, Bou09, CD00a, Cal05a, Cal05b, Che02b, CHP07, DDM08,

DT03, DG02, FH01, Fuh08, Fuj05, Gol05, GN05, GQ09b, GV06b, HLT04, HM02, HP00, HT02, HP03b, IBI09, JR05, KKP07, KN03b, Li00b, MM03, MMX04, MNV08, MZK00, Nak03, Ney01a, Ney01b, Ney06, PWZ05, PT04, RR02, RR04a, RT01b, Rum03b, SC01, Shi06, SW09, SP09, Sil00, ST00, ST03b, Sty02a, Ves00, WWQ04, WLBZ06, XDS08, Xue01, YFK05, Zen01, dSG07, vB09b, BKPW08, Hig08]. **Therapy** [Ano06f, CBIXG08, CGXL08, HC08, SK08b, TVB08]. **there** [Kah06]. **thick** [Wu06a]. **thin** [Bra06, HB08, Ter02]. **Third** [NT02, KS06a, LB00]. **Thirring** [Aud09a]. **Thomas** [Ano03u, Mar05, Ano09o]. **Thompson** [BS07, Seo00]. **thoughts** [BBM02]. **Three** [BB04d, BB05b, BS05b, BD01b, BD06b, EGO05a, Har05, vdH08b, Bag06, Bak04c, BB07b, Bar08, BLG01, CC04, CO09, EK08a, GZHT05, LDS08, NDS02, PBT04, Rab04, Sbu05, Tak00, TBK09, smbH02, dSR05, tBSR04, tBS06]. **Three-connected** [vdH08b]. **three-dimensional** [BLG01, GZHT05]. **Three-term** [EGO05a]. **three-way** [TBK09, tBSR04, tBS06]. **threshold** [CR02a]. **Tight** [De 07b, HKKZ03, RM06, BPT09, HKKL05, Pas01, Ren07, Roj09a, Str08, STDH07]. **tiled** [HP02]. **tilting** [LG04]. **time** [AAA$^+$02, AFL00, BF07b, BDKW04, BRS00, BCS02, Brü09b, CFL05b, CM08a, DL04, Dam02, FPP02, FN07, FS04b, HOP06, HW00, HZM02, IV04, Igl01, IO01, Kar04, KB02a, KS06a, KMZ00, Kle00, KS01, KS06c, KS09, KTKR06, LCF06, MA03, MGWN06, OCK09, OTC03, Ots01, Pfa08, PPF02, SV07, Sun02, Tru07, Val02a, Xu06, Xu07, YWS00]. **time-delay** [MGWN06]. **time-invariant** [BCS02, CM08a, HZM02, LCF06, PPF02]. **time-varying** [Dam02, Igl01, Sun02, Tru07]. **times** [CZ08, CM00c, Hun05, Hun06, Hun08, Hun09]. **Titchmarsh** [Shi06]. **Toda** [Gla02]. **Toeplitz** [BB05c, Bér05, BGM01, BB03c, BDG08, BES01, BG02, BES03, Cap01a, Cap01b, Cap03, CI09a, Dan02, Est05, FLM02, GKvS04, GGCB07, Hei01a, HR01, Hei01b, Hei02a, Hei02b, HR03a, HR04, HV01, HH05, Kar05a, Kle07, LZ09c, LCN03, Lin08a, MD02, MVV08, Mel01, NRW02, NCV05, OOT06, Sak01, Sch09c, Str01, Til03, Tre04b, Tre06, TZ01, VHK03, VWJ08, WD05, Wim01, Woe02, vdMSR01, vdMSR03, vdMRS06]. **Toeplitz-plus-Hankel** [Hei01a, Hei02a, HR03a]. **tomographic** [SvdS01]. **tomography** [AG05b, Cen01, HT01, Yag01, LGH01]. **Tools** [SCS09, PRV05]. **topics** [AD08, Rod09]. **Töplitz** [SS04a]. **Topological** [Cao07b, ATV09, GN05, GJK04]. **toric** [RVZ00]. **Total** [Bou03b, Bou03c, Gla02, Sch06, AB05b, FB04, GG04, Hol03, JB00, KV06, KS06e, LMV03, LD02, MLK$^+$04, NPP00, Nie01a, Peñ01, Peñ04, SS06a, XQW08, Yer04]. **Totally** [ATU06, DR05, KLM01, BF08, CRU09, CFJ01, Doe07, FN01, FJ07, FM00a, FM00b, FM02, Gar03, GJ04a, Gla04, GWL09b, GLW09, GW09b, HMT$^+$08, JO04, JT04b, JTeG09, LM02, Ost03, SS04b, Tre06]. **tournament** [E$^+$00, HWKS03, Kir03a]. **tournaments** [BBG09, Ren07]. **Trace** [ÁFMNW06, BES09, Fur06a, FKY09, HK05, Bek04, BT07a, CZ00, CS09b, ÐS08, Fuj05, Fur05a, Han02b, Hil07b, KN04, Kom08, Lim09a, NT06c, RSW02, YFK05]. **Trace-minimal** [ÁFMNW06]. **trace-preserving** [RSW02]. **traces** [Bha03b, CXZL02, ÐJ07, Dru04b, HW07b, MV04, Yah04]. **trails** [BPS07]. **Train** [Zit09, LR05a]. **trajectories** [AL09b, SV07, Val02a]. **trajectory** [RW06]. **Transfer** [Myu09, FN00]. **transform** [AD03a, AW02, HT09b, HV01, JL03, Kah06, NCCY00, SvdS01, Wu02, HT08a]. **Transformation** [ES02, Mai01, BM04e,

DL04, INOY03, KKP08, Oku03, Oku06, PT03, Yam02, ZS05, dMR07b]. **transformational** [JS01b]. **Transformations** [BM01b, BBC05, MT06, Xu07, BGLS04, BQS00, BRZ04, CHJP05, DL03, EV05, FNT05, God09, GST04, IT07a, Lad08, Leš00, LK09, LRŠ02, Lon04, MMT04, NT07b, Nov09, SAAF08, Sal09, SG06, TBK09, Ter01b, Tov00, VV06, Wan03a, YH00a, YH00b, ZG09, smbH02, tBS06]. **transformed** [TP09b]. **transforming** [LS04b, LPS05]. **transforms** [AY03, AMS05, BD03b, LCN03, ND05, PEPS00, PT05, Pot03, Tsa00]. **transient** [PW08b]. **Transition** [KNX07, NT09a, CDS08, KN00a, Sav05]. **transitive** [Dah05, DDI03, DLM$^+$00, KO08, LL02, Sav05, Tan05a]. **Transitivity** [LM01]. **Translations** [DDI03]. **transport** [GG09, TVB08]. **Transportation** [Dah08]. **transpose** [HS04, Ver08]. **transvections** [EL01, ZY02]. **transversal** [CFKP08]. **trapezoidal** [Gav03]. **treatment** [CCW$^+$08, HC04]. **treatments** [MCEC06]. **Tree** [SS09a, AH09b, Bap05, Bap06, BLP06, BR09, BFH05, CHMM06, DHH$^+$06, GT02b, Guo03b, GT04, HLR08, JD02, JDS03a, LL08d, PL08, Roj02, RP03, Roj06b, RR07a, Roj07c, Roj09b, Toy09, WX06b, Wat00, Zha09, BLM03]. **tree-like** [BFH05, BLM03]. **Trees** [FGS05, ABH03, BHL09, Bıy03, BL09c, BH08a, CH03, Che07a, CLOvdD01, Das04b, FGWG07, FYL06, FGM08, GRTR08, Guo05b, Guo06c, Guo06b, GS06, HT08b, HL02, II09, Ili09b, LG06, MW01a, MN03, Mol05a, OT07, Omi09, RT06, Roj05, RS05b, Roj06a, Roj06b, RM06, RR07a, Roj07b, RR07b, Roj08b, RM09a, ySZyY06, SGS08, Ste03a, SG09, wThY09, WX06c, Wan09e, WK09, WXH05, YLT05b, YL06, YL08, Zha07c, ZLC09, ZWY00]. **Trefethen** [Böt06b]. **tri** [BW01]. **tri-diagonal** [BW01]. **trial** [KA06]. **triality** [Eld00, Oku05]. **triangle** [Dra05, FP02a, PJ07]. **triangular** [AH09a, BW00, BBC00, BS00c, Ben05, Ben09, BPP08, BM05, CW00a, Cao01, CCH02a, CT03a, CGM05, CC04, CL02b, CLP03, CL03b, CL06, CHL01, DW09b, DP00, Fer05, FMM05, Fošo5, GR00, Hao04, HPP05, HC06, JW06, Kar05b, Kob05, LSD06, Lin08a, LT07c, Meh00, NDS02, OWY07, PP01a, Pei07, Pet02, TY06, Tia00, Urb04, WY04, WY06b, WY08, WL09a, XCX01, ZY06, ZXZ08]. **triangularizability** [KR05]. **triangularization** [ĐS08, Dub09, Flo09, MR09, Yah08]. **tribute** [Sch00b]. **tricyclic** [GL08, GLL09, GW09c, LL09a]. **Tridiagonal** [Dah04, DĐ05, ĐZ04, FN09, IT07b, Nom05b, Nom05c, NT09b, Vid08, AC04a, AC08, BKR06, BD05, CN01, DM03, DP04, EGG07, EOvdD03, Fer07b, Gra02, GT09, Jia05, KH09, KY00, LST08, LZ09c, Mal01b, Mol08a, Nom05a, NT07b, NT07c, NT08a, NT08b, NT08d, PP01b, Ter01b, Wan01, dFP01]. **tridiagonalization** [HS07a]. **tridiagonals** [PD00]. **trigonometric** [Mol04, Sak04]. **trigonometry** [Gus00, Gus02, Gus09]. **Trilinear** [IS09]. **Trimmed** [BMX08]. **tripartite** [Jef05]. **triple** [DKL$^+$07, GT06c, JW05, LS06b, LWD09, Lu03, Mol06b, WFJ08, WL09a, ZWC06]. **triples** [BLS05, Cur07, GJ04b, GS00, LL08a, NT01, Oml04, Šiv08]. **tripotent** [BBS02a, BBÖ04]. **trivial** [Val08]. **tropical** [GK09]. **Trotter** [AKL07, Fur05a]. **truncated** [CHKS05, JKLP03]. **truncation** [CLVV06, GVV03, Sty06]. **Tsallis** [FYK05, Fur06b, YKF05]. **Tsetlin** [Bap03b]. **Tucker** [TBK09]. **Tucker-** [TBK09]. **TUHF** [JW05]. **Tuples** [CCH02b, BG09a, OSvdD02]. **Turing** [SvdD05]. **Twisted** [HN09, Pat08b, SH08]. **twistor** [Gus09]. **Two** [AW02, ABR02, BLO02, CP06, CT03c, De 08, DV01, FM04a, Fur06b, GGM$^+$09, HS03, HP03b, KP06, Nak00, NY02, NP07,

PHZ06, She03, Ter01b, VW00, YY03, Zha04f, ACM03, ACHR01, AGI00, BMNA08, BW03, BB00, Bak04c, BB07b, BHJ08, BT09c, BBS06, BKS01, BW05, BLG01, BKN01, CD00a, CL04b, CK04, Dax06, Dra06, EGO05a, FL03, Fur08a, Fur05c, GA06a, GS05, GS09a, GS09b, GW04b, Gra05, HK02a, Har00b, HI06, HLZ09, Hua00b, HL08a, II09, JH09, Jia09, Kol08, Kye03, LŠ09a, Lin07, Lin02b, Lip05, LSF09, LC09, LMT09, Mel01, Mol04, NCV05, PFL05, PP04b, PEPS00, PP01b, PBT04, Ros05, Sak01, SSG04, SV01, Tan09a, Tup09, Wan07a, WG02b, Wu06b, Wu08b, Zha04d, vDS05, vdH03b]. **two-colored** [GS05, GS09a, HL08a]. **two-cyclic** [LMT09]. **Two-dimensional** [GGM+09, Nak00, She03, VW00, YY03, AGI00, BKS01, BLG01, Kye03]. **two-graph** [HK02a]. **two-level** [NCV05]. **two-parameter** [JH09, PEPS00]. **Two-sided** [ABR02, HS03, NP07, Kol08, PP01b]. **two-stage** [BW03, Wan07a]. **two-step** [Mel01]. **two-term** [EGO05a]. **Two-view** [DV01]. **type** [AC08, And04b, BC08a, BX08, Bap03a, BEG+07, BC03, BM04d, BD03b, BS07, CLR00, Cao07b, CS03b, CW07a, CW07b, CKW08, CGR09, Cos07, Dam02, DDI03, DLZ03, DMM00b, Dra08b, FI08b, FNS07, FNV08, Fre08, FST04, FG03, GII08, HFR04, Hoc09, HLY06, HT05a, HZ05b, IT07b, IK09, Jai07, JLN08, JPB08, KSH08, Kir06, LM06a, LS00b, LY09a, MS01a, MPT02, MSR06, MPP06, Mik09, MG09, Nie07b, Nou08, yPyHZ03, PWZ05, Seo00, Sid01, Smi08b, Str03b, Sud04, SG06, Van07, WWJ09, WGL09, WlW07, Zha07b, Zhu08, CTW01, VPV01]. **types** [BD09a, Nie04a, Zhu08]. **Typical** [tBSR04, CtBDC09, tBS06]. **typically** [BW05].

U [ZZ05]. **UB** [Mir03]. **UB-matrices** [Mir03]. **Ullemar** [Tka05]. **ultimate** [De 00]. **ultrametric** [DMM00a]. **unbiased** [Bak04a, PR04b]. **unbounded** [BLdP04, ESC08, Mal09]. **uncertain** [AAA+02, BES03, CCZ06, Gha01, KFGK04, Sun02]. **uncertainty** [Dam02, GII08, PA04]. **Unconditionally** [VB09a]. **uncoupled** [DHFS00, MSF05, Xue01]. **underdetermined** [JM09]. **Unextendible** [Pit03]. **Unicity** [BW01]. **Unicyclic** [HGW02, HW07a, BFS08, BMS06, CT03b, Dau08, FWG08, Guo05d, GYY09, Li05, LSC09b, LLT07, LZS09, NS07a, Roj08a, SI09, XL05]. **unification** [Bot06a, Bot09]. **unified** [Bak04b, BMS08a, FLPW07, FN07, FM04b, HC04, PRW01, Uhl03, zY08]. **unified-least-squares** [Bak04b]. **Uniform** [Str03a, Cao07b, FNS07, Kob00]. **Uniformly** [MS04d, vB09b]. **Unifying** [BQS00, Ips03, OT06]. **unilevel** [Tre09c]. **unimodular** [AK07, AY08, Doe07, Fan07b, Ost03, Zha06]. **Unimodularity** [AA07]. **union** [BF05, CL02c]. **unions** [Kha09]. **unique** [AM09, AHL+09, HLW01, HB00]. **uniquely** [Bru02b, GSR03, Wil09]. **Uniqueness** [JOR01, JO02, LM04a, AEB06, Alf03, Alf05, Brü09b, ÇS02a, SS07f, Ste09, TW05]. **unistochastic** [Co08]. **unit** [BB02b, Bol02, CMV03, CMV05, Dru08a, FLROV05, MQ03, ZX07]. **unital** [Kye03]. **unitaries** [Dru07, O'u02]. **Unitarily** [And06, ĐJ07, CLS05, HZ02, HZ04a, Li08c, Oku03, Oku06, Poo08, RT01b]. **Unitary** [FJ05, GI02, JMN08, QC04, AADL03, ADL04, ADL06, BEG+07, BBC05, BQS00, CMV05, DW08, FJ02, Gao03, Ili09a, LL08a, LS04b, LP09, LH05, NBdP08b, NS08a, Pet05, PR02b, Rod06, Ste05a, Tad06, TŻ08, ĐS08]. **unitoidness** [Rob06]. **Unitriangular** [Pre05, VLA03, VLA04]. **units** [NT06b]. **unity** [AFM03, BPT09]. **univariate** [PRP02]. **Universal** [Til03]. **universe** [PPZ09]. **University** [Böt06b, Rod09, Tům06, Uhl04, dSQS00].

unknown [SvR02]. **Unoriented** [TFZ08]. **unreplicated** [MCEC06]. **unsolvable** [Cec00]. **Unspecified** [Hog07]. **unusual** [FI08b, LY09a]. **unwrapping** [KB02a]. **update** [CW05]. **updating** [Lan08]. **Upper** [GB06, Gre09, MK05a, SS07c, Tia02, BW00, BFH+08, BHS06, CW00a, Cao01, CT03a, CGM05, CH07, CLP03, CHL01, cD03, Das04a, DB05, Das07, Das09, Fer05, Fos05, FF04a, FF04c, Guo05a, HOZ01, JW06, Kir03a, Kob05, LSD06, LB04, LT07c, LLT06, OWY07, Pan02, RSR00, RR04b, RR07a, Roj07a, Roj08a, Roj09a, SM09a, SHWR02, SW04, Tag04, Urb04, WY06b, WY08, WL09a, Wan09c, Wu08b, YLT05a, Zha04f, ZXZ08, dSS08]. **upper-triangular** [WY08]. **ups** [SV06b]. **Urn** [BB04d]. **USAOR** [Li03]. **Use** [CFP09, SvdE03]. **useful** [Gre02]. **Using** [But06, Kro01, AFS09, AHW05, ACHR01, ACDR04, AS02, BZ06, BMP00, CCW+08, Dri04, Eld06a, EvdD08, HW07b, LV06, MPS06, Map07, MV04, OTC03, PJ08, SL06, SLP01, SK08a, Sch09a, SSA05, SvdS01, SH09, Tia02, Vin00, Yer04, smbH02]. **Uzawa** [BW08a, ZBY09].

V. [Gra04a]. **vague** [Ned01b, Ned01a]. **validating** [Rum01b]. **valuations** [FK07]. **value** [AC09, Aud07, BX08, Bos07, BG02, Bra06, Cap01c, CY00, CD00d, DM07, Fer05, Hoc09, JY07a, Kir03a, Kit09, MM06a, Mor08, PW04, SS03a, ST03b, Tao06, XDS09, sV06a]. **Valued** [Rod09, AT07, AD08, BB02b, BES02, BES09, BHdST06, Bol02, CH00a, EMERP06, EKS01, ES01, FKL03, Gue08, Las06, McC01, Smi01c, Wu05c]. **Values** [KMS05b, ASX08, AGO09, Aud09a, BK09a, BR07, Bou03a, Bou05, Bur06, But06, CH08, Fer03, Fer07b, FJ03, Gil04, Gil08, Gre02, HB08, JSWT05, KA06, KMS01, KLMS03, LHL08, MK05a, Mir00, Nie08, Ois01, OS00, PS08, RST01, Rad03b, Sbu05, She01, Ste06c, VV06, Xia06, vDS05]. **Vandermonde** [BEG+07, DK06, EFS01, KS01, KPV04, Li08a, MM07, OP00, RS00, YC00a, jYzWbZ01, YH04b, YLZ09]. **Vandermonde-like** [YH04b, YLZ09]. **vanish** [Gra04b]. **vanishing** [Ash05, BG09b]. **Varga** [Kol05, Ano08r, BBCH08]. **variable** [Brü09b, CLY08, HZ03, SK08b]. **variables** [Han02b, Lom07a, MW08b, McC01, Pop02, RvdGM05, Sak04, SV01, Wal05a]. **variance** [AdO02, Bén06, MD02, PRP02]. **Variances** [Hun08, HB00]. **variant** [Kes01, MPP06]. **variate** [Mat05a, MP05, Mat07]. **Variation** [BD02b, FJL08, HR03b, FJ03, LR02, PFL05, Son02, Wu06b, Wu08b]. **variational** [CD00c, RT01b]. **Variations** [Ste05a, BP05a, BBCH08, Bul08, Fan03b, Hof00, dW03]. **varieties** [Ano03-31, CGG02, Cof03, GS00, Lip08, McG06, RVZ00, Šiv08, VJ06]. **variety** [GH00b, Oml04, CCTT00]. **various** [BEH+06]. **Varshamov** [BGS00]. **varying** [CCSS03, Dam02, Igl01, OCK09, Sun02, Tru07]. **Vector** [Kha09, AT07, ABB00, ATV09, AFK02, BB04d, BB05b, BD06a, BDM03, BES09, Bon03b, BRZ04, De 09c, FI03, Gra04a, Hor04, dH07, HP01b, Kir05, Kir06, KN00b, Kle00, KMS05a, Mel00, Mol05a, Mue09, NP07, OCK09, Sal00, SC01, Van04, WL08, Wie01, Mül03]. **vector-bundle** [Gra04a]. **vector-mixed** [Kle00]. **vector-valued** [AT07, BES09]. **vectorial** [Fer04]. **vectors** [DK08b, Fer03, Fon00, Gue08, Kar07, KA06, Kun06, MM03, QZ07, SS03a, SG09, Tan09b]. **Veen** [EG01]. **Verdière** [Gol09]. **Verification** [CSY01]. **Verifying** [DS08b]. **Verlag** [Kol05]. **Veronese** [Cof03, GH00b]. **Versal** [FP01, PPT04, Pue05, CHPP06, Mai01]. **version** [BV02, Bha06, BT04b, CKS06, Gra04a, Leš04, Lur06a, Pep08, TP05, Vis00, zY08, Zha03a].

versions [Bou06b, Har07a]. **versus** [BL09b, JS07a]. **vertex** [HD03, KYAA08, KMNS02, Sav05, SS08a, Ste03a, WX07a]. **vertex-deleted** [SS08a]. **vertex-transitive** [Sav05]. **Verticalité** [Fao01b]. **vertices** [BHL09, GL08, Guo05d, Guo07b, GW09c, Gut08, HHL+09, HW07a, II09, KS08, Kov02, Li08b, LZS09, Mol08b, Sci02, Sta09a, WXH05, YL06]. **very** [SS06b]. **Veselov** [CL03a]. **via** [AD03a, Alf00, AP04, BF01, Bas02, Ber04, BW06, BRVS08, CZ00, CK01, CN06, wCL04, CR02b, FST04, Fur03, Fur05a, Fur06b, Fur09, GVV03, GHS09, GB06, Gin09, HPP05, HP01b, Ili08, KRS09, KP09, LL06a, Lim09c, Ois01, OP05, PR02b, PWZ05, RS06a, RZ04, RZ05, SC07, Sou05, Ste08, Sun02, XM02, Yam06, Yan01a, xZxGpL09, dKNvD08]. **vibrating** [Bai08, Lan05]. **view** [AFR06, BMS08a, DV01, GVV03, HN04]. **viewpoint** [CHP07]. **viewpoints** [GJK04]. **Villani** [Hil07b, LS09b]. **vines** [KC03, KC06]. **Virasoro** [SSW08, TX09]. **Virasoro-like** [SSW08, TX09]. **visualization** [SSB09]. **Vitae** [Ant07, Ano06h, FGH+06]. **Vlastimil** [Sch00b]. **vol** [Kol05, Moh05]. **voltages** [KK01]. **Volume** [AdO02, Ano03r, Ano04r, Ano09r, BI00, BKR+09, Ost03, Sav06a, ZM08]. **volumes** [Ano02p, Ano02y, Ano03s, Ano03-47, Ano04s, Ano04-45, Ano05o, Ano05-32, Ano05-34, DS04b, EMBV03, Mat07]. **Vorst** [Ano09n]. **vortices** [CP09]. **vs** [HZ04a, MV07, Rod06].

Walks [Nik06c, SdAdFDV07, BPS07, Chu07, Kly00]. **Wallach** [SP09]. **Wang** [Moh05]. **wave** [BGGC06, GZHT05, Li06b]. **waveform** [BRM01]. **Wavelet** [CCSS03, LCN03]. **wavelets** [CL02c, Han02a]. **way** [AEB06, CtBDC09, TBK09, tBSR04, tBS06]. **ways** [Uhl01]. **Weak** [Ala00, AS03, JS07a, Per07, PMS05, FJTU00, XZ06]. **weakly** [HL09, Oku03, Oku06]. **Wedderburn** [TY05, TY07, TY09]. **Wei** [Moh05]. **weighing** [ÁFMNW03, ÁFMNW06, KMS00, KM07]. **weighings** [ÁFMNW03]. **weight** [GL05a, JN06, Kun06, wThY09, VR06]. **Weighted** [ACRS05, MS02a, AM09, Alf01, CN07, CLY08, DB05, Das07, DW00, FGM08, FFN+07, GJW02, HK02b, HL04d, KL07a, MV07, MR02b, PR01, RW02, Roj07a, RR07b, Roj08b, Sat08, wThY09, ZZ00]. **weighting** [WM05]. **weights** [Bap06, BV00, CN07, DP02b]. **well** [KNX07, Yan09b]. **well-conditioned** [KNX07]. **well-known** [Yan09b]. **Wenzel** [Lás07]. **Weyl** [BR00b, Cao05, CGM05, Cao07b, DMM00b, Dug06, Shi06]. **Weyl-type** [DMM00b]. **where** [Mou06]. **whether** [WX06a]. **Which** [CLY08, vDH03a, AT07, Bak04c, BB07b, BLS02, BCRS08a, BCRS08b, Das04a, DL92, DL01, Eld06b, ES08, KS02, KN00a, PBA09, Val02a, YLT05a, ZM03, Zha03a]. **Whittle** [KS09, Kle00]. **whose** [AGM09, BFS08, BMS07, BS04a, CHK+01, Fer07a, Guo05c, Gut08, HP01a, JD02, JDS03a, LŠ09a, SS08a, Sta07, Sta09b, Toy09, WHAB08, WHBM09b, Wat00, vdH03b, vdH08b]. **wider** [LMZ03]. **width** [BCPT05]. **widths** [MQ03]. **Wielandt** [Sch02b, CN02a, CN09, FNS01, KSH08, NV03, Sch02c, TS03, zY08]. **Wiener** [Adu02, AMZ09, CM00b]. **wild** [BLS05, BBL+05]. **Williams** [PR07]. **Wilson** [Nom05b, Vid07]. **Windsor** [AHST09, Ano09q]. **wireless** [DPZ06, SSW05]. **Wirtinger** [BD09a]. **Wishart** [IWL07]. **Wishartness** [VC04]. **WITHDRAWN** [HL08c]. **within** [FJ05]. **without** [Fer03, JR00, Yeu04, YW07, ZZY06, Zha04b, fur08b]. **Witt** [Ahm05]. **Wolff** [LN06]. **word** [LL06a, Lim07b]. **words** [ĐJ07]. **work** [BLN04]. **works** [ST07]. **Workshop** [AHST09, Ano05-33,

Ano09q, EMS06, Ste07b, dSQS00, FMN04]. **World** [Bar05, CNX05a, Hig06]. **woven** [CHSS03]. **Wronskians** [Wal05a].

x [Kol05, BLNP01, BLG01]. **X-rays** [BLG01, BLNP01]. **xi** [Rod09]. **XII** [MPS06]. **xliv** [Bar05]. **xvii** [Böt06b]. **xx** [Par09b]. **xxiv** [Tům06].

Yacubovich [MSS07]. **Yanagi** [Fur05b]. **Yang** [FLROV05]. **years** [BMS08b]. **yields** [SS06a, SS07b]. **Yimin** [Moh05]. **York** [Kol05]. **Youla** [FI07]. **Young** [CS09b, HK00].

Z [Rod09]. **ZAB** [Bou05]. **Zenger** [KN09]. **Zero** [BGO09, DG07, DN05b, DV07b, Gro08, HZ05a, LK09, OA09, AGKM09, BS02c, BBL+05, BM04c, BP02, BD03d, CL08a, DKL+07, ĐJ07, Fie01b, GGM+09, GKW00, Hor02, HC03a, HZ04b, HJ08, Kah06, Lim08a, Lim09a, Nov09, Okn01, SV07, Tak00, Ton04, Tre03c, Wil09, ZYP06, ZX05b, dF00]. **zero-one** [Ton04]. **Zero-preserving** [DG07]. **Zero-product** [HZ05a]. **zero-products** [HJ08]. **zero-sum** [AGKM09]. **zero-symmetric** [CL08a]. **zero-term** [BS02c]. **zeros** [Baz03, BGLS05, BG09b, BD03d, CMV03, CFL05a, CL08b, FLPW03, GS04a, HS07b, HKKL05, LM06b, Lin02a, Pet08, WO05, Wym02, ZWPR06, dSR05]. **Zeta** [KS06e, MS01b, AFR06, BFL05, Che09, Hor07, MS02a, MS07, Ste08]. **Zetlin** [Ovs03]. **zrank** [YYZ05].

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