Title word cross-reference

(0, 1) [FV97, Kim97, Ze185, BF15, KS83, LN10, Min74d, Zhou16], (0, 1, 1) [GZ99], (1, 0) [MP13b], (1, 1) [Che03b], (2) [Che95a], (2, 2, 2) [SD17], (2, p) [YD14], (α, β) [YZ13], (α, β, γ) [KO10], (AXB, CXD) = (E, F) [YLW15], (b, c) [Dra18b, KCI218], (e(x, y)) [Pre85], (k) [Ch77, Ch79a], (k + 1) [BT06], (k, l) [Rem90], (k = 2, 3, 4) [Sta15b], (max, +) [HKT15], (n + 1) [Sch78, Sch75], (n, k) = (4, 2) [JLL88], (p, h) [DV18], (p, q) [KL95], (p, σ) [MRP14], (qr) [Raw81], (R, S) [LLyP15, Pen15], (s, p − w) [Ras17], (\sqrt{5} − 1)/2 [Sim95], (T) [Che95b], (v, k, λ) [Der83], (Z_m)^* [How86], −2 [Aho16b, BPS16], 0 [HNS99, HLZ05, JS96, Wu09], 0, 1 [MS79, BX07], 0 \notin F(A^m) [JL90], 1 [CM15, Fra17, HNS99, HLZ05, JS96, KP14a, Min77, Sta10, Wu09], 1, 2, 1 [KHG13], {1, 2, 3} [Z10], {1, 2, 4} [ZX10], 10 [LN10], 12 [EM95], 2 [BL10, BL01, BdPN14, BDvW16, BM89, But10a, DP09, DD10, Din15b, DL92, Dok93, Ere15, Far94, Fur08, GS06, Hai88a, KY17, LGA+13, Liu16a,
[And80b, BCN05, BEM12, BC94, CKN95, DJL94, Fan92, FS83, GN02, Ha88, HS89, HS91, HXL16, Ibr00, JOvdD84, Lee91, Li95, LLZ13, MSZ04, Mia93a, Nab98, NP80, NS92, vD96, Ber12, Den14, JOvdD85, MRT16, NS93, vT86, WD17]. $M_n(A)$ [Fos05b]. $M_X$ [CIP17]. $\text{Mat}_n(K)$ [dB16]. $F_2$ [BS13, SLH16, SLH18]. $F_4$ [BS13]. $Z$ [Ger04]. $\mathcal{L}$ [Tur18]. $Q$ [Tur18]. $f^\Delta$ [CdSS17]. $f^\Delta(C)$ [MS08]. $m \times n \times (m - 1)n$ [SMS15]. $\mu$ [Dia90a, dF05]. $N$ [HR90, BL10, BGLZ18, Bed11, Cha79a, Chl87, EÖ15, GLOT13, GR10, HW75, KP16, LZ13, LDL17, Pop17, Q15, SV14, Uhl14, Wer87, YLL90, dB16]. $n - 1$ [Esc93a]. $n - 2$ [HW75]. $n/2$ [KMS02]. $N_0$ [Sin90, Lee91]. $n \leq 3k$ [Cha77]. $n \times n$ [CZY12, Ga17, SvW14]. $O$ [Lop11a]. $O(4)$ [Lop18]. $O(N)$ [Uhl99]. $O(N^2)$ [Uhl99]. $O(p,q)$ [Lee93]. $\omega$ [EV77]. $\Omega(r,s)$ [Har87]. $\Omega_n$ [DH91]. $P$ [AEF13a, AEdF13b, DdF15, ES98a, EMS02, KS14a, Tau74, BB96, Han17, HS93b, Kra06, Roh91b, Sin77, So90]. $P_+$ [KS14a]. $P_+$ [RP90]. $\partial W_\ast(A)$ [Beb86]. $\text{per}(I - A)$ [Mal86]. $\Phi$ [HSM17]. $\Pi$ [LH13]. $\text{PSL}_n(F)$ [Gur97]. $Q$ [ND05, YGW15, CNP05, CN05, CN06, Gar79, KHG13, Li98, LN98, PV00, Sal12, Sal14, WHG17, Zha97]. $QR$ [LL17]. $R$ [AW13, LZ15a, BL93a, BT15, HH14, McC85]. $S$ [GMZ11, XL17]. $S(1^*, b)[P_k]$ [CRY95]. $S(n, p, 2, 2)$ [Hai92a, Hai92b]. $s(\phi)$ [GW98a, GW98b]. $S_m$ [SS98]. $S_n$ [Di 88, Reg87a]. $\Sigma$ [BCKP10, Ben16, Lec16, Wan18]. $\text{SL}(2, R)$ [Scl97]. $\text{SL}(3)$ [Ra09]. $\text{SL}(n, F)$ [New82b]. $\text{SL}(n, K)$ [Wat84b]. $\text{sl}_2$ [AC13, Ahn15, Gau76]. $\text{Sp}(2n, Z)$ [New85b]. $\ast$ [RD12]. $T$ [WBZ14, BT08b, GL16, LM93, vBW95]. $T^n$ [LZ12, LZ13]. $\tau$ [Han17, Meh84]. $\theta$ [ZT12]. $U(n)$ [DM79]. $U_q(\mathfrak{sl}_2)$ [Aln11]. $W$ [Arm17, SKM17, WfMR16, ZT12]. $W(2, 2)$ [ZT12]. $X$ [Tia17]. $X + M^*X^{-1}M - N^*X^{-1}N = 1$ [Zha16b]. $X = (x_{ij})_{n \times n}$ [WM84]. $X^{\ast}Y + X^\ast Y^\ast$ [LJ11]. $x_{ij} = -1, 0, 1$ [WM84]. $X_A^\ast Y = A$ [Wal75a]. $X_A^\ast Y = A^\ast$ [Wal75a]. $X_C = D$ [LLL17]. $\xi$ [LLL14, YZ13]. $Xm + A \ast X - nA = I$ [Dh03]. $X \times AX + XA$ [Bou14a, Bou14b]. $X$ [MNN+84, Sin94, SH98, Stu89]. $X_1$ [CPZ17]. $Z_2$ [DB14b]. $Z_{\nu, \nu}^\ast [AS15]$. $\|A\|_2$ [Mer81]. $\|A\|_{\infty, 1}$ [Roh00].

* [FdSV16, GV95, GdSV16, IT16, LWZ15, Ng14, QZ16]. *-algebras [Ng14]. *-derivations [LWZ15, QZ16]. *-identities [GV95]. *-isomorphisms [IT16]. *-superalgebras [FdSV16, GdSV16]. *-congruence [HS09].

03081087.2015.1020746 [Ano16c]. 03081087.2015.1107020 [Ano16b].


3-tensors [LPZ13].

6 [TT78]. 63 [Ano16c]. 64 [Ano16b]. 7 [Ano79b].

A. [Mar76]. abelian [CCS98, ES76b, MN80, MP13b, Nir11, Odo83, STME10, WL16a, WL16b, BF96]. Absolute [Fie90a, KP02, DH17, Jam95, ST73, SA10, Tag12, TH18]. absolutely [MSS18, PSS15]. absorption [BS18]. Abstract [Sin83, Sal79]. Accretive [BJ75, LS17]. accurate [Uhl14]. acting [Fri97, KME012]. action [Liu16b, Mer78b]. actions [RP04]. acyclic [AEdF13a, AEdF13b, DdF15, KS09, Moh16b, DF13]. Addendum [JR93a, Ric87a, Bal76]. addition [EL09, LS96a, LS96b]. additions [LLS16, NS93]. Additive [BHD10, BLZ11, Che14a, DHB07, FLS88, Gha12, JQ15, Kuz05, LP02, OK07, Pet97, Tag12, TZ06, XCC99, XPY16, XL17, Zha04b, ZS05, ZCC12, AS15, CdS03, Cho10, Fin92, MO13, Smi83, mWyD11, YZ13]. Additivity [DW12b, QH11, AA12, Gro99, Har81b, Tia05a]. Adjacency [Hua10, Lim10, BR14, But10b, KFR17]. Adjacent [DJK08, CW93]. adjoint [CGY13, CKL16, DRW93, FJS14, HH16, Kyr08, LLMT05, LT13, Moo95, TZ06, Tan13b]. adjointness [Kit91b, Sin84a]. Adjoints [Mar75, ER81]. adjugate [Sin82a]. adjusted [MH12]. Adjustment [Har95]. admissibility [BV16b]. admissible [Aze99]. admitting [Gar75b, MID17]. advances [Mer79c]. affects [Har81a]. affine [BBT07, FP17, GX17b, Kes83, dSP16b, Wit11]. afforded [Mer78b]. Aitken [Men74c]. Alexander [Men74c]. Algebra [DS02a, Mac09, SK03, Ahn11, BPS00, Bed11, BLZ11, BV92, Boa13, Bre12b, BF96, BSS12, Car88, Car90, Cha90a, CKLP13, CWS17, DK11, De 82b, Din15b, FW73, Gal77, Gor83, GR10, GPK94, GV87, Guz88, IKR12, Jac79, KS15, LCL13, Lip96, LZ12, LGB17, MS85a, Ma’15b, Mer92, OWX09, Pat86, Pat89, Pow88, Prz92, Wad90, Wad9a, WOY06, IWPW14, YWO07, ZT12, ZWW10, ZW14, dBS00, Ano79b, Ano16b, Ano16c, TT78, MT84]. Algebraic [ASZ02, BJ96, BP98a, FKP03, Gur97, KN97, KP02, Pat86, Tho90, WOW09, Wu05, Ze18, BL12, Bar07, Bar12, Bén10, CK84, Din00, Epk89a, FN14, Fie90a, GZY18, GL97, Haw05, HSX16, KF98, KIR00, KM01, KNO4, KN81, LRR87, Lim92b, LGB17, Ma’15b, New85a, PT10, Pie92c, Put82a, Put82b, TJ16, XSL15]. Algebraically [Had83]. Algebras [Boz97, Bre15, Che03a,
Applications
[Fur08, Gor83, Mer92, Whi80, BAN12, BLZ11, Bru79a, CGMR11, CV94, Che92, Cro08, CCLN16, De 82b, DW12a, DHKSH08, Dra17a, FJS14, FLS88, FJK98, GKS01, GHK16, GL16, GLS16, Gur98, HW13, lov15, KMR98, KT06, LS16, LL16b, LPH17, Mai11, Mer94, MS12, Mou04, Mou13, SRW07, SQH15, ySpW17, SL95, Son14, Tia01, Tia11a, Tia11b, Tia11c, Uhl79, Wan80, WH12, Wit11, YSY17, YW09, ZZY16, Zha15a, ZPCZ16, vD96].

Approach
[ASZ02, ACMR17, Bar07, BS17d, BAN12, Bur11, CKLP13, Cla92, DP98, Hau12, HRMP95, MVP14, Mou04, SK15b, TX13].

Approximate
[LK16, How83, MMR07, Pas15, Sol14].

Approximation
[TDL16, Che91, CJ12, Hav88, HU17, KS17b, UZ16].
calculations [Har96]. calculus
[BBT07, Cro08, Nie14, Par78]. Callebaut [BM15a]. Campbell
[BB14, DST91, NST89]. can [GHL16]. Cancellation [Wag87]. Canonical
[Afr73, BS13, HS09, Sta14, Sta15b, Wil93, GAGM18, HL09, HWZ18, Hor04,
LK16, PS91, Uh79, You80]. capacitated [Li85]. Capelli [Reg93, Wil81].
caps [Kes83]. Carathéodory [CH12, Sch92b]. carrier [Ste94a]. Cartan
[GLOT13]. Cartesian [QD85]. case [Bal18, BFZ07, Cai93, CH12, FJ90,
Gut01, GLS13, JLL88, Laf88, Lei83, PA10, Rai87, SvW14, tHK17]. Cases
[JN90a, BCdHP10, Hia94, Laf78]. Cassini [Mel12, Mel13a]. categories
[BF96]. category [Nas74, Sni83]. Cauchy
[Boz98a, Boz98b, Boz99, Bun91, Dra11, GT11, HKO16, Oku91, Sol06, zY11].
Cayley [Bed11, CW81, FFSF014, Paz84, Sch95, Van95]. Cebotarev
[New76a]. Cebyshev [Dra10, Dra16]. center [For79d, Pat07, Zim98]. Central
[BD13a, CN14, CN14, Lip96, Per15, ZHZ11]. centrality [REG07].
centralizer [ASAS79, dSP11]. centralizers [Bre15, DB14b, Liu16b].
Centralizing [LWXF15, XWF15, Wan16d]. centre [AFJK17]. centroid
[AFJK17, Pat07]. Certain
[Lev74, MR74, RJ04, BK83, BWF83, BP98b, BD85, Cha88, CN08, Düb97,
FY97, FJM00, FX12, Fei75, Fri90a, Fri97, GZ76, Gol79, HSMX16, Hem93,
HT92, Hui81, JN00, Kit91b, LT88a, LT89a, LP93, LLWX17, Lin15, Lon83,
LZ86, MS03, MS08, MS79, MHA17, MO13, MGA17, MM76, MS18,
Mou13, Ota13, Pat77, Pat89, Raj09, Rho94, WHX08, Wea83, vR11]. Cesáro
[Geh15]. chain [AS11b, MS10a]. chained [LLML17]. chains
[BC94, Gue17, Gur98, HH14, Kir14, LT12b, ME18, ORT15, PT10, Sie99,
Tan10, TLL11, TLL16, XL11]. change [BCdHP10, Har81a, JLLDS12].
chaotic [FKJ98]. Chapter
[BLP92, LT92b, LT92c, LT92d, Lim92a, Loe92, McD92a, Pie92c, Pie92b].
character [DF87, FJK14, Fon89, HT91a, SS98]. characterisation
[BKS12, Lafi84]. Characteristic
[Ben74, BH74, Fit94, GB77, Ger04, KNS96, KL92, Mir81, Nom73, Ric81, SL95,
Tre87, AFJK17, Ami80, BS15a, BP98a, BG79, CWN18, DP90, Fu76, GMZ11,
Hai88b, Li84, Lit17, Nor95, Nor08, Pat07, Prz92, Wad85, WW12, Zim98, d075].
characteristics [AHK92, HS89, HS91, Koh11, MMRR16].
Characterization [AH13, BP12, FJK98, Geh15, HDJT97, HOT15, Liu16b,
Sed11, Sém97, WM17, AAS14, AXH15, Ben78, BS15b, Cha77, Dok73, Dom14,
HH89, HLZ11, JK10, Kir94, Kri04, Koh11, LM95, LH13, MH16, MS08, MHA17,
Mc82, NBS15, Pan15, Sed81, Shr90, Ste94b, TL13, TG90, TWZ16, WSH+11,
WBZ14, WW15, Yua98, ZB13]. Characterizations
[AH10, BT08a, De 78, FdSV16, HLH18, JQS13, Li95, LZ11a, Pan13, Ruc89,
SRW07, SZWB16, WL15, WZD16, Wer94, Y13, ZXL16, BJ96, Dic84, ES98b,
LST89, SSW15, IWW15, ZWL15]. Characterized [EMS02].
Characterizing [GKT97, Joh11, LZ14a, Qi15]. Characters
[Leh76, BG79, Bri89, Fon92, Hol04, HK16b, Hua90, Kim91, Mer78b, Mer83b,
Mit10, Pat93, Reg87a, Sil84, Sta84]. Charles [Ano79b]. Chebyshev

Circulant
[GN02, Sjo93, Wat85a, BSA17, Bom02, BT15, DPP17, GKS01, XJW17].

Circulant-style [Wat85a]. Circulants [Ikr15b, New80a].

Circulant-style [Wat85a].

Circulants [Ikr15b, New80a].

Class
[Ber02, BR04, MSZ04, BL10, Bea83a, Bea83b, Bea84, BR01, BM89, BZZ11, Cha78, Cha96, Cla92, DD10, DS09, Dwl14, Ell95, ES76a, Fal97, FNBR96, GM86, HM76, HM78, JP86, Jun88, KM17, LT93, MRT16, MC82, Mer82, Mou13, PSM16, Phu80, Pok87, Rei75, Sed11, SGS05, Sol80, WG91a, Wat82].

Classes [GK02, MR74, ARH15, CL86a, CL86b, DP00, DF95, FJM00, Fie95, Hil76, HT92, HK13, HK16b, Hon99, KSMB16, KCBR87, KS76, Kur04, Lim76a, Lim76b, Lim82, Lim90b, MS08, MS83, MS08, MS83, MC86, MM76, Mer78, Mer79, ND05, Pop14, RH11b, Rob77, Sil88c, Sil90, Sil93, SS96, yT86, Tau81, Tra89, Tra90, WG91b, Zho16].

Classification [CLOK13, –Dok83, GR93b, Hai88a, Hai92a, Kar90, CF15, Hai97, Koo95, Lia80, SLH16, SLH18].

Cleavages [dLP09]. Clifford
[AF11a, AF11b, AF12, Ang00, Chi78, GR93a, LS16, SL15].

Clique [LL15].

Clue [LL15].

Cone [LL15].

Closed
[BSA17, HS83c, Li92, PY82, Wat85a, Zha14b].

Closure [BZ90, Lin00].

Clover [WW15].

Co [Mil15, SMBB+15].

Co-flag [Mil15].

Coalescence [GM90].

Coalgebra [HT12, Pan17].

Coalgebra-gra [Fan17].

Coalgebraic [Wis12].

Coalgebras [Iov15, ML16].

Coaxial [Veit83b].

cocharacter [Car88].

Cocharacters [Car96, Di 88, Rem88].

Cochran [TS05].

Codes [AS15, CW93, GTLN18, Hou09, KLZ10, Koo95, KP14b].

codimension [dBP09].

Coding [Gor83].

Coefficient [BV16a, DH86, HT12].

Coefficients [DL92, Dok93, Sen83, Tan12, ZZ15].

Cographs [Tur18].

Cohen [Cam14].

Coherence [CP16].

Cohomology [Zha15c, BCS18, Hou17].

Cohomology-decreasing [BCS18].

Coinvariants [CNW18].

Collatz [Zar01].

Collections [LR89].

Color [KP16].

Colored [SG805, SG09b].

Colorings [Dia90a, SG09a].

Colour [Zha15c].

Coloured [KP12].

Column [BZ09, Gz99, SK03, BT13, BcdHP10, FV97, HKS94, LSOvdD95, MSS18, Mum86b, Sal79, SS12].

Combination [BB06, BZZ10, For87, Pat83, PUO15, Xu15].

Combinations [BT08b, BLZ10, BR10, BSWO13, Den14, ES98b, FD12, For88, KKR12, LD17, LWY11, LWBA11a, LWBA11b, MM90, Tia11a, UÔ015, UPÔ16].

Combinatorial [Tra90].

Combinatorial [AD17, HS91, Tra89, CW89, CRY95, ER90, RS18, Reg87a, Wan79, WW01, Wil73].

Combined [BGGS17].

Comment [Gro96].

Comments [TT78].

Common [BDK+05, GKL82, Son14, Bar80, BKS12, DMDO92, JP15b, JN90b, TT06, Wil87, Zha04c].

Commutant [BBEL18, JS94].

Commutative [Bas17, Coa99, Fre76, Gus81,
Commutativity [DS04, JR93a, JR93b, Kun99, BZ89, DS13, DK16, Fos05b, GR93c, QJ15, LL11, Liu15, MS10a, Mol09, Pet97, QH17, Slo16a, WZL13].

Commutativity-preserving [Kun99].

Commutator [BLR12, Fei79, GPR84, Gur79, GL83, MW74a, Nof15, Obl12].

Commutators [RR02, Smi76, BKL97, BH15a, CLR81, Est80, Gil17, HS17, KL13, MS95, OR09, Rob77a, Slo13a, WZC11].

Commute [Ric81, Tur02, BT08b, HS83a, KE82, Sin76b].

Commuting [Dra13b, Fra13, SB03, BH90, Bea78, BCM18, CWSZ17, CL16, Fra17, Gur92, MS10b, TC13, UPO16, Wad90, Wan79, Wat77, Zel75].

Comonads [EGT16].

Compact [DH17, Kan16, Kit91b, MT11, Pep11, Ruc89, Tam97].

Companion [BT90, ERS12, MR12, PH97, dPN81].

Compared [Neu74].

Comparison [BS92, BT90, ERS12, MR12, PH97, dPN81].

Comparisons [JM13].

Compatible [dSP16b].

Complement [Zha04a, BT06, CPLH17, LM98, Neu81, PRS03, SL95].

Complementary [BM15a, FS14].

Completable [YD14].

Complete [GS95, JN14a, TL13, EM95, HZ11, HWZ18, HZ17, IS16, Obo16, Shr90, Tan13b, WOW09, ZWL15].

Completion [Den05, LBV13, IS15].

Complex [Ano79b, Bal78, CN04, JKS79, KFR17, Mac09, MY12, Mir81, Wal73, Bal14, Cha90a, CT09, CH87, CL74, DL92, Dok93, HZ12, Li84, LT88d, LM93, LT07, MF92, RH11a, RH11b, RS06, Rom89, Sin82a, Sin84a, ST91, ST96, Son08, Tan13b, Tan18b, Tie16, WL18a, Wes81b, thK17].

Complexity [BZ89, Con90, Har85].

Component [BC05, BZ90, BR01, CKP16, Der16, DJ98, DJK08, JKK95, JN14a, JTTU00].

Components [AY93, BM07, WI73].

Composition [KM98, PS91, Rem88, Roh00, Sta15a, Uhl14].

Computational [Zel85].

Compute [YZ16, FP17, McF79b, vD96].

Computer [MP87a, KCBR87].

Concave [AA12, Tam02].

Concavity [BD85, Mat90].

Concerning [AR15, Shi15b].

Concerned [AR15, Shi15b].

Concern [Har96, Sin80, Sin81a, Sin93, ST99, Tau74, BK87, GT79, Gy17, KNX93, KNX95, Mou13, Sin82b, TT78, TH80, Zou12].

Concomitants [BB96].

Condensation [Cal91].

Condition [LPS09, CC98, DS13, HB83, Jam88, Jam95, LLW11, LL17, Liu17, Pal79, Rou98, Zim98].
Conditional [HS12, BG16, FHZ17, Joh82a]. Conditionally [Józ15].

Conditioning [Que08]. Conditions [ibr00, JNT96, Lim92b, PH03, AE10, jAS15, BMGMC15, DJK08, EOvdD09a, EOvdD09b, GMZ17, Gue17, HB83, Hua16, Ikr15a, Mar90, Mat11, Okn93, Pet09, SQ15, Tia05a, Wan82, ZW17b]. Cone [KS02, LMR00, And96, Hil07a, Hil11, Pat03b, TB92, YH05]. Cone-Systems [KS02]. Cone-transitive [LMR00]. Cone-transitivity [Que08]. Conditions [Ibr00, JNT96, Lim92b, PH03, AE10, jAS15, BMGMC15, DJK08, EOvdD09a, EOvdD09b, GMZ17, Gue17, HB83, Hua16, Ikr15a, Mar90, Mat11, Okn93, Pet09, SQ15, Tia05a, Wan82, ZW17b].

Cone [KS02, LMR00, And96, Hil07a, Hil11, Pat03b, TB92, YH05]. Cone-Systems [KS02]. Cone-transitive [LMR00]. Cone-transitivity [Que08]. Conditions [Ibr00, JNT96, Lim92b, PH03, AE10, jAS15, BMGMC15, DJK08, EOvdD09a, EOvdD09b, GMZ17, Gue17, HB83, Hua16, Ikr15a, Mar90, Mat11, Okn93, Pet09, SQ15, Tia05a, Wan82, ZW17b].
Convexity [Hwa91, ST96, AY84, KMRS89, Li96, Man87, SP87, Tan97].

Coperturbation [AFM13].

Copositive [BS17e, SQ15].

Coprime [LT12b, Tan10, TLL11, TLC16, XL11].

Coproducts [Nas74].

Copson [CW10].

Coranks [Ger86].

Core [BT10, PM14, BY76, MRT14, WL15].

Core-EP [PM14].

Corona [CL17c, LZ14b, WZ13].

Coronae [LPH17].

Coronas [BS17a, DP17, Sta10].

Correction [Cal99, –Dok93, Tra90, MS16b].

Corrections [KNX95, LLS16, NS93].

Corrector [Chu84b].

Correlated [Sma17, TJ16].

Correlation [JT04, Pat03a, Dat16].

Correspondence [Foa79, Wat86].

Correction [Cal99, –Dok93, Tra90, MS16b].

Correctors [Kan94].

Corvariants [Bed10, BB17c].

Cover [BS16].

Covering [CS95, ST86, Fer09].

Coverings [But10a, MS10c].

Covers [CG16, Sch95].

Cowen [Bol12].

Cp [SMBB+15, Heo16, Shi16].

Cp-rank [SMBB+15, Shi16].

Cramer [Che93b, Che93a, Kyr08, Kyr11, Wer84].

Criteria [GB77, Joh14, WSZL17].

Criterion [BGdH92, Dix79, GPM98, JP15b].

Critical [Cal97, Cal99, Gel78, KdV99b, DH16, IJP17].

Cryptology [MZ17].

Curvature [Jac79, MZ91].

Curves [Ma15b].

Cuts [Mer94].

Cutsets [BS93].

Cutting [Ost74].

Cycle [BP09, HO17, JKK95, Kir09, Vo83c].

Cycle-based [Kir09].

Cycle-sums [HO17].

Cycles [CT16, DHK16, FdF09, LN16, SG09b, WH11, Wil93].

Cyclic [KW89, BL93a, BS17d, BP09, CP15, Hua01, Lew77, LEH96, LDL17, MW15, MS10b, SMF95, WT16].

Cyclotomic [New93].

D. [KM84].

Dam [zY11].

D’amorçage [BC06].

Data [BCR91].

Davis [CNP06].

Doković [Lon81].

Decidability [GB77].

Decomposability [Wes96, LK16].

Decomposable [MC78, Mar78, dP74, BD97, BLD91, BL92, CL95, Che94, CL94, CT09].

Har87, LT88b, L01, Lim92b, Lim97, Lim01, Lim10, Loe01, MF79, MC80, MC83, MC89, Mer77, Pat90, RS17, yT86, Wan82, WG91a].

Decomposably [GP96].

Decomposing [Sza09].

Decomposition [AJL14, CM85, LP02, YQ90, CM92, CH87, FLS88, GHT16, HT10, LK16, Mar78, QD85, Ro09, Sni83, Sta15a, Tia11a, jXL15, YZ16, Zha15a, ZZC17].

Decompositions [Ten10, BB17a, Fur08, GVS96, Hor04, Kru06, LMMR01a].
decrease [Sin76a]. decreasing [BCS18]. Dedekind
[FSvW11, GMR81, Tan18a, Wag87]. Dedication [Tho92a]. deduction
[Joh82a]. defect [CK17, SU77]. Defekt [SU77]. defined
[ES76a, GP06, HSM17, MC80]. Definite
[DH03, AO78, Bak84, Cha92, Cha93a, Che92, DPP17, Dru15, DWL14, Fan73,
Fan92, Fla75, FS15, FSY16, GMZW86, Har78b, JN80, JP87, Józ15,
LLMT05, LL14b, Mai11, MK16, Mol15, Pat92, ST94, Zha80c, Zha16b].
definiteness [Cha90a, Ibr00, LL16b]. definiteness [Cha90a, Ibr00, LL16b].
definition [CKP09]. deflation
[Ami11]. Deformations [ZL15, Bre17, Zha15c]. Degree
[Yiz03, BZ00, BM89, Cal94, Cal97, Cal99, Cha77, Cha79a, CPLH17, DTSI15,
Ere15, Gro95, HW75, Mar90, MP73, Mer78c, Mes13, O'R15, zSqSZ16]. Degrees
[HS87, MZ17]. delay [CW17]. delayed [DHKS16]. delete
[BVW84]. delete-contract [BVW84]. deleted [LS09, ZWL15]. dendriform
[Bre17]. Dénès [Aha76]. density [GHL16, MN12]. dependencies [Knu85].
dependent [GMZ17]. depth [Vo83c]. depth-first [Vo83c]. Dereee [Cal03].
derivability [CW11b, CW12]. derivable
[Gha12, JL12, LPS13, LF13, Wan17a, Zha16a, ZW14, ZXL16]. derivation
[Bou06, Hon17, MS87, WHX08]. Derivations
[Che03a, Lim92c, WOY06, YY10, AH10, AH13, AXH15, Ben07, Ben15, Ben16,
Bre16, Cal94, CGOT13, CX12, Da 94, DD15, EPR16a, EPR16b, FZ17, JZL12,
JQS13, KP16, Khr16, LW15, Lee16, LCL13, LZ11a, LW11a, LB11, LL14,
LL10a, LL11, LCL14, Liu16a, Liu17, Lon76, MJ07, Mag13, Mag14, MW74b,
MA75, Q15, QZ16, ST99, TRD16, WY11, Wan18, XW12, YZ13, ZWZ10].
Derivative [Tur02, Dec74, DM87, MS81, OvdD77]. derivatives [KE82].
derived [EB17, HS91, SK15b]. described [Gon17]. Description
[GMZ11, Bal18, Hii07a, Hii11, Li92]. Design [Chu84b, WM84]. Designs
[GA02, NW02, Der83, GGW76, LN10, Sma17]. detection [Kar90].
Determinant [CD03, Nag17, BS15b, BM07, Cal91, FV97, FLR85, HS96,
Hon91, JOTvdD94, Kua18, Lau81, LOSvdD95, Lim79b, Lit17, LCS8, McD82,
Min77, QK92, Rou08, Ve18c, Wen06]. Determinantal
[BJ94, CNU16, Kyr11, YY09, BP98b, Dru14, DL14, HL84, Hon92, Hon93,
Li92, LZ17b, Lon97, New79, New82a, Ve18a, dC13, dC15]. Determinants
[BT15, HZ11, LT12b, MN80, Mah82, New80a, PA94, Pri78, SwV14, TT12,
Tan14, TT78, BMD87, Bla77, ES73, Est80, FW86, Gar75b, Hon99, HH14,
JNT96, LPS13, Loe87, MS89, Min80b, Odo83, San14, Sim83, Sto79, TX13,
Tho75a, Ve18c, Ve18a, Ve18b, Ve18a, Ve18b]. determined [LL16b].
determined [B12b, BH15b, Gha13, Gra10, Gra11, MDW11, MA15c].
Determining [BMGMC15, Kas85, Vo83a, AS12]. developable [BB13].
Developments [CD55]. Diagonal [BGGS17, Wan76, Ball79b, BBB78,
OSvdD91, BKS12, BS08, Bur95, DKS95, DD12, FS89, HH85, Hon91, Ikr15b,
JR09, JLS12, LM89, Lon90, Mir92, Moo76, Neu83, Pat82, Pok87, Pri78,
Sha91, Sto79, TT78, WOY06, WC12, Zab89]. diagonalisability
[Kob06]. diagonalizability [FHL+13]. Diagonalizable
[Tur02, KS16, Nie14, WW12]. Diagonalization [AY74, MS10b]. diagonalizations
[Uhl79]. diagonally
Diagonals [EM73, Pif87, BS08, Lás91, Web83], dialgebras [BPSSO12, FSFSO14, KV13, SDVWT16], Diameter [JS16, Tsi83, LP07, TJ11, VH95, WH11], diamond [Cir17, LPT14], diassociative [Bre17], Dickson [FSFSO14], dicyclic [DP00], Diagonals [BGLS07], Difference [KR03, JHT85, DH17, FN14, HP90a, Igl99, JvdD91, Mia93a, Sal14, Sil88c, Sil88b, SS96, TCI13], differences [TX13], different [Bén10], differentiable [CFP10, Nom73], differential [BBT07, BZZ11, Cam83, CW17, DTSI15, Fin92, HSX16, Len76, NS99, NT91, Wit11, XSL15], differing [New93], digital [Chn84b, Sto79], digraph [BBZ15, DK17, LM10, SZWB16], digraphs [BP90, BP16, CFGM06, KP12, KFR17, LM10, PR08, Rad12, SG05, SG09a, SG09b, SSG12], Dihedral [Ano16c, Ous15b, CP15, CNW18, HK13], Dilation [GW98a], dilations [CL00], dilute [Din15a], Dimension [ASZ02, Gra80, How80, BM14, BM16, Cen11, CL86a, CL86b, CR77, Con77, GPK94, MM09, MN13, Pam87, Rob75, Rom89, TH14, Wri93], Dimensional [BR04, ySpW14, AELPM18, BC83, Bar07, BB14, Car88, CDJ13, CW11b, CX12, CL17b, Das17, Dok83, Edw78, Far94, Gol79, Gol07, KK75, KL15, LF15, Liv94, Nag17, Nir11, Pas15, Rai87, RH11a, RH11b, RS08a, RS09, Sel81, Tal17, Tan18b, WC12, YLL90], Dimensionality [Hi176], Dimensions [MR74, Cas91, Jon78, MO91, MM76, WL16a, WL16b], dimer [Min80a], d’intégrales [BC06], direct [BHK10, Fow80, Goi92, Hol84, Hol85, KLO14, KL13, LW10, Tho92c], directed [Bru82, Guz88, Kir14, Lee98, Wu05, XQ16a], direction [KM17], disaggregation [HUZ17], disc [CPLH17], Discontinuous [GL01, Fri97], Discrete [Dic84, FN14, GM217, HMO11, KW89, LRR87], Discriminant [Pic79], Discriminants [Wad85, Edw80], discs [AK94, GW12], Disjoint [Bru79b, CT16, Tia11a, WSH+11], displacement [Boz97], Disproof [Gib87], Distance [Aue95, BHD11, Bcem12, HW08, LT89a, LLD17, Rum97, Sha15, ZW17a, AW07, AH16a, Aue98, BS11, BK17, BS17a, CC14, CFGM06, Cos14, Dod13, DIF13, GB11, HS95, HS16, JJK95, KLPK17, LS12, LS13, LL15, LZW18, LT13, LXR17, MS89, NP13, Pat07, RP90, Sch92b, SP87, TG09, XZL14, ZX16, ZG11, ZBW16], Distance-regular [Bcem12, HS95], distance-regularity [CFGM06], distances [SWZB15], distinct [AOTR11, CJ97, KLPK17, Ota13], distribution [LN4, Sto79, Til98], Distributions [Fkr93, TL12], distributive [CZY12], Divergence [KD16], Divided [TX13], Divisibility [DK11, Tan10, TLL11, TLC16, Wit11, XL11, Zha14b, Hau12, LT12b, Tho88], Division [RR04, HWZ18, Hua10, Rs08a], divisor [HH14, Kris87, LT12b, Tan10, TLL11, TLC16, XL11, ZWM17b], divisors [Bar80, BC91, DS16, Gau76, GLS82, MW74b, Mcf79b, Mcf79a, MP73, Min82a, New79, New82a, Nor08, Tho86a], Djordjević [ZZY16], Do [MS10a, BT08b, Kuz05], does [BPW16, Sta10], doi [Ano16b, Ano16c], domain [BJS98, Diz99], domain-range [BJS98], domains [NST89, Wag87, Wei93, YW09], Dominance
dominant  

Dominated  

Doubly  

Doubly-one  

Doubly-zero  

Doubly-stochastic  

Drazin  

Drazin-inverse  

Drew  

Dual  

Duality  

Duffin  

Duhamel  

duplication  

Dyads  

Dynkin  

E-efficient  

E-optimal  

each  

Eaton  

Eckart  

Edge  

edge-disjoint  

edge-grafting  

edge-most  

edge-pockets  

edges  

Editorial  

Editorial  

effect  

Effective  

Effects  

efficient
[AAB17, Sma17]. **Egorycev** [Min82b]. **eigenbases** [AC13, Aln15].

**eigendata** [GPM14, MMG15]. **Eigenfunctions** [Red02]. **eigenmatrices** [Kir11]. **eigenparameter** [GMZ17]. **eigenparameter-dependent** [GMZ17].

**Eigenproblem** [IPW14, BOvdD95]. **eigenspaces** [GTM14]. **Eigenvalue** [Har78a, JSE90, MMRR16, Ano16b, BNP06, BLP08, Bel15, BPS16, BPW16, Bén11, BCK15, CC17a, CQW16, Cro18, CCLN16, CR90, ES76a, Esc93, Fan05, FdF09, Gar85, Guo07, Har95, Joh84, JL85, JLR92, JD99, JLS09, JLD12, KMT96, LP00, LLL08, LLZ13, LLL15, L116b, LZ16, LW12, LZ15b, LPW17, LGX17, Loc73, MMG15, MS15a, PLH01, dSP12, Rea96, SG96, Shi15a, Sim95, Smi05, Sta10, Tho92b, Tre85, Tre86, Ves80, Wal11, XZ16, ZHZ11, Zhu15].

**eigenvalue-eigenvector** [Har95].

**Eigenvalues** [JHT85, JM85b, And04, BWF83, But10a, Cas91, FIS06, GKV89, Gro95, HLP03, MS95, Rod02, Ter90, VH95, Wea83, AM13, AS17, AB78, Ano79b, Ash16, AOTR11, BF05, BOvdD91, Ben90, BT07, Bru82, CTW15, Cra09, Da 05, Das04, Deu80, DM79, DJ89b, Edw78, ELG88, EJ91, Esc93, FJ15, FW21, FS14, Fer10a, FW13, FS99, GRSW92, GJMW86, GZ90, GHK16, Ha89, Her83, HS93b, HUZ77, HW75, Hm16, Jin17, JKB17, JK87, JS89, JSW09, K91, K90, KLKP7, KNX93, KNX95, KK16, LS10, LL14a, Mac09, MVPS14, MS99, MR07, Mer94, Mon13, NS99, Nie10, NTU93, Pa79, PGL00, SU77, ST15, Sill88a, Sill93, Sill99, Ter01, Ter06, Tho74, TL12, dLO17, dOM77].

**Eigenvector** [RP90, Che14a, CPZ17, Har81a, Har95, Hav88].

**Eigenvectors** [BD14, AM13, AGM13, BWF83, BDK+05, ER81, Fan88, FJS14, Fre76, GF10, HQ14, Lit17, MOvdD90, McD92b, Moh16a, Wea83].

**Eigenwerte** [SU77].

**Eight** [Tal10, Dok83]. **eight-dimensional** [Dok83].

**Einstein** [BM17a, SZBW16].

**Element** [BB17b, DMS95, Fer09, HW75, ZCP16, ZCP17].

**Elementary** [BC91, CL13, FL16a, Gau76, MW74b, McF79a, MP73, MS02, Pie85, Sed04, Aue95, Boa13, DS16, For87, Jam81, Joh81b, KKR12, Kri87, Li87b, MS82b, MKS84a, McF79b, Mi86, Min82a, Nor08, Oge94].

**Elements** [Ger04, BBSB09, Boa13, BM17b, Bre15, BS07, Cro18, Deu80, DKS09, Hon91, HK10, KM85, LR13, LPT13, Lim10, Lon90, MV91, Mir92, dSP16a, Sch79, Sl13c, ZC812], **eliminated** [TB01], **elimination** [BJ94, LW10, Stu92].

**Elliptic** [CN15, GW08, GW12]. **Elliptical** [BS04].

**embedded** [Fon92].

**Embedding** [Cra91, Wal86, Gue17, TZ17].

**embeddings** [De 08, Hor04, Pan13, SZ85, VDW85].

**empty** [LPS09].

**enclosing** [vd96].

**endomorphism** [ZY08].

**endomorphisms** [GR14, Mol15, Rus16].

**Energy** [Mer94, PR08, Ste05, BP16, BSA17, BBZ15, BSC+12, FHT14, GB11, Hon01, KFR17, Rad12, Tan12, Tur8b, ZZ15].

**Engel** [DS13, Liu17, Mat11].

**entanglement** [Aud15, Joh14].

**entire** [SK15a, SK15b].

**entried** [dPN81].

**Entries**

[Allen81a, BGV11, BGGS17, CJ97, CL14, FW07, FW86, Her83, HNS99, INO15, Ito16, JKD16, Mee80, Min84, Moo76, Pok87, SG96, Sil98, STZ94, Zel75].

**Entropy** [Zha14a, Drn13, Fur11, MN12, ZBW16].

**Entry** [Che03b, Cha84a, JLD12, KS82].

**Enumeration** [Chu90, WW76, Whi79, Wil83].

**enumerative** [Whi75].

**envelope** [Ch198].
EP [BT08a, DKS09, HS83b, MRT16, PM14, WD17]. **Epimorphisms** [Slo15b]. **epr** [MR17]. **epr-sequences** [MR17]. **equal** [AW83, Bot87, FHT14, HW75, Lim90a, Lon90]. **Equalities** [AC78, BCI13, MS74, MC80, Tia01, Tia11b, LW11b, LW10, MC83, Oku93]. **Equation** [AP74, Che93a, Tia03, AGR91, Bak84, BGdH92, Che93b, CK84, CIDK07, Dat80, De 13, DWL13, DWL14, GPM98, HW13, Ig99, LRR87, Lei83, LQ95, LT10, LR89, MK16, Ned98, Roh04, Sal14, SWL13, SPK15, Vei83a, Wil83, YL11, YLW15, Zha16b]. **Equations** [DH03, Fla74a, Pas16, BBP78, BS17d, BC06, BZZ11, BSS12, Cam83, CL80, CW17, CCL10, DH86, DTSI15, DH11, Din00, EO15, FHW16, FN14, Fin92, Gra80, Har94, HKT15, HW14, HW15, HSX16, Hla17, JvdD91, JSY14, KP11, KM17, KN81, fLLL+17, Lip96, Lon76, Mag83, NS99, New80b, Pen15, PM78, Roh91a, SLUC04, Son14, SK15a, SK15b, ST97b, Tia00, Wal75a, WH12, WZH13a, WZH13b, XSL15, YqS16, YW16, Zha04c, BC06]. **equienergetic** [LS09]. **equiponderant** [Pif87]. **equitable** [Aln11, AC13, Aln15]. **Equivalence** [Gol87, New79, Zha01b, Ari16, CH87, Drn13, EOvdD09a, EOvdD09b, Gow80, Grüt76, HW18, HW08, Hou09, New78, Oge94, Pet00]. **Equivalent** [AXH15, Bru79a, Hou09, Vei83b]. **erasures** [Ano16c, Ous15b]. **Erdo** [LN16]. **Erdos** [GX17b]. **Ergodic** [MSS13, Har84b]. **ergodicity** [Sen83]. **Ernst** [Vei83a]. **Erratum** [Ano79b, Ano16b, Ano16c, JZ95]. **Error** [Hav88, MS16b, Ned98, SWL13, UZ16]. **errors** [AM13, CLW15]. **Essential** [BHCL16, JKD16, JLL07, AB16, JR94]. **Essentially** [Joh73, Joh74a, Joh81b, NST91]. **establish** [Tia18]. **Estimate** [Gil93, Bou06, Con77]. **Estimates** [Fri93, GHK16, LLW+11, MFPSS12, AP17, CPLH17]. **estimations** [ZFSX17]. **Estrada** [Sha15]. **Euclidean** [AW07, AGR91, Gil16, GT11, JJK95, ST15, TG09]. **Euler** [Prz92, TD14, Tal17]. **Eulerian** [Gar79, TB01]. **evaluated** [Mes13]. **evaluating** [Cal95a, TX13]. **even** [AM13, CQW16, CLN16, HH14, Jin17, JKB17, SA14]. **Eventual** [YHCW14]. **Every** [Slo17, Vas86]. **evolution** [CGOT13, ORT15]. **Exact** [FP17, FHW16, Hsx16, Hua01, MO93, Tia18, XSL15]. **exactly** [Esc93, HW75]. **Examples** [Wes90, KCBR87]. **exceed** [BPW16, Sta10]. **exceeding** [LZ15b]. **Existence** [DHS95, Her83, AE10, Fow80, LRR87, MHA17, Nas74, Roh91a, Tie16]. **expanding** [Che95b, EM15]. **expansion** [CRY95, Hon91, Krä87, TSYB82]. **expansions** [RW96, Wil87]. **expectations** [BG16]. **experiments** [Con90]. **Explicit** [CICX09]. **explicitly** [KS16]. **Exploiting** [HWSH13]. **exponent** [HJP17, HL10, LM95, Liu92]. **Exponential** [SW81, BV16b, Bel83, Chu84a, How83, Mar84, Tho86b]. **exponentials** [Cam78, ST91, ST00]. **Exponents** [SGS05, SG09a, LB99, SG09b]. **exposé** [Gar73]. **exposed** [HK16a, Mar13, YH05]. **exposition** [Mar89]. **expressible** [Pat83]. **expression** [Tia11b]. **Expressions** [BL13, Wei98, FP17, Tia10].
Extended [GRMA13, De 75, HZG14, Mar78, Mas10]. Extendible [BS07]. Extending [Cir16, Sol00]. Extension [Hua90, LS16, Lei83, LLW07, Pat81, SL17, BR01, BD13b, Far94, Fie73, FH89, GJR97, HS75, Hou17, Kua18, LZ17b, LZ17, Mi15, ZZY16, Zha15b, dC13]. Extensions [All14, Atk91, Dji16, Gar75a, Hal86, LL14b, SPS15, BWLL12, BG83, BCS18, EL90, Epk89b, Epk89a, Far93a, Hua09, MV75, Mit92, MP13b, TT12, Wer84, Wes96, ZL15, ZN18]. Exterior [Tan98, AGR91, Coa99, Gre99, GV87, Jac79, Lim77]. Extermal [SM94, Le95a]. extrema [For87, KKR12]. Extremal [BP98b, CJ97, CH12, Grz89, GLS13, KN00, Tia11b, AO78, BSG+12, BK87, CSCHO1, Fla75, Li85]. Extremals [YH05]. Extreme [Pat03b, Tho75a, Kan87]. F [Ano16b], Fa`a [Wen06], Faber [ZZZ12]. Face [SHC02, Bru85]. Faces [Bar78, DH91, FS86, Hwa85, YH05]. Facial [So90]. factor [Ami11, HZXL15, JQS13, QJ15, LT14, LJ11, Liu16a, Mol09, WJ16, Zha16a]. factoriality [MM05]. factorials [TX13]. Factoring [Eba92, JSP96]. Factorization [ADRP14, Bot94, DKS09, GLR82, JT03, KML95, KLZ96, Vin04, Adu15, BG86, Bot96, Che07, Gal01, HZ12, L17, MZ04, MR12, Neu81, Rem90, Sou86, Sou92, Tia11c, Wim88]. Factorizations [Gal03, cc85, Joh81b, LR96, MR97, RR91, Wal79b]. Factors [Ger74, Aze99, Fow80, HS85, MS04, NT86, Si88b, Tho87a, Zab98, Zab90, ZYL13]. faithful [CR15, Man17, WL16b]. Faithfully [RD12]. families [AAS14, BD14, CM15, HH85, MR17, Mer97, Ve83b]. Family [KMS02, KS16, Kau87, KMOE12, Nom73]. fan [Adk95, Sm94, Gro17, JLL88, MP94, MP95, Mos12]. fan-pall [Adk95]. Farka [Bar07, Bar12]. Farkas [XLL15]. Farkas-type [XLL15]. fast [XJW17]. Faster [Uhl14]. Fastest [AS11b]. Feedback [BZ09, BFZ07, BCdHP10, DHKS16]. feedbacks [HRT15]. Fibonacci [DH17, EB17, KI16, Sla16, TD16, dF11]. fibres [MT11]. fidelity [ZBW16]. Fiedler [BD14, CGMR11, Kua18]. Fiedler-like [BD14]. Field [Ric81, Ber05, Bra86, CJK+13, DB14b, Ell93, Fri90a, Ful76, Gib76, Joh75b, KK90, Kyr11, Mau78, Mee80, MN13, New93, Ota13, dSP16a, PM81, PM85, SMS15, Uhl79, Uhl14, Wes96]. Fields [XCC99, Adk95, Ben74, BB75, BM12, BD13a, BZZ10, CC17b, DP09, Epk89b, Epk89a, Far17, GW14, GWZ16, Hai88b, Haw05, KC16, Mgo16b, MP13b, Nor95, Nor80, Sta14, Sta15b, Wat89]. figures [Pok87]. Filiform [CCGO11, ARH15, CLOK13, KLO14, LBV13, RH11a, RH11b]. Fill [Dji16]. fillings [AW13]. filters [Chu84b, Pat17]. finally [Uhl13]. Finding [Vo83b, HKT15, Sol14]. finest [Uhl79]. Finitary [DS02b, DW16, BFJ12, BFK18, Khr16]. Finite [BR04, Che95a, Dhe93, KLS08, LM03, Tan74, Adu15, AMZ13, BG16, BM12, Bra86, BD13a, CCS16, CC17b, Car88, CDJ13, CP15, CW11b, CZY12, CX12, Das17, DL92, Dok93, Ell93, ES76b, Fal97, Ful76, GA85, Gol79, Gol07].
finite-dimensional [CDJ13, CW11b, CX12, Das17, Gol07, KL15, Nir11, Pas15, Tan18b], \textbf{finite}\textbf{-}dimensional [CDJ13, CW11b, CX12, Das17, Gol07, KL15, Nir11, Pas15, Tan18b].

finitely [BS15b, Ber05, HMO11, Hua96, TLC16]. finiteness [FSvW11]. First [RP90, BC06, KN00, Vo83c]. Fischer [BJ93, Dru14, DL14, ES76a, HB83, MHH96, Mar76]. Fischer-type [Dru14]. Fishkind [Dji16]. five [HM76, HM78, MO91]. Fixed [ZX16, Ach77, BOvdD91, BDK⁺, Cha84a, DM87, GL11, Hon92, JP07, KS17a, LP07, LT93, TH14, TJ11, Tia17, Wes87]. fixed-points [Hon92]. Flag [HLZ02, Mil15]. flagged [Cha90]. Flanders [GJR97]. Flag [HLZ02, Mil15]. flagged [Cha90]. Flanders [GJR97]. flat [CN14]. flows [Lee98, LT13]. force [CN14]. Foregger [Cha84b]. Form [Afr73, New94, Arm17, BK17, Bed11, BG82, Cha96, Der83, Ger82, GRMA13, HS83c, HWZ18, HH85, Ikr15b, IH11, INO15, KH05, LMR94a, Mau78, Nak95, Nor95, PS91, Pro95, Shr90, Uhl79, Ve183a]. formal [BC06, CQH15, MPI17, Reg89, Rys75]. formally [Adk95, BB75]. format [Sta15b]. formation [DC15]. forme [Rev81]. formelles [BC06]. forms [AY93, Bae84, BT90, Bed10, BX11, BS13, CHI78, CO12, Dra17a, Eps89b, Eps89a, Fei75, Fow80, Fu76, Gal79, GP14, GQ06, HL09, Hor04, HS09, IKR12, KN81, Lew96, Lew97, Mar97, MN13, MP13b, O'R15, Per17, Pie74, Rob77b, Sin93, Sol80, SPM14, Sta14, Sta15b, Tan81, TS05, Wag87, Wil93]. formula [AH16b, Bed11, BG90, Cal91, Cla82, CD15, Dji16, Ebe80, FZ11, GR93a, IW95, Kran87, Lei83, Mit10, Mos15, NST89, SwW14, Tho68b, Wen06]. formulæ [BJ94, BT11, HS83c, REM82, Van95]. formulas [AY93, BSA17, GRMA13, Rom82, SQRH15, ySpW14, Tia18]. Formulation [CN04]. four [Kom10, Edw78, Gra87, HWZ18, Tal17]. four-dimensional [Edw78, Tal17]. Four-term [Kom10]. Fourier [Dok93, DL92, KW89]. Fourth [KM92, jAS15, GM87a]. fourth-order [jAS15]. fraction [TSYB82]. fractional [Rei77]. fractions [CM85]. frame [Far17, KL13, SA17]. Frames [AB17, Ano16c, FDL14, KLS08, Ous15b]. Frattini [GLOT13]. Fredholm [BBBS09, MS99, MO13, Yu14]. Free [Alp95, Dre93, Egg95, GB77, PA94, Sla16, Sur98]. freedom [HS93c]. freely [Sch99]. French [BC06, De94, MM92]. friendly [Koh11]. Frobenius [BOvdD95, BGLS07, Bha77, Fie73, Gil77, GS83, Gut01, HL84, MHH96, Mit10, Nag7, SPS15, Van79, Zou12]. Fuglede [Ras17]. Full [Har91, Mum86a, AEDF13a, AEDF13b, LaF84, MSL18, Wan17a, ZWM17b]. Fully [Har87, HL10, Liu92]. function [AFM13, BH16, Bou14a, Bou14b, CRY95, Cha92, Cha93a, Da 88, EDKA07, FD14, GP14, GP74, HSM17, HFS15, How80, Jam81, Kap77, KN04, KK16, Lei95b, Lim00, Lim73, Lam84, Per17, RW84, Sal14, SMM14, SMM16, SK15a, Tia17, Wan79, WZD16]. function-induced [Da 88]. function-valued [FD14]. Functional [Ere15, Lee16, Nie14, REG07, AGR91, Cro08, KDL16, Pep11, TB01]. Functionally [Fre76]. functionals [Lee15, MR75, Pap13]. Functions [AMP02, Hon99, Pie85, Tam02, Tur02, You80, Anj17, AA12, BT13, Bal79a,
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inflations [GW98a].

influence [Sch77].

Influences [CP16]. Information [JS91, BL80, DHKSH08, FLHLS13, Fur11, ShDHG08]. Inheritance [BS17e, BS18, Pan17]. Inner [BLdPS04, Tan16, FDI4, LMR94b, LMMR01a, LMMR01b, Pat08, Tan13b, Uhl82]. Input [Har94]. integer [BT07, GRMA13, LS0vdD95]. integers [New85a]. Integral [LYZW12, Yiz02, Yiz03, BHK78, BG97, HK79, HK80, Hsi78, HHW15, Kri04, KAD10, Kri87, MTR11, New74, Tan81, Tho86a, Tho86c, Tho87a, Tho88, Vas86, Wei93, Y17W09, coc85]. integrality [MM05]. integrals [BC06, Sim83]. interesting [Bru85]. Interlacing [Mar90, CM84, GT11, ISCS11, LM98, LPS12, NU94]. intermediate [WOY06]. Internal [BC83]. Interpolated [SYK15, YSK15]. Interpolating [AkK17, CJ12, KK16]. Interpolation [JvdD88, LP11, AG15, BCR91, CLW15, CLR81, LPS12, NC78, NT86a, Tho87a, AE10, Aze99, Bae84, BG86, Ben78, CW81, CDJ13, CLW15, CLR81, Fri90a, Heo16, HS87, HJ87, HMN91, JS94, JP15b, JL88, JN92, KMO12, LT87, LT89a, LT89b, LT90b, LT90c, LT91, LT92c, LT93, LLW07, MKS84b, Mar90, Mc9D92a, MMMR09, NS85, Pok87, RRR93, Rod81, Sel81, Sil88a, Sil88b, SM95, SAV01, Sin73, Sol80, Ste82, Wan17b, XFG14, Zab89, Zab90].

intersection [JNBR93, AN14, BCS14, HS83c, Tho75b].

interval [Aze99, Har96, Hla17, KSMB16, KP11, RR95, RK94, Roh06, Ska17, XLL15].


Invariant [BR04, De 90, Dom14, Ger74, MZ04, NT86, Pat77, Sil98, Tho87a, AE10, Aze99, Bae84, BG86, Ben78, CW81, CDJ13, CLW15, CLR81, Fri90a, Heo16, HS87, HJ87, HMN91, JS94, JP15b, JL88, JN92, KMO12, LT87, LT89a, LT89b, LT90b, LT90c, LT91, LT92c, LT93, LLW07, MKS84b, Mar90, Mc9D92a, MMMR09, NS85, Pok87, RRR93, Rod81, Sel81, Sil88a, Sil88b, SM95, SAV01, Sin73, Sol80, Ste82, Wan17b, XFG14, Zab89, Zab90].

Invariants [Gur97, Man78, PW78, ARH15, AMZ13, BZ99, Bed10, Bed11, BX11, BCdHP10, BB17c, CNW18, CN15, Dok09, Dom00, Dre93, Fog73, GA85, GH99, GL97, KP92, Lop11a, Lop11b, Lop18, MA17, RH11b, Sch75, Sch78, Tho88, Wat83].

inventory [Mer83a]. Inverse [BS11, CLX03, HS16, LSL14, MNN98, Min82a, ZHZ11, AHK92, BT10, Bap97, BC05, BAN12, BLZ11, BB17b, BS17e, BT98, BZZ10, BZZ11, BS2W13, CC17a, Cam88, Cam88, Che95a, Cre80, CICX09, CIN15, Dec74, DD10, DCIW10, DS16, ER90, FS18, FdF09, Gar5, Gro99, HMT8, HXL16, HPZ84, HPV88, JL93, KMR89, KW11, KR07, Kyr11, LP16, LWY11, LYZ12, LP17, LL78, MP16a, MA15, MMG15, MS15a, Mos15, MAM15, PA90, PM14, PH97, Rea96, Siv06b, SM95, SPM14, SPK15, SPK15, SKM17, SZBW16, Tia05a, WL15, WMR16, Wei98, mWyD11, XQ16b, Xu93, YZ14, YW05, YW09, ZFSX17, ZBW12, ZCP16, ZPC17, ZPC17, ZPS16].

Inverses [BP74, GN02, MR15, Rao01, Zha04b, BI95, BHK78, BM17a, BT06,
BL13, BGV11, BT15, BGZW16, CKN95, Dra13b, Dra18b, HK79, HK80, HM76, HM77, JGK79, KS15, KM14, KCICV18, KR14, Kyr08, LPT13, Li11, LW11b, LW08, MR13, MP13a, Mia93b, MS12, Nab98, PP16, Rad16, Siv06a, Smi74, Sol14, Sta15a, SKP18, SPS15, Tia01, TC04, TS05, TT06, Tia10, Tia18, VM07, WC15, XCC99, XQZ13, YLS10, Zar01, ZX10.

Inversion [JTW17, FZ11, JS91, Jon78, Tis93, Wer86].

Invertibility [BLR12, Den14, FSvW11, KR02, KR03, SR17, Wat83, Zel75, Aue95, Aue98, BLZ10, Bou13a, BMGMC15, CQH15, CIP18, DW12a, DD12, HCl14, LD17, MS09, PA10, SA17, TC13, ZZ16, ZCCIW12].

Invertible [BLSV12, Gur97, GL97, BS ¨U¨O13, Che07, Fra13, Gow80, GHL16, HB15, LpW16, LWB11b, Siv06a, Siv06b, Tan13a, XPY16, ZZC17].

Inverting [KHG13].

Involutions [Slo13b, BL11, BFJ12, Fie95].

involutive [LWB11a].

Irreducibility [MM05, Mer75, Mur89].

Irreducible [GT14, Lla96, Min74b, Tan13a, XPY16, ZZC17].

irrational [DH91].

Irreducibility [MM05, Mer75, Mur89].

Irreducible [GT14, Lla96, Min74b, Abd09, BCS14, Bru79a, Df87, Els78, Fom89, Fri12, Hol04, Hua90, Hun83, Hun86, JP15b, Ksmb16, Kra05, Lz09, Li95, Min74a, Pat93, Pul75, Roh06, SZWB16, TB92, IWW15, YSy17].

irregular [SHS17].

Isolated [BS08, SRW07].

Isometries [DLR91, KL95, LS02, MN12, Do90, GW16, HS83b, HFS15, LT88d, Mol15].

isometry [CP16].

Isomorph [Whi74].

Isomorphism [ARH15, Oge94, Cve95, Dix79, RH11b].

Isomorphisms [BDvW12, BD12, BDvW16, BFK18, DFP13, IT16, Lwxf15, Pan15, Wan16d, XWF15].

isospectral [Mer97].

Itô [AM15].

Iteration [Fan83, Ch06, LZ16, TT15].

iterations [Mis17].

Iterative [CC17a, Dh86, AAB17, ALP94, BS17d, Gis89].

IV [Chu90].

Iwahori [Mit10].

J [New83].

J. [Mer79b].

Jacobi [All14, CKN95, GPM14].

Jacobian [Wri93, Yu96].

Jacobians [Neu83].

James [CP13].

Jensen [Anj17, BHK10].

Johnson [Ano79b, Moh15, Hu94, Rub89].

join [MH12].

Joint [GR93c, MS15b, DM14, JX13].

Jordan [MC17, AAB15, AEV12, AH10, AGAG96, Ben05, Ben16, BDvW16, Bre16, BN88, BC94, BFK18, BM16, BMGM15, CL17b, DPW13, DW12b, Fkk11, FJ09, GT11, Gra11, HL09, HS91, HLH18, HZXL15, IT16, Kay17, Khr16, LW15, Lee16, LZ11a, LB11, LPS13, LF13, MJ07, Mol15, Nor95, Nor08, Pas15, PT10, PS91, QZ16, Ro199, ST15, Slo17, TRD16, WHX08, Wan18, Yun98, Zha16a, ZW14].

Jordan* [LLF14].

Jordan-multiplicative [AGAG96].

K. [Mer79b].

Kac [Mar00].

Kakutani [Esh17].

Kantor [EKO14].

Kantorovich [MP94, MP95, Zha01b].

Karcher [FS15].

Kato [Zcc17].

Kazhdan [RS10].

Kellogg [Ano79b].

Kernel [BR04, LM85].

Kernels [LLWX17, CI17a, Hun86, Jö15].

Khinchin [Z11].

kinds

L [Mag83, YW16]. L-structured [Mag83, YW16]. labelings [KT95].

Lagrange [Jon78]. Lagrangian [MMRR09, PT10]. Laguerre [ASAS79].

Laplacian
[AA14, JM85b, AH16a, Ash16, AOTR11, BKP01, Bar08, BLP08, BW16, But0b, CP15, CL17c, Con90, Das04, DP17, DK17, FTZ08, FLZ07, FYIS13, FHT14, GHL10, GM90, GZ90, Guo07, GMS16, HMO11, HLP03, HUZ17, HHW15, Kir04, KADM10, LP07, LP00, LLF08, LZ11b, LC14, LPWX10, LL15, LZ15b, LL10b, LPH17, LDL17, MH16, Mer97, NP09, PLH01, PGLM00, Rod02, Rod03, SYZL17, HS17, So99, TJ11, Tan12, Vrb08, WSH+11, WH11, WZ13, WBZ14, WW15, Wat09, XZ14, ZLS11, ZZ15, ZG08, ZW17a].

Laplacian-like [Tan12]. Laplacians [Fie95, Lee98, Lor00, Mer95]. Large [GZ90, Lo01, Mer97, NW02, Din15a, KME012, Pat03b, dSP16b, Sol14].

largest [AAT17, Bel15, BW16, Bén11, CR90, Das04, DdF15, Guo07, LP00, XZ17, Sim95, Sta10, Wal11, XZ16].

Least [KMS02].

Lattice [CQL15, BV92, CY12, JS94, RW84, YW10]. lattices [GT14, Ger04, Ye11].
CCGO11, CV94, CW11b, CX12, CW12, CWSZ17, Che03a, Chu84a, CPT15, DH18, Dol07, FD17, Far93b, FZ17, GS95, Gra10, HH16, Hou17, JZ12, JQS13, JL12, KK75, Lee94, LCL13, LW11a, LF13, LWXF15, LL10a, LL11, LZ12, LZ13, Liu16a, LV13, Luk74, MC17, MT11, MHA17, Mon04, Nir11, OWX09, QH11, QL15, Rom89, SV14, STME10, SX15, Sp04, ST99, ST97b, Tan18b, W0Y06, WOW09, WY11, WL16a, Wan16c, WL16b, WJ16, Wan16d, XW12, XWF15, YD14, YZ13, YWO07, Zha15c, ZL15.

Lie-theoretic [Mon04]. Lie-type [MHA17]. Lieb [Pat96]. like [BD14, KM17, Tan12, Zha97]. Limit [Ger86, Cam78, Har84b, Kat75, LYZW12, Rei83, Tos79]. Limiting [Sie99, LN14]. limits [Geh15]. Lindström [LN80]. Line [GW08, HJ77, HT91b, WBZ14, ZB13]. Lineability [BMP10]. linéaires [Del94]. Linear [AS17, ASZ02, Bea78, BP89, BP90, BP92, BL93a, BL01, BBS89, Bot79, Bot87, CL83, CL92, CL95, CLN13, CLMR09, Coe96, DGJ+16, FHLS13, FHL+14, Hof75, Hua96, HW75, HKS94, JS94, JS84, Jam81, JP86, JLR+92, KP92, LL10a, Lau81, Lev74, Li87c, LT88c, LT88b, LT90b, LT90a, LT90c, LT93, LM93, LP93, LMR94b, LSS01, LZ01, LM03, LS04, Lim76a, Lim79a, Lim82, Lim90a, Lim90b, Lim97, Lim01, Loe93a, Loe93b, Lor14, Luk74, MFI17, MF79, MC80, MS09, Min77, Mol09, Prz92, RK94, Sin82a, SA14, SB03, Wat82, Ws74, Whi74, Zha05, ZXF15, ZW14, Abdo9, AC13, Ahn15, AFM13, Ami11, Ano92g, AW83, BB06, Bar07, BS16, BS17c, BGDH92, BT08b, BLZ10, BR10, Ben78, BCM18, BZ10, BMGMC16, BF06, BBS12, Cam83, CW90, CL91, CS10]. linear [CKLP13, Che93b, CW12, CWSZ17, CL05, CKL16, Chu84b, CPT15, CF15, DM17, DPP17, DHH6, Del94, Den14, Din00, Doo16, Dra18a, Dre93, EL09, E015, FK91, FW73, For87, Fos05b, F08w, FH15a, GP06, GL85, G89b, Gur98, HK16a, Had83, HR85, Hla17, HH16, Hua16, Hum83, Hum86, ISCS11, INO15, IKR12, Juhl11, KP11, Kas85, Knu85, KT83, KKR12, Kov77, Kun99, Leh76, LCL13, LT88a, LT92b, LT92c, LT92d, LM96, LLF14, LF16, LZ16, LD17, Lia10, LLWX17, Lim10, Lim15, Lip96, LWB11a, Mag83, MM06, Mar97, MR12, MHA17, MID17, Ma’15b, McD92a, MN96, MS98, Ne98, ND13, NT91, New80b, Nie07, Pan13, Pap13, Pat77, Patt83, PU015, PW78, Pie79, Pop17, Rai14a, Rai14b, RJ04, Roh91a, SXR18, ST86, SSZ93, Sin83, Sla16, Sl01a, SPK15, St087, ST97b, TRD16]. linear-algebraic [Bar07]. linearisations [Ves80]. linearity [GR14, Rom07]. linearizations [Adh13, BD14]. Linearizing [Chi78]. Linearly [Mer78b, Rus16, Koh11, Pat83]. lines [SZ85]. Liouville [GMZ17]. Lipschitz [RP04]. List [Ano12b]. listing [Mum86b]. lists [Wil73]. Literature [KS17b]. little [Kra87]. Littlewood [AW13, AM90, BG90, Wat86]. LMI [Fil07a, Fil11]. Load [Kir14]. Local [Ben74, Bun94, CFP10, Gal79, HSM17, Liu16a, ZL17, BDS13, BJS15, BM15c,
Mathieu [dB16]. matric [PM78]. matrical [AK94]. Matrices
[AY74, BKL02, BL93b, BS04, BT98, Bru79a, Bru82, BF75, CLX03, CA03, CD03, Cra09, De 82a, Dom95, EMS02, Gib92, GN02, Gra87, GK77, HS83a, JR93a, Joh81a, JL90, JL93, JT95, JT04, JP07, Kap77, KMS02, Lev74, LP02, MS74, Min74d, Nab98, New80b, Peñ02, RR04, Rao81, Ric81, Ric85, Ric87a, Rob77a, ST73, Sin76b, SHC02, SJ02, SK03, SB03, Stu89, Tau74, Zab89, Zab90, Zha04b, dO75, AC15, Ach77, AS95, AG16, AAK16, AAB17, AAT16, AAJ12a, AJL14, AJP12b, AW07, Alp95, AST05, Ami80, AMZ13, AEdF13a, AEdF13b, AO78, AB78, And80b, AD17, Ang09, AG96, Arm17, Aue95, Aue98, ALP94, Aze99, BS15a, BHC16, BJS98, BB06, BT08a, BT10, BG86, Bll77, Bal79c, BL83, BDK09, BS91, BPS00, BCN05, BK17]. matrices
[BZ90, BZ99, Bar74, Bar80, BG83, BOvdD91, BH90, BT90, BHK78, Bea78, Bea85, BL93a, BL97, BL01, BS16, BS17b, BS17c, BPS88, BLD91, BL92, BP98b, BDS13, Ben74, BH74, BB75, BT06, BLZ10, BL13, BSÜ13, BBM15, Ben05, Ben07, Ben78, BGV11, Ber17, Ber12, BB15b, BP74, BS97, BSM98, BX07, BDK05, Ber05, BZ99, dAB17, BD85, BH15a, BS17e, BLSV12, Bo01, BR01, Bot94, Bot96, Bot97, BB96, BB17c, Bou13a, Boz98a, Boz98b, Boz99, BT15, Bra86, BC17, BD13a, BCKP10, Bru85, BS08, BD13b, Bru79b, BK87, BZZ10, BSZW13, BM16, Bur95, But10b, CC17a, CM92, Cal97, Cal99, CP13, CYS16, CGY13, CK17, CP97, CdM15, CL92, CCM98, Cha83b, Cha84a, Cha88, CGW14, Che92, CKN95, Che07, CW10, CW11a, CZY12, CP16, CW16]. matrices
[CTW15, CT96, CL14, CHe17, CL05, CNP05, CNP06, CN08, CLNT17, CL13, CKL16, CL01, CKP09, Coe96, CR77, Cos14, Crai91, CL74, CGH14, CLPH17, CIP18, DPP17, De 90, De 75, Dec95, DTS14, DD10, DCIW10, DHH95, Din15a, Do 96, Dod13, DL92, Dok93, Dok17, Dol07, Dom14, DGG16, DJL94, Dru15, DfD15, Di97, ERS12, ELG88, EL90, Els78, ER81, EJR88, ES98a, ES98b, ES00, ES76a, EV77, EM73, Est80, FL16a, Fa97, FV97, FJL00, FX12, Fan73, Fan92, FW07, Far17, FJ15, FWZ11, Fen10, FdF09, Fer10b, FS83, Fic90b, FP17, Fit94, Fla75, For79a, For79b, FS86, For88, For79d, Fos0a, FHL14, Fra13, Fra17, Fre76, FH89, FM78, Fri84, FLS88, Fri12, FL16b, FS15, FSY16, FIS06, FS89, Gai77, GPM98, GA18, Gar85].
matrices
[GWW15, Geh15, GJR97, GKS01, Ger86, GPM14, GV95, Gib76, CZ99, Gil14, Gil17, GKL982, GZ76, GTH75, Gol87, Gol92, GR98, GR10, GR93c, Gro97, Gro99, GLP92, GP96, Gro17, GTH11, GHK16, GLH16, Gur79, Gur92, Gyl78, Ha88, HC14, HK79, Hal91, HI17, HZ11, Har87, Har78b, HS83b, HS83c, HMAD13, HINS10, Hau12, HDJT97, HWZ18, HR85, Her83, HS88, HS93b, HSN99, HS12, HIL17, HKO16, Hol85, HH85, Hon99, HJ87, HZ12, HM76, HM77, HM78, Hsi78, HLZ05, HH14, Hua01, HW06, Hua08, Hua10, HLZ11, HK17, Hwa85, Hwa91, HK92, HS93c, HSK94, HMR95, HSK95, Ibr00, IS15, IS16, Ito16, JGK79, JGS90, JS96, JR93b, JM13, JTW17, JK10, Joh73, Joh74a, Joh77a, Joh74b, Joh77b, Joh81b, Joh82b, Jr84, JP86, JP87, JSE90, JKS94, JWP98]. matrices
[JS99, JR09, JO14b, JTW00, KS16, Kan87, KS12, KS15, KS14a,
KMS16, KLZ10, KP14a, Kim97, KS09, Kim13, Kim91, Kir91, KP92, KS93, Kir93, Kir04, Kir09, Kir11, KM11, KS76, KS82, Kob06, KNX93, KH05, KE82, Koz17, KS83, KS84, KM98, KS17b, Kuz05, LR17, Luf78, Luf83, LL16a, Lau81, Lee91, Lei95a, Lei93c, Lew77, Lew97, Li86, Li87a, Li87c, LT88c, LT88d, LST89, LT90b, LT90a, LT93, LM93, Li95, LSOvdD95, LEH96, Li98, LŚS01, LPS08, LLZ13, LL14a, LLL15, fLLyP15, LZ16, LLGL16, LMLL17, LM95, LL09, IlpW16, Lim79a, LT14, Lim15, LT12b, LW12, LZ17a, LMMR01a, LMMR01b, Lit17, Liu92, LB99, LWY11, LWB11a, LWB11b, LL78, Loe87, Loe01, Lon80, Lon81, Lon83, LSZ86, LM89, Lon90, LR89, Lop11b, Lop18, MM11, MVS14, Mag83, MN80, Mal82, MM90, Mal91, Mal94]. matrices [MRT16, Man92, MHH96, MZ04, MS79, MKS84a, MS89, MR13, MR15, MS04, MR07, Mas10, MH12, MP90, Mcc85, McD92b, McF79b, MS10b, Mee80, MMRR09, MMRR16, Meh84, MO93, Mel12, MV91, Mer94, Mer98b, Mes90, Mes13, Mia93a, Min74b, Min74a, Min75, Min77, Min82a, Min84, Min92, MS12, Mis17, MS10c, MMG15, Moh16b, Moh15, MP16b, MS98, Mol09, Mol15, Moo76, Mou04, Mou13, MAM15, MA15c, Mur89, ND05, ND13, NS99, Neu79, NP80, Neu84, NST91, NS92, NS93, New74, New75, NT86, Nie14, Nie10, Nof15, Nom73, NP91, NTU93, OP13, Oml14, OK07, Pat92, dSP12, dSP16a, dSP17, PUÖ15, Pet09, Pet00, Phu80, Pif87, Piz87, Pok87, PTS87, Pop14, Pu75, QRK92, RRR93, Rau18, Rea96, RW96, RR95, Ro87, Rh90, RS74, Ric78, Ric87b, RD12]. matrices [Rob75, Rod97, Rob91b, Rys73, ST94, SS79, SU77, Šem97, Sen83, SM94, SMBB+15, Sha91, SG96, Shi15b, Sil88a, Sil88c, Sil88b, Sil90, Sil93, Sil95, Sil98, Sil99, SP87, Sin90, SAV01, Sin73, Sin76a, Sin77, Sin80, Sin82a, Sin82b, Sin84a, Sin93, Ska17, Slo13a, Slo14b, Slo15b, Slo15a, Slo16a, Slo16b, Smi05, Smi76, Smi94, SH98, ST91, STZ94, Sol06, Sol14, Sou83, Sou03, Sou86, Sou92, Sta15a, Sul08, SH92, SWZB15, SK15a, SK15b, SvW14, TD14, Tal17, Tam86, Tam94, TT12, Tan10, TLL11, Tan13a, Tan14, TLC16, TG09, Tau81, Tho74, Tho75a, Tho75b, Tho86, Tho87a, Tho88, Tia01, TS05, Tia05a, Tia05b, TT06, Tia11a, Tia11c, TL12, TJ16, Tia18, Til77, Til98, Tis93, Ton87, Tra89, Tra90, Tre85, Tre86, Tre87, TGW14, TM0vdD93, UÖÖ15]. matrices [UPÖ16, Uhl79, Uhl14, Vas87, VM07, Wad90, Wal73, Wal75b, Wal86, Wan76, Wan79, Wan80, WZ95, WOY06, WZC11, WYM11, WZL13, IWpW14, IWW15, Wan16a, WC16, Wan17a, WL18a, Wan05, Wat84b, Wat85a, Wat85b, Wat77, Wat82, Web83, Wes87, Wim85, Wim88, Woe93, WM84, Wu09, XCC99, XQZ13, Xu93, XXZ11, XL11, Xu15, XPY16, XL17, YLS10, You80, YBCW96, Yu96, YW16, Z16, Zel85, Zel75, Zha00, Zha01a, Zha89, ZS05, Zha05, Zha14a, ZZZ16, ZFSX17, ZZW10, ZHZ11, Zha14b, ZHX15, Zho16, ZBW12, ZW14, Zim89, Zou12, cc85, dF13, dPN81, vBW95, vR11, KNX95]. matrices-nonsingularity [ES98b]. Matricial [Far93a, MRS10, CH12]. matrices [DDJ76, HK80, NU94]. Matrix [AMP02, AP04, Afl73, AP74, And04, jAS15, AW13, AM90, BD94, Bom02, BC94, Che93a, Dat80, Der16, DS02a, DS04, EMS02, Fan92, Fla74a, Foa79, Gal03, Gil12, GMR81, Har95, JT03, Leh91, LT92d, LM96, LP03, Mir81,
OW02, Pat03a, PT02, PY82, Rum97, Sin81a, Tho78, Tia02, Tia03, Tur02, Wei98, Zha04b, Zha04a, AAB15, AdFK15, AG15, An079b, An079c, AY95, Aud15, BK83, Bak84, BB06, BCR91, BJ75, BY76, Bap97, BGD99, BGK00, BKP01, BS11, BR14, BWF83, Bas17, BC82, Bea83a, Bea83b, BC85, BD88, BS17d, BGdH92, Bk83, Ben09, Bén11, BT08b, BT07, Bot94, Bou13b, Bou14a, Bou14b, BHK10, Boz97, Bra86, BS17, BC91, BF15, BZZ10, Bun91, BSS12, Caf13, Cal95a, Cam78].

matrix [CKP16, CL80, CJ97, Cav10, Che92, CH12, CLW15, Che91, CCL10, CT09, CNP05, CN07, CN14, CM85, Cho10, Coh88, Con90, CC98, CICX09, CIP17, DPW13, DH86, DW92, Dec74, DTSI15, DHI11, Deu80, DHT94, DS09, Dok73, Dok90, Dom00, DJ89b, DWL13, DLW14, EM95, EF98, ER90, EOvdD09a, EGT16, EOvdD09b, EB17, FZ11, FT08, FHW16, Fei79, Fie81, FLR85, FSvW11, FKK711, Fri97, FHB15, FSY16, GAG18, GHL10, GIL93, GL78, GLR82, GRSW92, Gs89, Gcs17, GB90, Gs80, GHV99, Gre99, GPK94, Gro96, GJMW86, GT14, GT79, Gus81, GHT16, Ha89, HK16a, HL09, HZ11, Har81a, Har94, Har96, HP90a, HP90b, HKT15, Hav88, HBI73, HW13, HW14, HW15, HS81, HS88, HS89, HS91, Hia94, HS87, HWM91, HS16, How83, HT10]. matrix [HXL16, HLPW17, HWS13, Hul81, HPV84, HPV88, Ikr15a, IH11, Iov15, INO15, JPA15, JD16, Joh77a, JK719, JovD84, JovD85, JD99, JS08, KMR889, KS16, KS85, Kar83, Kat75, KM17, KFR17, KL12, KOvD10, KS07, KLPK17, Kov77, Kras10, KMS07, KML95, KLM96, KK16, Kur04, Kyr08, LAF80, LAF84, LRR87, Lás91, LZ09, Lee15, Lei93a, LRT91, LR96, Lew96, Li84, LT88a, LT91, LP93, LP00, LLS10, LZ11b, fLLyP15, fLL17, LPWX10, LWXF15, LW11b, LQ95, Lip96, Lip98, Lip87, LW08, LT10, LTT11, Liv94, LMR00, Lop11a, MJ07, MS10a, MDW11, MW16, Mag83, Mai11, MSS3, MS85, MRT14, MK84b, Mar89, MR97, MP98, MS89, Mat90, Mat92, MP87b, McD92a, MS81, Mel13b, MK16, Mer74, Mer79a, Mer82, Mer83a, Mer89, MP94, MP95, Moo95, NTT95, Ned98, Neu83, NP80]. matrix [Neo1, NP73, New76b, New78, Nov15, NT94, Obl12, Ovd77, Pal79, Pat82, Pat03b, Pea84, Pea15, PW78, PM81, PM85, Pre85, PV00, PH97, QD85, RS07, RS18, RR91, RS10, RP04, Roh06, Ron98, Rys75, Sal79, Sal12, Sal14, SA07, SQA99, SMM14, Sch77, ST80, SLUG04, Shi15a, SpW17, Siv06a, Siv06b, Slo14a, Slo17, ST96, SO00, SBMP16, St15a, Ste94a, Ste94b, SX12, TD16, TZ06, TIZ71, Tau73a, Tau81, TB01, Tho87b, Tho89, Tho92b, Tia00, TC04, TS05, Tia10, Tia11b, Tins17, Tik95, Tis79, Tra84, TSY82, Uhl13, Vas86, Vrb86, Wal11, Wal75a, WZ97, WHX08, WH12, WZH13a, WZH13b, Wat83, Wat90, Wea83, WW12, yZ11, YSY17, Yq1516, YL11, YLW15, YW16, YZ17, bPFZH08, Zha04c, ZC12, Zha15a, Zha16b, ZX10, ZW10, ZW14, ZW17a, ZW17b, dB14a]. matrix [dOMD77, dB00]. Matrix-analog [Foa79]. matrix-subadditive [Tik98]. matrix-tree [Mer89]. Matrix-valued [Tur02, Gil93, Tia17]. matrix-weighted [SMM14]. Matrizen [SU77]. matroid [Dia90a, Kas85, Mum86a, Mum86b, Mum86c]. matroids [BVW84, Mum86a, Mum86c]. Max [SK03, BPS00, BSS12, ISCS11,
KS15, LL14b, Mer94, Moh15, Shi16, Tia18, lWpW14, ZBW16. max-algebra
[BSS12]. max-cuts [Mer94]. max-min [Moh15, Shi16]. max-plus
[lWpW14]. max-relative [ZBW16]. Maxima [YGW15]. Maximal
[Bal79b, INO15, Yiz03, GF10, HKS94, HKS95, JLL07, KMN01, KS17a,
Oml14, UZ16, WL16a, Wes80]. Maximality [Fri85]. maximally
[Ano16c, Ous15b]. maximization [DJ89a]. Maximizing
[CL14, FKP03, FTZ08, LP07, Pat67, WH11, GJMFW86, Hu94, Sha94].
Maximum [FV97, B9J, BP90, CGGO11, Cha88, DJ89b, JD99, JS09,
MM11, Mac95, Ma86, Mer80, Sin83, zSzS16, Wan79, Zha05]. Mean [MS81,
Al96a, BP12, CW10, Draj8a, EJD88, FP17, FS15, LS17, Win85, vBW95].
means [FH15b, FSY16, GHT11, KK16, PSMA16, Rai14a, Rei14b, ST94,
Tra84, Web83]. Measurable [Sim83, Han17]. measurement [CP16].
measures [BPR14, Joh11]. meet [Ilm16, KH05, MH12, WHL16].
meet-semilattices [WHL16]. meets [IH11]. Mehta
[DJ89a]. memory [Uhl99]. Menus [HW88]. merge [CW91]. Merris
[Pat93]. metabelian
[AM15, Mil15]. method [Cha90, Gin89, KN81, LZ16, Neu84, WL16c].
methods [ALP94, Cro18, KM17, LW17, LW10]. Metric
[AEV12, Rod02, BdPN14, Tho78]. mimetic [CG17]. min
[ICS11, LL14b, Moh15, Shi16, Tia18]. min-max [ICS11, LL14b]. Minc
[Cha83a, Els78, For79, Jia92, Kra87, Ma89, Mar03, Pul75, Sol00, Wan77,
Wan07]. Minimal [Cal03, Cha79a, CC98b, DB14b, EV77, Fee81, HMAD13,
Lop18, MZ17, NS09, Nat13, SG06, WL16b, Woe93, BX07, BM14, BZ89,
BJZ13, BD14, Cal94, Cal97, Cal99, CKP16, Cha77, Dia90b, Dok03,
DM092, GV95, GMDS85, JS16, Ku95, LC14, Lip98, Loe73, Lop11a, OvdD77,
RY93, TL13, Tsi83, Wer94, WW80, ZG11, Zha13]. minimally [SSG12]. Minimax
[GL85, Ko87, CM84, Fie90b, Zim98]. minimax-condition [Zim98].
Minimization [HS93c, SP14, F13, fLLyP15, Pap13]. Minimizing
[FLZ07, FS86]. Minimum [Bur95, Cha84a, Cha88, Hwa85, JW91, KS82,
LSOvdD05, Min84, SHC02, SJ02, Tia02, BHH11, DH91, GZ18, Hou01,
LLZ13, LG13, LT13, MS16a, NS15, Zha05, Zho16, dF13]. Minkowski
[Mer78a, Mia93a]. Minor [IW95, Wil87]. minors [BI95, BF75, For79b,
Ho184, HO17, INO15, JOvdD84, Mia93b, RS10, San14, Sin77]. Minus
[BMGMC16, KMS16, NS09, NS93]. Miranda [Li84]. Mirman [GS77].
miscellaneous [BLP92]. mixed [JAS15, BGK99, Fan05, GPM14, GV87,
JN14b, LFY16, MM15, Mur89, XQ15]. mixed-type [LFY16, XQ15].
mixing [AS11b]. Mn [Leg06]. mod [HH14, Sma17]. model [Sei79]. models
[TJ16]. modified [BS17d, CICX09, ER81, Gei78]. modular
[CL14, CN15, Reg93]. Module [BWLL12, How86, Lee94, Wis12]. Modules
[ALEPM18, Gar65a, MID17, AC78, AR15, AB17, Ber86, aCC17, D879,
DK10, GR93a, GMZ11, KW92, KW93, MS08, Ma195, MR10, Pat95, PA94,
Raj09, Son14, Tan13b, TOM88, ZY08, dB10]. modulo [GP06, MP13a].
Modulus [HNS99, L16]. modulus-based [LZ16]. moment
[ACJ17, BS15b]. monic [Coh88]. mono [KY17]. mono-weakly [KY17]. monogamy
[Aud15]. monogenic [CF15]. monoid [Put82a, Put82b].
monomial [Fri85, Yuz84]. Monotone
[Bar76, BGV11, Gue17, HOT15, Mat90, PSMA16]. monotonic
[Gol89, Mar92, SH98]. Monotonicity [AAJ12b, FM78, Gol92, BJ93, BS17e, ES76a, JGS90, LRR87, Mal91, Pat96, Sin80, VM07]. monotonicity [Wer87].
Montgomery [DF82]. Moody [Mar00]. Moon [LN16]. Moore
[Bap97, Bom02, BGZW16, CFGM06, DD10, DW12a, Fie95, Gro99, HPV84, HPV88, JGK79, KMRS89, KR07, Kyr11, Li11, MZ15, PA10, Siv06b, SZBW16, SPS15, TC04, Tia05a, YZ14, Zha04b, ZFSX17]. Moore-type
[CFGM06]. Morita [BDvW12]. Morphisms [Har84a]. Moser [LN16]. most
BL12, LZ15b, TWZ16, YHS13, tHK17. Moyls [ST80]. completely
[SMBB15]. MPW [Bea83a, Bea83b, Bea84, Mer82]. MSMAOR [WL16c]. M¨uhlbach [dC13]. Mullin [FW73, Gar73]. Multi [LLL09]. Multi-
[Ano79b, Ano16b, Ano16c, HFS15, MT84, TT78, Whi74, Whi75, Whi79, ADRP14, AP17, BT17, Cam14, De 82b, Heo16, Hor04, How80, Lim00, Oge94, Pam87, Pat83, Pat17, PR12, PSS15, Pie74, RSPT17, SDL10, WW01, Wit11]. Multilinearity
[Fon92, DF87, Fon89, LC83]. multipartite [KS93].
Multiple
[HH14, Cam14, HZXL15, JS08, JSW09, LW08, Rad16, RSPT17, ZX10].
multiples [GKLR82, Tho86a]. Multiplication
[Bre12b, De 75, MO94]. multiplications [BN04, Tur16].
Multiplicative
[BD12, BC82, Che03b, Ger74, LR04, QZ16, AGAG96, Est80, HIl17, MID17, MZ15, Poo17, QH11, YZ14, ZFSX17]. Multiplicativity
[New94, Pro95]. multiplicities [Da 05, Uhl99]. multiplicity
[JD99, JLS09, JLD12, Yu14]. multipliers [JK10, Liv94, SA17].
multivalued [AFM13]. multivariable [MRR07]. Multivariate
[Par78, SK15b, ZL17]. multiwavelet [CJ12]. multilinear [Mer92].
multilinear
[CP16].

[GH16]. naturally [CCGO11]. Nearest [Rum97]. Nearby
[BB15, Kim13, GSS09, Har87, Sha91]. Necessary
[Ge17, HB83, PH03, SQ15, AW07, Wan82]. negative
[Ano79b, BGGS17, ELG88, GR14, GP96, JKS79, Joz15, Kan94, KS17a, Koz17, Pul75, Rau18, RS74, Rout98, Shi15a, Sni74]. negativity
[Aud15, HS12]. neighborhood [CSCH01, Sin81b]. neighbourhood [LZ14b].
neighbourhoods [GH99]. Nekrasov [LLGL16]. NEPS [Ste05]. nest
[BHD10, BHD11, JQ15, LF13, Liu16b]. nested [MRT12]. network
[CW91, FHZ17, Li85]. networks [CMM17]. Neuberger [Dok75, Pat08]. Neumann
Nevanlinna [CH12]. Newcomb [Raw81]. Newman [Lei83]. Newton
Nilpotent [OR09, Sou92, BL10, BV92, Bot94, BC17, CR15, CN14, Fur08, GW12, LCL14, MO93, Nir11, Obl12, OWX09, Ric78, Rom89, Smi76, Sul08, ST97b, Wan79, YD14, YBCW96, Yu96]. nilpotents [Rob77a]. nilradical [CLOK13, KLO14]. nilspaces [Oml14]. no [TT78]. node [lWpW14].


Nonlinear [BBEL18, BH13, CW16, CW12, CW16, FZ17, HXL16, JLC12, Wan17a, XW12, Zha16a, BH16, DWL14, MK16, SLUG04]. Nonnegative [Bak84, BN88, Che92, DS16, JGK79, JT03, Lew77, Shi15a, SB03, Zha04c, AAJ12a, BS92, BS17c, BP74, BC94, BSS12, CP81, Cro18, DJ98, DJS98, Els78, EJD88, FW07, FJ15, FLS88, Gar85, HJP17, Har94, Hav88, HK92, JS84, JGS90, Jol75a, JP17, JMP17, JMS15, KSB16, Kir11, KN93, KN95, LEH96, LZ17a, LL78, Mel13b, MV91, MS12, NST91, Rea96, Rod81, Roh06, Smi05, Sou83, Sou03, SZWB15, SP15, VM17, Wi18, Wu93, YSY17, vBW95]. Nonnegative-definite [Zha04c]. Nonnegatively [LS10]. nonnegativity [HRT15]. nonperiodic [CKN95]. nonpositive [FJ15]. nonpowerful [GS09, SSG12, YMYS13]. nonprincipal [Lee87]. nonreal [EJ91, Esc93]. nonregular [Gil12]. nonrelation [Tho88]. nonsignificant [FJS14]. Nonsingular

[CW10, TD14]. **Norm**

[Du10, Fla74b, FSY16, Joh14, Neu74, Sed04, SA10, AA12, BJZ13, Bou06, CL17a, DM87, FH73, Gar75a, Gil93, Gil17, Han17, Hia94, HM78, Joh77a, JLL88, JN90a, JN92, KL95, LTT84, Lon83, LSZ86, MO94, Oku91, Oku93, Pat09, Pre85, Roh00, ST73, YSK15, YL11, ZFSX17, Zou12]. **Normal**

[AP04, BD94, Far94, GW04, JMS15, KL15, LMMR01a, New94, Arm17, AY95, BT08a, BK17, BD88, Cha96, CN05, Der83, Epk89b, Epk89a, FX12, GR91, GR93b, GRMA13, Hua90, IH11, KL508, Kune99, Li98, LMMR01b, MRT16, MV75, McC89, MZ91, NTU93, Pro95, QK92, Rad12, STZ94, SP15, Woe97, Xr93]. **normal-preserving** [Kun99]. **Normality**

[Ikr15a, Kit91a, LST89, Man92, WZ95]. **Normalized**

[AP04, BD94, Far94, GW04, JMS15, KL15, LMMR01a, New94, Arm17, AY95, BT08a, BK17, BD88, Cha96, CN05, Der83, Epk89b, Epk89a, FX12, GR91, GR93b, GRMA13, Hua90, IH11, KL508, Kune99, Li98, LMMR01b, MRT16, MV75, McC89, MZ91, NTU93, Pro95, QK92, Rad12, STZ94, SP15, Woe97, Xr93]. **Normalized**

[AP04, BD94, Far94, GW04, JMS15, KL15, LMMR01a, New94, Arm17, AY95, BT08a, BK17, BD88, Cha96, CN05, Der83, Epk89b, Epk89a, FX12, GR91, GR93b, GRMA13, Hua90, IH11, KL508, Kune99, Li98, LMMR01b, MRT16, MV75, McC89, MZ91, NTU93, Pro95, QK92, Rad12, STZ94, SP15, Woe97, Xr93]. **Normalizers**

[AP04, BD94, Far94, GW04, JMS15, KL15, LMMR01a, New94, Arm17, AY95, BT08a, BK17, BD88, Cha96, CN05, Der83, Epk89b, Epk89a, FX12, GR91, GR93b, GRMA13, Hua90, IH11, KL508, Kune99, Li98, LMMR01b, MRT16, MV75, McC89, MZ91, NTU93, Pro95, QK92, Rad12, STZ94, SP15, Woe97, Xr93]. **Norm**

[BKL02, HWL92, LT89b, OW02, So90, AGAG96, AG96, Bar76, Boz98a, Boz98b, Boz99, CW11a, CM15, Gol87, Gro17, Hem93, HJ87, HNM91, JLL88, JN00, LT87, LT89a, LT90b, LT90c, Li91, LT92c, LLW07, LPT11, MS83, MOS83, MKS84b, MC89, Mar92, MM07, Mer78a, Mer81, OvdD77, Que08, Rh094, RSPT17, SAV01, Sol06, TD14, Td17, Wan17b, ZHH09]. **notation** [Car06]. **Note** [Ano73, Ano82d, Ano83k, Ano84d, DSD83, DS02a, HHC12, Lau81, LLpW16, Mar82a, Mir81, Sam78, Tan85, ABJ16, Ano82e, Ano83l, ACS10, AOTR11, Bap91, BOvdD91, Bar12, Ben90, BZ00, dAB17, BH15a, But10b, Cha83a, Cha84b, CTW15, CKL16, Da 05, Da 88, Diu97, Els78, For79b, Fri12, Gol89, GJMW86, Gum15, Gur79, Gur92, Har78b, Har81b, HWY17, Hug90, JS96, Jon92, KP11, KT95, KJ13, KKR12, LHP75, LN80, LS4, LP00, LPWX10, Lim79b, Lim15, LGB17, LL78, Mal89, Mal92, MS89, MR13, MM09, Min82b, Moo76, Mos15, MAM15, New78, OvdD77, dSP17, Pri78, Pul75, RR95, San14, SP87, TXC08, TT78, Til98, Uhl82, Vin06, WfMR16, Wan18, mWyD11, Wei93, WL16c, XQ16b, YZ14, Zha16b, vBW95]. **Notes** [Ami11, Cha83b, Joh75a, Wan16d, Zha89, Mar92, Sim95]. **notification** [MS12]. **notions** [Hou09]. **Nowhere** [AGM13]. **Nowhere-zero** [AGM13]. **NP** [Roh00]. **NP-hard** [Roh00]. **NSSD** [FS18]. **null** [BT13, Bea85, CLOK13, KLO14]. **null-filiform** [CLOK13, KLO14]. **nullity** [FDD14, MW15, zSqSZ16, WL18b]. **nullspace** [BC94]. **Nullspaces** [TM0vdD93]. **Number** [NW02, AEdF13a, AEdF13b, AYC93, BC05, BS16, Ben74, BT15, Cha96, Dat80, DH16, DdF15, Epk89a, FS14, FLZ07, Kiro0, KK90, KS17a, LLW+11, LT12a, LC14, LZZ17, LL15, Mau78, MP13b, Ota13, Pat83, PGLM00, Rem82, RW84, SYZL17, SS96, SMS15, WL18b, ZZ15]. **numbers** [EB17, FW07, Fer09, Haw05, Hou09, HLZ05, LL17, Ost74, TB01, Wu09]. **Numerical** [AMP02, BDK09, BB15a, BD94, BdP98, BLdPS04, Ber02, BM17b, BS04, CW17, CN04, CN14, CL00, DTSH15, ERS12, Far02, GW98b, GW04, GW15, Joh75b, LN98, LS02, LS04, LR04, MM07, Sed04, haYsS99, AS11a, AAK16, AYT83, AY84, AY95, AyT84, ALP94, Bal80, BD88, BL91, BL92, BD96, BdP12, BdPN14, Cha92, Cha93a, CC14, CGW14, CL17b,
Che94, CL94, CT96, CT09, CL13, Che14b, CL14, Che16, Che17, CM15, Chi98, CNP05, CN05, CNP06, CN07, CN08, Chi11, CN15, CGL+16, CH10, CGHK08, CKP09, CLMR09, Cro08, Da 94, DHKSH08, DM14, EDKA07, EM15, FT87, Far93a, FNBR06, FHL+14, FL16b, GW08, GW12, GWW16, GTZ75, Go179, Hu89, HT91a, HT91b, Hug90, JLL07, JL88, JSG94, Jon92, JNBR93, JR93c, JR94, KL+09, KP14b, LLS14, LLS16, Lei91, Lei92].

**Numerical** [LT92a, Lei93a, Lei93b, Lei95b, Lei95a, Lei98, LTT84, Li87c, LT88a, LT88c, LT88b, LT91, LT92c, LMR94a, Li94, Li96, Li98, LSS01, LZ01, LPS09, LT09, LPT11, LP16, Man87, Man91, Man92, Mar75, MF79, MS79, MW80, MS82b, MS85b, MP87a, MS87, MR97, MP98, MM09, MS15b, MS16b, NNT95, Oku93, Poo94, PV00, Rod08, RS80b, SA07, ShDHG08, ST80, STZ94, ST96, Spi00, Sza09, Tam85, vT86, Tam88, Tam94, Tam98, yT00, Tho80, Tho87b, TGW14, Tsi83, Tsi81, WZD16, Wes75, Woe08, WC12, Yua98, bPFZH08, ZHH09, vD96].

**Objects** [NW02, LN10]. **Oblique** [BT13, GT98, Gro99]. **Observations** [Egg95, Sma17]. **Obstructions** [Kar90]. **Occurring** [JWP98]. **Odd** [AM13, SSfW15]. **Odd-Bipartite** [SSfW15]. **Off** [DHS95, WC12, Zab89].

**Off-Diagonal** [DHS95, WC12, Zab89]. **Olga** [Sch77]. **Oliveira** [BMD87, GLS13]. **One** [Bre17, Cha84a, BHD10, BLP08, Ben90, Bén11, dAB17, Bot87, BM16, Cho10, CL01, DH16, Ell95, Esc93, Gur79, KS82, LL16a, Lim90a, LZ15b, MMR16, Shi15a, So99, SKP18, SH92, WL18a, Wat85b, ZS05]. **One-Parameter** [Bre17]. **Ones** [HLZ05, Liu92, Wan05, Wu09]. **Only** [MO91]. **Open** [dF11, dF13]. **Operads** [Bre17, BS017]. **Opérateurs** [Del94]. **Operation** [Bre14]. **Operational** [Rom82]. **Operations** [Bre14].

**Operator** [Cl15, Joh11, LZ15a, MN04, Zha14a]. **Operator** [CW11a, DH03, Far02, Gus94, MS02, RS85, Tal17, WZ14, YSK15, AAP82, All14, AXH15, AO97, Anj17, BHC16, Balance, BD90, BJS15, BD84, BH16, Bou13a, CL91, CDJ13, Che14a, CL17b, CNUV16, CIP17, CIP18, DD10, DCW10, DV18, DD12, FJS14, FH15a, FJK98, HC14, HS81, HOT15, Ikr15a, JX13, KS14b, KD16, Kit91a, KK13, LM85, LS15, LFY16, MO94, PSA14, PSMA16, dSP16b, Rad16, Raî14a, Raî14b, Sed11, SR17, Son14, TD14, QX16b, Yu14, ZZ16, ZH169, ZZZ16, dPN81]. **Operator-Eigenvalue** [Che14a]. **Operator-Entered** [dPN81]. **Operator-Norm** [YSK15].

**Operators** [BldPS04, Ber02, DS02a, GW17, HT91b, MS02, Sed04, SB03, ADP14, AFM13, AP17, BHD10, BM15a, BP89, BP90, BP92, BL39a, BdPN14, BLZ11, Boa13, BJS13, BPR14, BT17, BCM18, BM15c, Cam14, CW81, CQH15, CL17a, CN05, CGL+16, CH10, CIN15, DH17, Del94, Den14, DM13, Dra10, Dra11, Dra16, Dra18a, Esh17, Fan83, FNBR96, Fur08, GT14, GR81, GW12, Gil16, GR91, GR93b, Han17, HBM15, HH16, HKS94, ISCS11, Jac79, JKD16, JX13, Jon78, JS15, Kan16, KP92, Kit91b, KL15, KLS08, LLMT05, LS96a, LS96b, Li87c, LT88c, LT88b, LT90b, LT90a, LT90c, LT93, LM93, LP93, LMR94b, LSS01, LZ01, Li11, LPT11, LS17, MS13, MF79,
operators [SA10, Shk12, TH14, TD16, Tan13b, Wal79b, WD17, Wil81, WC12, ZZ16, ZZC17, ZZ00, dBS00].

optical [FP17].

Optimal [AP17, dBS00, BGV11, Cam83, CQW16, CJ12, Cir15, Cir16, Civi17, CM07, CCLN16, CIN15, CID16, DTSI15, DD14, Dok93, Dok09, EM95, FTZ08, FP17, FJK98, GZY18, GHT16, HS83c, HSX16, HSM17, Hili07b, HK10, JKB17, KMS16, KS17a, Kre16, Kri87, LPT14, Leg06, LW16, LFY16, Mat09, New80a, Rad16, SLW13, Sio14a, Sta15b, SF17, WL18a, XQ15, XQ16b, XSL15, ZX10, ZCP17, tHK17].

Order [AAT17, KW17, Pei02, vBW95, ACMS10, AS15, BS18, BH13, BH16, BMGC16, Cam83, CQW16, CJ12, Cir15, Cir16, Cir17, CM07, CCLN16, CIN15, CID16, DTSI15, DD14, DL92, Dok93, Dok09, EM95, FTZ08, FP17, FJK98, GZY18, GHT16, HS83c, HSX16, HSM17, Hili07b, HK10, JKB17, KMS16, KS17a, Kre16, Kri87, LPT14, Leg06, LW16, LFY16, MRT14, Mat90, New80a, Rad16, SLW13, Sio14a, Sta15b, SF17, WL18a, XQ15, XQ16b, XSL15, ZX10, ZCP17, tHK17].

ordered [Leg06].

ordering [Har78b, WL15, WC15].

Orderings [MP16b, Gro97, Hey88].

orders [And96, JS15, MRT14, Mar15, MRD15].

ordinary [ZG08].

oriented [CT16, Gon17].

orthant [Mar92].

orthant-monotonic [Mar92].

Orthochronous [Les93].

Orthogonal [BD97, GP14, GK02, Ggw76, Hol95, HK13, Hor94, Lop11b, Per17, BT11, Bas17, BBM15, CH87, DP00, Dok09, Ell95, Gal08, GAGM18, ZG99, GHT16, JWP98, KW92, KLS08, LM93, Lim01, Mal95, MRT12, MR08, TLI2, Vin06, WG91a, Zha01a].

orthogonality [DS02b, Gro17, Hol04, RˇS06, RˇS08a, AR15, CP13, Fan88, GP14, Per17, RS09].

orthogonally [RS17].

Orthonormal [KCBR87, LZ01, MC86, WG91b].

orthostochastic [PT87].

orthosymplectic [Lee94].

oscillatory [CP97].

Osima [HK16b].

Ostrowski [Mar76, She77].

other [BY76, Bar07, BSS12, MRT14, Pie92c].

otherwise [Bal78].

Oussa [Ano16c].

Outer [KM14, SPKC15, AB17, LMR94b, LYZ12, Tia01, TS05, YHS13, YGW15].

outer-planar [YHS13, YGW15].

outerplanarity [Vo83a].

outindependent [FG06].

outstanding [Joh82b].

oval [Mel13a].

Ovals [Mel12].

Overgroups [Gur97, GL97].

overlapping [Ve83b].

P [JT95, TT74, XCC99].

P. [Fie84, Zha95].

P.I. [CV94, Di 88, Per15, Reg93].

packet [Far17].

pair [BT13, BZ90, IS16, LD17, TT06, Uhl79, WZH13a, WZH13b, You15].

pairings [Yuz84].

Pairs [BG86, Do 96, Rod08, SB03, Tan74, Atn11, AW13, BJS98, BZ99, Bea78, Cal97, Cal99, CLW15, Che17, Dod13, Fer10b, FKKS11, Gal08, GP06, GTM14, Gur97, Gur92, HZG14, KH13, KC16, Pet00, SH98, Uhl82, WHG17, Wat77].

pall [Adk95].

paper [Mar82b, Tam85].

parabolic [CW11b, CX12, CW12, Den05, LCL13, Sch79, WY11].

paracontracting [WC16].

parallel [Ber17, Dj16, You15].

parameter [Adh13, Bre17, CGH15].

Parameters [Rod02, Koo95].

parametric [HMAD13, Sk17a].

parametrization [AG15].

paraphrases [Leh91].

Pareto [AS17].

Parity
[ASZ02, TI77]. part [Dc84, Dru15, JN80, Joh84, JL91, SU77, Sl99, ST96].

Partial
[HS83b, Tia02, BMGMC16, Cal94, Cho18, CM85, Cir17, Cla92, DD10,
GWW16, Gro97, GHT16, Har78b, HK10, JR84, JU00, JS15, KMS16, LPT14,
MRT14, Mar15, MRD15, PT10, TSYB82, WL15, WRC15, WL18a, Woe93].

Partially [Bal18, CC17a, Leg96, Sil95]. particular [BS15a, BCdHP10].

particular [BS15a, BCdHP10].

partition [BX11, DF87, Fon89].

partitioned [FL16b, JMP17].

Partitions [Kes83, PM81, PM85, ST97a, Chn90, Cla92,
Cve95, Fer92, HGS88, RW84, SS12, TOM88].

Partly [MOvdD90, McD92b]. parts [AS12, GW17, GHH16, Ha89, Pal79].

Pascal [AFVL00, TB01].

Path [DP98, JS99, GJ89, Hut17, RP90].

paths [AST05, RW84, Ste94b, WSH+11]. pattern
[Ach77, BJS98, CHK00, LLS10, LLL99, MM11, MR38a, SM94, WMY11].

patterned [NU94, vR11]. Patterns [MOTvdD03, BJ98, BM12, CJ97,
Cav10, CM07, EJ91, Esc93, FHL+13, GS01, GS60, GSS09, Har91, Har95,
HS93a, JL93, JWP98, KMOV07, KOvdD09, KMT96, Kir11, LGA+13,
LHB+15, Ma15a, MY12, YMY13, YHCW14, ZHLZ13].

Pauli [MS15a, MS16]. Bernoulli [CP16]. Ito [HZG14]. pencil [Gou13].

pencils [Atk91, By76, LL14]. pendant [LT12a, LDL17, WD10].

Penrose [Bap97, BGMZ16, DD10, DW12a, Fei95, Gro09, HPV84, HPV88,
JGK79, KMR89, KR07, Ky11, Li11, MZ15, PA10, Se06b, SZBW16, SPS15,
TC04, Tia05a, YZ14, Zha04b, ZFSX17]. pentadiagonal [MMG15].

pentagonal [Sim83]. Per-spectral [ZWL15].

Perfect [CG16, PB17, BJ94, DP09, Quo88]. period [New80b]. periodic
[CKN95, CLW15, Sat11, Sie99]. Permanent [BC78, CD03, Hon92, Pat03a,
Coe96, DJ98b, Fak97, FS86, GJM86, Hon91, Hon93, Hu94, Hwa85, Hwa91,
HS93c, KS84, Lim79b, Lon73, LM89, MS85a, Mer80, Pat96, Phe80, Sin73,
Sin76a, Sin80, Sin81b, Sin84b, Sol97, Sol00, Stn92, dF05, dF13].

Permanental [JP87, LZ11b, Pat89, Bap91, BF75, Cha90b, DF89a, For79b,
GHL10, HT91b, Kop94, LT92a, LZ14a, Lon97, Mal89, Sou03, WLD18b].

Permanents [Ach77, AAT16, FW86, For88, HZ03, Kit81, KS76, Pat81,
SHC02, SJ02, Wan05, BFR90, Bur95, Cal95a, Cha83b, Cha84a, Cha88, DH91,
ES73, For79a, FM78, Fri82a, FL88, Fr90b, GOL92, Gyl87, K82, Kr87,
LHP75, Min74d, Min80b, Min83, Min84, Min87, Pat92].

Permutations [Cha79b, Kap77, Le76, LF16, SRW07, Wan80].

Perron [AD17, BOvdD95, BAN12, DM87, EJ88, Fie73,
GS83, H8a7a, JP17, KNS86, KF89, Mcl13b, Mey15, Roh06, SPS15, vBW95].

personal [Pri78, TT78]. perspective [BT11, NS18]. Persymmetric
[Ve82c, Ve82a, Ve82b, Ve83a, Ve83b]. Perturbation
[BCM18, CQW16, CLX03, Din00, DM79, LYS15, MRR09, ZY13, ZZZ16,
Ben90, Din98, GL16, JDS12, KN97, LL17, MRR16, MZ15, ST15, SW13,
So99, WMR16, YZ14, ZYL13, ZVL18]. Perturbations [Gal03, ST97a,
BOvdD91, BCdHP10, Bén11, Fer09, Fer10b, MRR16, SS12, ZFSX17].
Picard [CH06]. Pick [CH12]. Pick-type [CH12]. PID [Hua01]. Pietsch [BPR14]. pinching [PT87]. Pinchings [BKL02]. Pisanski [Ano16b]. Pivot [KMS02, EF98, KMS07, ST08]. pivoting [EM95]. places [Kir04]. planar [TWZ16, VDW85, YHS13, YGW15]. Planarity [CW90, Blo95, Die84, Kar90, Vo83c]. plane [CM15, Chun90, DS16, Mm07, Mr09, RW84, ST96]. Plethysms [CV94]. plücker [CC92, Tam91]. plus [Ik15b, Sol06, IWPW14]. pockets [Bar08, NP15]. Poincaré [Bed10, Bed11, BX11, Car90, DF82]. Point [Dok81, CIP17, Sch75, Sch78, Wan17a]. Point-sequences [Dok81]. points [BLP12, Beb86, BS15b, BDK05, CJK13, Gei78, Hon92, KM98, LPS13, MS87, NT91, Spi00, TH14, ZX16, ZXL16]. Poisson [CD15, Kay17, Mar12]. Polar [Jam95, De 08, DP99, Fur08, LMMR01a, Pas16, Pat87, Pat17, SU77, ZYL13].
Polarems [SU77]. polarization [GR93a]. Polarizations [BBT07, Far93b, Wil81]. polarizing [Ous15a]. pole [CFP10]. poles [AMZ13]. Pólya [WW76, Whi79]. polyhedral [MM07, Tam77]. polyhedron [FS86]. Polynomial [AS11a, BP09, Cal03, CGH14, Red02, SA07, Wat77, Adh13, ASAST, Ami11, Ami80, BB17a, Bra86, Bre14, BM07, Cal94, Cal97, Cal99, CdSS17, Dat80, Dia90b, DMD092, Diif97, FZ11, Fei81, FP17, FdSV16, GA85, GDV16, GMD85, HHC12, HAMAD3, IS15, JRMFMAS16, KLKP17, KK16, Lip98, Lit17, MEL13a, Mer79b, REG98, SS07, SK15a, SK15b, Uhl99, Wim88, WW12, dO75]. polynomially [Kan16]. Polynomials [AP04, Far02, LM85, Mes13, New76b, PT02, Spi76, AS11a, AM13, AS12, AGZ00, BS15a, BCR01, Ben74, BH74, BG79, BMP10, BPR12, BPR14, BD13a, CC17b, CNP05, CNUV16, Coh88, DP98, De 90, FW73, Fit94, GAGM18, Gar73, Gar79, GV89, GLKLR82, GLR82, KS07, KK90, KLKP17, KML95, KLZ96, KL92, LRT91, LZ14a, Lon73, LT07, MW74a, MF77, MR97, MF98, Mar09, MRT12, Orz84, Ota13, Pae84, PR12, Per15, Pie92c, PV00, Rei77, SA07, Si88a, SS06, Si98, SL16, Soa08, SL95, Tie16, Tre87, Wat86]. Polytope [SHC02, Bru85, BD13b, Hwa85, LZZ17, dF11]. polytopes [Har91, Sie99]. Pommerenke [Bol12]. Poncelet [CN04, Mir09]. Pontryagin [Su83]. porism [Mir09]. portions [CN08, ERS12]. posed [BHM76]. poset [Fos05a]. posets [AST05, BC91, KC16, Ste94a, WW01]. Positive [BBP78, BR01, Cha90a, CIDK07, DH03, DWL14, Grz91, Hil07b, AG15, AO78, And96, Bak84, BSM98, Cha92, Cha93a, DM17, DPP17, DH86, DM13, DGJ+16, DJ89b, DJL94, DJ98, Dru15, Fan73, Fan92, FW07, Fla75, FH15a, FS15, FSY16, GT14, GMZ11, GHMW86, GLP92, HK16a, Har78b, HS88, HNS99, Hil07a, Hil11, HM95, Ibr00, JP15b, JN80, JOvdD84, JP87, JR09, KMT96, Koh11, LS10, LSvdD95, LM96, LP11, LT11, LT12a, LL16b, LF16, LL14b, LW12, Mai11, Mar13, Mat92, MK16, MP16b, Mol15, ND13, Pat92, ST94, SM94, SMBB+15, SBMP16, SL17, Wal79b, WZD16, YH05, ZX16, Zha16b]. positively [NS85]. Positivities [WLX16]. positivity
possess [PP16]. Possibilities [SS96, JR84]. Potential [FW07, HLZ05, JL91, Wu09, BF96, Uhl13]. potent [BT06, BT08b, BLZ10, Den14, HLZ11, McC85]. potential [HMO11]. Power [KPP13, MF92, MO93, BM07, Bun91, CP15, Gol07, JM85a, Lei93b, MGA17, New80a, Tam88, Tan10, TLL11, TLC16, XL11, Zha14b]. power-associative [Gol07]. Power-compositions [BM07]. Power-exact [MO93]. powerful [MM11, WYM11]. powers [AGR91, Ash16, Aue98, Bou93b, Coa99, Dru15, FKR93, Fri82b, JG90, Mcf79a, MV91, Pat83, Pok87, Stu89, Vas87, HOT15]. pp [Ano16e]. pr [MR17]. Pr [MR17]. practical [WSZL17]. Preaffine [DW92]. preceding [Mar82b]. preconditioned [LZ16]. preconditioning [CP16]. predictor [Chn84b]. predictor-corrector [Chn84b]. Preduals [BPR12]. Preface [Ano16d, BLZ12, CK12, KL11, LRT08, LT09, LPW14, LSS16, ŠT15]. premières [BC06]. prescribed [AMZ13, Bot94, BM89, BM92, Bra09, De 82a, DH95, DS93, Est80, GPM14, GMD85, Her83, KM14, LKPK17, Min84, Mii88a, Mi188c, Si90, Si93, Si95, Si98, Si99, Tho75a, Tho75b, TI77, Zab89, Zab90, Zel85, dO75]. presence [FW13]. Preserve [Lim90a, SB03, BCN05, BP89, BP92, CL17b, HK94, JS94, JLL88, JPL07, LT88c, MZ91, Slo16a, Wat77, Wat82]. preserved [Can80]. preserver [Ano92g, BLP92, CL01, Hua16, Joh11, MS98, ST08]. Preservers [BJS15, Gu97, LM30, LS04, LR04, RS90, SK03, SBMP16, BPS00, BS92, BL97, BL01, BS16, BS17b, BS17c, BBEL18, BH16, BMGM16, CL95, CC14, CL05, CLN13, CLMR09, DGJ16, F HLS13, GP14, GL97, KS12, KP14a, LL16a, Lau81, LT88a, LT92b, LT92c, LT92d, Lim97, Lim01, Lim10, LT14, Lim15, Loe92, Min77, Per17, Sin82a, Slo15a, SA14, TZ06, ZS05, Zha05]. preserves [Coe96]. Preserving [DS04, Dolo96, Zha94b, AS17, BHD10, BHD11, BP90, BL93a, BBB09, BDS13, BS07, BCS18, BH13, Bot79, Bot87, BM15c, BSO13, BMGM15, CGY13, Che14a, CW16, Cos14, DS13, Dol07, DHB07, EL90, FOS05b, FKK11, FHL14, HR85, HS17, HH16, Hua10, HZXL15, JQ15, JLR92, Joh11, KP92, Kov77, Kun99, Li87c, LT88b, LT90b, LT90a, LT90c, LM93, LP93, LMR94b, LS01, LZ01, Lim10, LJ11, LL11, Liu15, MF79, MR12, MS90, MO13, MC92a, Mol09, MN12, Nag17, Pet97, Pet10, Pie79, QH17, RAI87, RJO4, RS06, RS08a, Slo13a, Slo14b, Tag12, TH14, TH18, TB92, TXC08, WZC11, WZL13, WJ16, Wat85b, XCC99, ZH1009, ZC12, ZX16, ZWW10, ZXF15, ZL17]. Price [TT78]. prime [Cen11, DS13, Far17, JLL12, LWZ15, New80a, Nor95, Nor08, Per15, QH17, Sta14, Sta15b]. primeness [Per15]. Primes [RS74]. Primitive [BS17b, dSP16a, WYM11, AF11b, CC17b, GSS09, LLS10, LM95, LL90, LNS12, MYM13]. primitivity [BP89]. Principal [Dru15, LP03, LMMR15, NS92, NS93, Rao81, Vrb86, XFG14, Bén10, Chos82, Dix79, Fie81, HKT15, HS87, HK16b, Hol84, HT91a, HO17, Joh84, JOvdD84, Nas75, NTU93, Pr178, ST08, TT78, To92b, ZH11]. principle [dc13]. principles [LL14b, Sin83]. Private [KP14b]. Probabilistic
probabilities [Ger86, Joh82a]. probability [CPZ17, DPP17, LN14, Sti87]. Problem [Ano82f, CLLT93, Tho82a, Adu15, AHK92, AS11b, AG15, AO78, Ang00, Ano83m, Ano85g, Ano86e, Atk84, BC05, Bap92, Bar88, Bru87, BK87, CC17a, Cal95b, CKLP13, CH12, Che91, Cro18, CCLN16, Cve95, DS16, DFE82, Dod13, DJK08, DWL13, FdF09, Fie90b, Fla75, FH89, Gar85, GB77, Gra93, JC74, JL85, Jol89, JJK95, JN14a, LW96, LLW07, fLLyF15, LMMR01b, LW10, LL78, Mer79a, Mil15, Min80a, Min82a, MMG15, MS15a, MAM15, Mum86a, ND13, New83, Raw81, Rea96, RP04, SR17, Sin84b, Smi05, Sol06, Sol80, Sto79, Tau73b, Tho85, Tho87b, Tho91, Tre85, Tre86, Ves80, Wan17b, WW01, Zha92, ZY13, ZVL18]. Problems [BL80, AAB17, Ano82g, Ano84e, Ano84f, jAS15, BCR91, BLP92, BR01, CQW16, Che92, CL01, CID16, De 84, Din98, DJ98, Fri88, GMZ17, GTK79, GM87b, HRMP95, Hua16, Joh82b, Joh11, JTU00, KPL +09, Li85, LT88a, LZ16, MM06, Man91, Mer91, MS98, SQM99, Sch91, Sin82b, TT85, Wil83, WL16c, Xu93, YLW15, Zha00, ZHZ11, dF13]. Procesi [Reg87a]. process [FSFSO +14]. Procrustes [Rau18]. produced [Tia11a]. Product [AK94, BLDPS04, Ca03, CLG +16, GN02, AF12, JHT85, AHJ87, Aze99, BCDFO9, BM17a, dAB17, Boa13, BM15c, BM17b, Boz99, BH15b, BZZ10, BM16, Cam78, Can80, CK17, CW16, Cho18, Con77, CD15, Di 88, DM13, FD14, FKKS11, Fow80, Gha13, Gra10, Gra11, GT98, HZ11, HP883, Hole5, HH16, HX16, HWSH13, HZXL15, IS15, Joh77b, JN90a, JS99, JN00, KT06, KR14, Koz17, Lee94, fLLL +17, Lin90a, LMMR01b, LLIJ11, Mar97, MP16a, Mat92, McF79b, Min92, Neu74, Nor95, Nor08, Pat08, Pat09, Rad16, RW96, Rod81, STME10, Sil93, SAV01, SZBW16, Tan13b, Tho74, Tho88, WZD16, WJ16, XQ16b, YZ16, Zha00, ZPCZ16, vR11]. Products [Bal77, Bal79c, EM87, Ell95, Gib76, Lai83, MKS84a, OR15, Pat81, Rod97, ST91, Sui08, Wi99, Alp95, A097, BK83, BJ75, Bar76, BJ93, BS15, Brel12b, Brel16, BSO13, CW81, CGY13, CL85, CG17, CL17b, Che95b, CKL16, CG16, DSD83, De 78, DF90, Do107, Du10, FL16a, FM00, FHLM14, FIS06, GWW15, Gil16, Gro96, H091, Har84b, HS81, H084, H091, Hua08, HLH18, Joh74b, JOvdD85, JNO90b, Kit91a, Kur04, LL16a, Lim15, LMMR01a, LW08, LFY16, Liv94, MKS84b, NS99, Ng14, Pat82, Pat92, Pat08, Pet10, PT87, RS10, S190, Smi94, Spi04, SW81, Sur98, TH14, Tan16, TC04, Ta05b, Tia18, Uhl82, Wan80, WZ97, WC16, Zha89, ZHH09, ZXI0, ZXF15, Zim89]. programming [Bar07, Che92, Gur98]. programs [Caf13]. projection [Gro99]. projections [JHT85, BR10, BC113, Gal08, KW17, KR07, LD17, MR08, Rei83]. Projective [Jam88, Rei75, Den05, Ng14, Pan13, RS06, RS08a, RS09, SZ85]. projectors [BT11, BT13, DW12a, GT98, KR14, TL12, TCI13]. problems [EJ88]. Proof [Kit81, Rad80, Tho86b, Ax95, Aue95, Bar12, BD96, Fri82a, HL09, Koh11, Min82b, Poo80a, Reg87a, RW84, Rem90, Roe99, Tam91]. proofs [CL13, DHT94, MS82b, Rem82, ST80]. proper [AMZ13, Ger82, Tho75b, LWW15]. Properly [Fri97]. Properties [BD94, EMS02, HM77, HK17, KY17, McC85, WD17, BC82, BS17e, BS18,
CL94, CJK\textsuperscript{+}13, DST91, Din15a, Dra13b, Dra17b, EB17, Far17, JNBR93, 
KI16, KW17, KS84, KM98, LZ14a, Lor00, Mai11, MSS13, MRT14, Mar13, 
MH12, NG15, PRS03, RP04, SMBB\textsuperscript{+}15, SSJ15, ST08, SKM17, SL17, TG09, 
Tra89, Tra90, VM07, WC12, Ze95, ZW17a]. \textbf{Property} 
[Che95b, CN04, Ger74, BNP06, BCEM12, Can80, CP16, GF10, Har84a, LS17, 
LFY16, LC83, ND05, Per15, Rom07, Tan74, Wer87, XQ15, ZCCIW12]. 
\textbf{Proving} [Red02]. \textbf{Pseudo} [FG02, Bal79c, BS18, –DM79, ZZ16]. 
\textbf{Pseudo-involutory} [Bal79c]. \textbf{Pseudo-reflections} [–DM79]. 
\textbf{Pseudo-Schur} [BS18]. \textbf{Pseudo-Strong} [FG02]. \textbf{Pseudocharacteristic} [Mer79b]. 
\textbf{Pseudoinverse} [Bom02]. \textbf{Pseudospectra} [ABJ16]. \textbf{Psi} [Pat93]. 
\textbf{Psi-functions} [Pat93]. \textbf{pure} [CCL10, EJ91]. \textbf{purely} [Bar07]. \textbf{Putnam} [Ras17]. 
\textbf{Pythagoras} [Haw05]. \textbf{Pythagorean} [YLL90]. 
\textbf{QR} [LYS15]. \textbf{Quadratic} [BSO17, Rob77b, Adh13, Bae84, Che92, Dra18a, 
Edw80, Fei75, Ful76, Ger82, KML95, Lew97, LPT11, ME18, Pap13, PUÖ15, 
Rus16, Shr90, Sni80, SPM14, Tau81, TS05, Tia11b, UÖÖ15, UPÖ16, Ves80]. 
\textbf{Quadraticity} [PUÖ15, UÖÖ15, UPÖ16]. \textbf{Qualitative} [JvdD91]. 
\textbf{quantifying} [Aud15]. \textbf{quantitative} [Fie73, IT16]. \textbf{Quantized} [JP15a]. 
\textbf{Quantum} [KLZ10, MS16b, Ahr11, CGH15, Da94, DHLKSH08, Dri13, 
FHLS13, JP15a, Joll14, KPL\textsuperscript{+}09, KP14d, ShDHG08, Zha14a]. \textbf{Quasi} 
[And96, aCC17, dSP16b, Go06, LBV13, TLC16]. \textbf{Quasi-coprime} [TLC16]. 
\textbf{quasi-filiform} [LBV13]. \textbf{Quasi-orders} [And96]. \textbf{Quasi-range-compatible} 
[dSP16b]. \textbf{quasi-strongly} [Gol06]. \textbf{Quasi-Whittaker} [aCC17]. \textbf{Quasidirect} 
[LÖs96a, LÖs96b]. \textbf{Quasimonotonic} [Gol90]. \textbf{Quasinormality} [Ras17]. 
\textbf{quaternary} [BX11, BSO17]. \textbf{quaternion} [AK16, Din15a, FWZ11, HW13, 
HW14, HZ12, Kyr11, STZ94, Tho87a, Tho89, YL11, YW15, YW16]. 
\textbf{Quaternionic} 
[haYsS99, AAB17, AY84, AY95, CCL10, EÖ15, Fen10, MVPS14, Rod08, ST96]. 
\textbf{quaternions} [Kri87]. \textbf{question} [GR14, KNX93, KNX95, Sin80, Zha95]. 
\textbf{questions} [BHM76, CKLP13, dF11]. \textbf{queue} [GT08]. \textbf{Quintuple} [Sto79]. 
\textbf{quotient} [ZY13]. \textbf{quotients} [BdPNdP17]. 

\textbf{R} [Ano79b, Fie84, Shk12, Zha95]. \textbf{R}. [Don91]. \textbf{Racah} [WHG17]. \textbf{radial} 
[Li86, Tam86]. \textbf{radical} [Li86, Tam86]. \textbf{radicals} [GLOT13]. \textbf{Radii} 
[Go07, LR04, AO97, CC14, CL14, CLMR09, FNBR96, GWW15, Gol79, 
Le91, Lei95a, Lei98, LT89a, LT92c, LMR94b, Li94, LZ01, LDL17, MS82b, 
MS85b, Tam98, YHS13]. \textbf{Radius} [Fla74b, LS02, PT02, ALP94, BDK09, 
BM17b, BBZ15, CCS16, Cha92, Cha93a, CW17, Cos14, DM14, DIF13, 
FT08, FLZ07, FYIS13, Frd93, GL11, GTZ75, GB11, GLS16, HH16, JL18, 
JSG94, Koz17, LP07, LTT84, Li87c, LT88a, LT88c, LT88b, LS01, LT09, 
LT11, LT12a, LC14, LS12, LS13, LL15, LZ17a, LZL18, LL10b, Man91, MO94, 
MP96, NP13, NG15, Oku93, Pep11, SYZL17, SHS17, SZWB16, yT86, TJ11, 
Ton87, WH11, WDJ10, XL14, YSY17, ZHH09, ZG11, ZW17a, dlP09]. \textbf{Rado} 
[GX17b]. \textbf{Radon} [AYC93, GP74, Lee98]. \textbf{raising} [GR81]. \textbf{Random}
random-effects [TJ16].

Range [AMP02, BK83, BD94, CN04, Far02, GW04, KR07, LN98, Sed04, haYsS99, AAK16, AYT83, AY84, AY95, BJS98, Ba180, BB15a, BD88, BLD91, BL92, BD96, BdPN14, CJ97, Che94, CL94, CT96, CT09, CL13, Chi98, CNP05, CNP06, CN07, Chi11, CN14, CGL+16, CH10, CKP09, Cro08, EM15, FT87, Far93a, GW98b, GW08, Gro96, HH16, How80, Hu89, HT91a, Hug90, Jam88, Jam95, JLL07, Jon92, JR93c, JR94, LLS14, Le912, LT92a, Le93b, Le95b, LT88a, LT88c, LT91, LMR94a, LSS01, LPS09, LT09, LD17, LP16, LTT11, Man87, Man91, Mar75, MF79, MS79, MW80, MS82a, MS87, MS15b, MS16b, NNT95, Nak95, dSP16b, Poo80b, Poo94, PV00, Rod08, RS08b, ShDHG08, ST80, STZ94, ST96, Spi00, Tam85, Tam88, yT00, Tho80, Tho87b, Tsi83, WZD16, Wes75, Woe08, WC12, Yua98].

Range [bPFZH08, LLS16].

Rank [BT11, BPS00, BL97, CM15, Cho10, CL01, Dodi13, EL90, Fer09, Gal01, GVS96, JT03, K14a, Mar13, MF92, OW02, Pat03a, ST97a, So99, SLH16, Tai01, Tai02, Wal79b, AW83, BHD10, Bal14, B189, BOvdD91, BL01, BSL01, BS16, BdP12, Ben90, Bén11, BHH+11, Bot87, CCS98, CGW14, CT16, Che14b, CGHK08, CLN13, CLMR09, CO12, Dec95, Der16, DH16, FW13, Fie81, Fra17, Ful76, FS89, GRMA13, Gon17, Gro09, Gur79, GL83, Hai88a, Har81b, HS87, HLZ05, HKS94, JW91, KS12, KP14b, KS17b, Kuz05, LL16a, Lau81, LPZ13, LPS09, LGA+13, Lim90a, Lim92a, LT14, Lo93a, Loe93b, Loe01, Lon80, Lon81, MS16a, Mar11, MMRR16, Min77, MSS18, MS15b, MS16b, NS15, Ncd98, dSP16a, Pet09, SDF12, Sem97, SMBB+15, Shi15a, Shi16, SMF95, Sili8c, Sili8b]. rank

Rank [SS12, SBMP16, SKP18, SF17, Tai05a, Tai05b, TWZ16, Tia17, Wan79, Wan15, WM17, Wat85b, Wes80, Wes81a, Wes87, Wes90, Woe93, Woe08, Wu09, WW12, XL17, ZS05, Zha05, ZY17, ZXF15, Zho16, SLH18]. Rank-

rank-activity [Har81b]. Rank-one [Cho10, CL01, BHD10, DH16, MMRR16, SKP18, ZS05]. Rank-preserving [EL90]. rank-subtractivity [Zha05]. rank-sum-maximum [Zha05].

rank-sum-minimum [Zha05].

Ranges [BLdPS04, Ber02, BS04, LS04, LR04, LS04, LR04, Loe74, AyT84, BdP98, BdP12, CGW14, CL17b, Che14b, Che16, Che17, CN05, CN08, CN15, CL00, CGHK08, CLMR09, Da 94, DHKSH08, ERS12, FHL+14, FL16b, GW12, GWW16, G0179, HT91b, JNB93, KPL+09, KP14b, Lei93a, Lei98, LT92e, Li94, Li96, Li98, LPT11, Mag13, Mag14, Man92, MP87a, MR97, MP98, Sza09, Tam94, TGW14, Tsi81, vD96].

Ranks [BT11, BPS00, BL97, CM15, Cho10, CL01, Dodi13, EL90, Fer09, Gal01, GVS96, JT03, KP14a, Mar13, MF92, OW02, Pat03a, ST97a, So99, SLH16, Tai01, Tai02, Wal79b, AW83, BHD10, Bal14, B189, BOvdD91, BL01, BSL01, BS16, BdP12, Ben90, Bén11, BHH+11, Bot87, CCS98, CGW14, CT16, Che14b, CGHK08, CLN13, CLMR09, CO12, Dec95, Der16, DH16, FW13, Fie81, Fra17, Ful76, FS89, GRMA13, Gon17, Gro09, Gur79, GL83, Hai88a, Har81b, HS87, HLZ05, HKS94, JW91, KS12, KP14b, KS17b, Kuz05, LL16a, Lau81, LPZ13, LPS09, LGA+13, Lim90a, Lim92a, LT14, Lo93a, Loe93b, Loe01, Lon80, Lon81, MS16a, Mar11, MMRR16, Min77, MSS18, MS15b, MS16b, NS15, Ncd98, dSP16a, Pet09, SDF12, Sem97, SMBB+15, Shi15a, Shi16, SMF95, Sili8c, Sili8b]. rank

rank [SS12, SBMP16, SKP18, SF17, Tai05a, Tai05b, TWZ16, Tia17, Wan79, Wan15, WM17, Wat85b, Wes80, Wes81a, Wes87, Wes90, Woe93, Woe08, Wu09, WW12, XL17, ZS05, Zha05, ZY17, ZXF15, Zho16, SLH18]. Rank-
robust [Ano16c, Ous15b, Sol14]. role [MN96]. Root [Hai92b, BAN12, CGH15, EJD88, FZ11, Hai92a, Mel13b, Mey15, vBW95]. roots [AAT16, CL74, HHC12, JN80, KN81, Non73, Ota13, Tie16, Uhl99]. rootsystems [Hai88a, Hai88b, Hai97]. robust

[FW73, Gar73, ML16]. rotation [GTM14], rotational [Sjo93]. Rotations [Edw80, Edw78]. Rotfel’d [FL16b, HWY17, Zha15b, ZN18]. Roth [FW13].

round [Spi00]. Row [Joh81a, JP17, SS12, FV97, Har81a, Kap77, LSOvdD95, MH12].

row-adjusted [MH12]. RS [GTLN18]. RSV [LT10]. rule [BG90, CRY95, Che93b, CPT15, Wer84]. rules [Che93a, Kyr08, Kyr11, MS10a]. Rutishauser [TT15]. Ryser [MS85a, New83].


Sandy [Tam86]. Santa [Ano79c]. satisfied [Wan82]. satisfy [McD92b]. satisfying [CW11b, CW12, Diii97, Pet09]. Scalar [Est80, AF12, Bre15, PY82, Rod81].

Scaled [BKLO2]. Scaling [JR90, FLSS88, HS85, Sha91]. Scalings [HS85, SS79]. Scarpis [Dok17].

scattering [MS10c]. Schatten [FBNBR96, So90]. Schmidt [LF15].

Schneider [BHM76]. Schröder [RS18]. Schur [AO97, Bap88, BT06, BS18, Bum91, CR95, CPLH17, Dia79, DS02b, ES98b, ES00, FJ15, GMZ11, Gur83, HS75, JK10, Kim91, LM98, Liv94, Mas10, MO94, Neu81, NT86, Rem90, SV14, Smi83, Tam02, WZ97, Wat86, Zha04a].

Schur-concave [Tam02]. Schwarz [Dra11, Oku91]. science [FHL13].

score [Kir91]. search [CSCH01]. Searching [FK91]. second [Ano79c, BPW16, Cam83, DTSI15, Dra10, DR93c, JR93b, KML95, KLZ96, MP98, Rod08].


self-dual [OP13, Din15a]. Self-duality [BL83]. Selfadjoint [JR93a, Dra10, Dra11, ELG88, GLR82, GR93c, JR93b, KML95, KLZ96, MP98, Rod08].

Semi [Kms85, AFM13, BCM18, Cha90a, Cha92, Cha93a, CH10, Chu84a, DGJ+16, Gol89, Har78b, HPV84, HPV88, JP87, LL16b, sLLL+17, LL14b, Liu16a, MSS13, MS09, MO13, Pat92, Yu14].


Semi [Kms85, AFM13, BCM18, Cha90a, Cha92, Cha93a, CH10, Chu84a, DGJ+16, Gol89, Har78b, HPV84, HPV88, JP87, LL16b, sLLL+17, LL14b, Liu16a, MSS13, MS09, MO13, Pat92, Yu14].

seeds [JP15a]. Segment [Vo83c, Vo83a]. segments [GW08]. Segrè [BB13]. selections [LP16]. Self [BL83, OP13, Din15a, FS14, Gil17, HH16, Kit91b, LLM05, Sin84a, Tan13b].

self-adjoint [HH16, LLM05, Tan13b]. self-adjointness [Kii91b].


Semi [Kms85, AFM13, BCM18, Cha90a, Cha92, Cha93a, CH10, Chu84a, DGJ+16, Gol89, Har78b, HPV84, HPV88, JP87, LL16b, sLLL+17, LL14b, Liu16a, MSS13, MS09, MO13, Pat92, Yu14].

semi-definite [Cha92, Cha93a, Har78b, JP87, LL14b, Pat92]. semi-definiteness [Cha90a].

semi-finite [Liu16a]. semi-Fredholm [MS09, MO13, Yu14].

[Bea86, BB75, GP06, Gur97, New82b, New85b, RJ04, Wat84b, BGdH92, BG82, CR77, DHB07, FW13, GB77, GHV99, GL97, Gus81, Kur04, LT89a, LT90c, LT92c, LM93, MW74a, Rob75, Sil88c, Sil90, Sil93, SS96, Tia11c, Wat82].

Similarity-preserving [RJ04]. similitude [Vin06]. Simon [Raw81].

Simple [MP87b, BHI+11, Che07, CW11b, CX12, Chu84a, GT11, HPV84, HPV88, LQ95, Lip96, RZ17, Tan18b, WY11]. simplexes [ST86]. simplicial [Tam77]. simplicity [Mar00].

Simultaneous [AY74, BT90, Gr¨u76, Laf78, Bed10, HH85, MS10b, Uhl79]. Single [Mer83b, Dok09, JP87, Mel13a]. Single-hook [Mer83b, JP87].

Singular [BI95, GHT11, Hil17, LT92b, MS85b, Mir81, NS99, RS17, Rum97, ST00, AJL14, AHJ87, Bap87, Bea85, Bot94, BC94, BZZ11, CQW16, CH87, DdF15, Dii97, Fra13, GRSW92, GL16, HRT15, JN90b, Kar83, KS09, Li84, LT90a, LT93, LP93, Li95, Mat92, MS12, Nie10, RS07, Ric78, SDL10, Tho75a, Tho75b, YZ16, Zha00]. singularity [Shi15b].

Six [Min74c, Hua01]. six-term [Hua01]. sixth [Wan07]. size [KS93, KS17a]. Skew [CS10, CT16, AM13, Arm17, BZZ10, CT09, Chun90, DD15, DH11, Fur11, GT16, Gon17, Kyr11, GW17, LT11, LCL14, Lop11b, Lop18, MS16a, Mat92, Neu83, Nof15, PM85, Rod97, Zha16a]. skew-Hamiltonian [No15].

Skew-rank [CT16]. skew-symmetric [DH11, Lop11b, Lop18, Mat92, Neu83, Rod97]. skewsymmetric [LR13].

Small [Fer10b, ST97a, Bre15, CGH14, Dok09, Fer09, LTT93, Mes13, Pat83, dSP11, PGLM00, SS12]. smallest [CL86a, CL86b, Dec95, LLF08, PLH01].

Smith [Arm17, BK17, Cha96, Der83, GRMA13, HS96, IH11, Koo95, LT12b, New94, Pro95, Tho88]. sole [dSP12]. Solution [JSY14, AKH92, ALP94, BZZ11, Che93b, Che93a, De 13, DWL14, Gra80, HKT15, HW14, JS84, JN14a, MK16, Min80a, SPM14, Vei83a, WZH13a, WZH13b, YL11, Zha04c, Zha16b]. Solutions [DH03, Fl47a, Tia03, Bak84, BBP78, CC17a, CH12, CCL10, CIDK07, CID16, DHR6, DH11, FHW16, HW15, HSM16, Li85, Pen15, PM17, Son14, Wan15, Wer84, XSL15, YZ17].

Solvability [Lev74, fLL17, YqS16, AG15, JvdD91, KP11, Lip96, Tia00].

Solvable [KS02, BL10, BSCS18, CLOK13, Far93b, KLO14]. solve [BS17d, LT10]. Solving [ST97b, KM17, fLLyP15, LZ16, LW10, XJW17]. Some [AAK16, AN14, AW07, AyT84, BS15a, Bal75, Bal76, BG83, BD94, BKL97, BZZ10, BSZW11, Ch93a, CH94, DH14, DLT91, DCTW10, DV18, DH91, Dra16, Dra18a, EMS02, EB17, Fan92, FH15a, GLOT13, Gai77, Gro97, GX17a, HS93c, HS96, Hua08, Hua09, HXL16, Jh92b, KI16, KS84, LS88d, Li96, LM98, LN98, MM06, MW80, MR97, Mar92, MH12, MTR11, MS98, New75, Od083, Oka93, PH15, Pop14, SQH15, SSW15, SG96, Sim95, Sin82b, SWZB15, TSW7, TTH8, Tia05b, Wan82, WH12, Wer87, YT15, Zha00, ZN18, ZW17b, dF11, AE10, BK17, Bel15, BH74, BZ89, BSA17, BD14, Cal94, CGOT13, CGMR11, CL13, CM15, CL01, DP17, Deu80, DHT94, Din15a, DDT16, EL09, FD12, Fen10, FH15b, GA18, GP15, GT11, GL97, HW15, Hua16, HLH18, JK16, KMRS89]. some [KSMB16, KTO6, Kop94, KL92, Lei95a, LT87, LT88a, LPS13, Mah82, MSS13,
squares [AS95, AAB17, Bur11, Caf13, Din98, Gra87, GK77, JS84, LW08, LW10, Pen15, Ric85, Ric87a, SMF95, Sin73, Sin76a, TH80, Vas86, Wan15, Wan17b, Wu09, XQZ13, YL11, YLW15, YZL17]. SSOR [Neu84].

Stability [FD12, JOvdD85, Lee94, Lev74, PT02, RRR93, BC83, Bur11, Caf13, Din98, Gra87, GK77, JS84, LW08, LW10, Pen15, Ric85, Ric87a, SMF95, Sin73, Sin76a, TH80, Vas86, Wan15, Wan17b, Wu09, XQZ13, YL11, YLW15, YZL17]. SR [XL15].

Standard [MˇS02, CW11b, Rem82, YW007]. Standard [MS02, CW11b, Rem82, YW007]. Stanley [Har84a]. Star [BH16, Cve95, MRD15, ACMS10, BS16, BH13, CT96, Cir15, Cir16, DSD83, DF90, GS06, HS83c, Kre16, Leg06]. star-shaped [CT96]. starlike [ZB13].


Steady [DPP17]. step [YD14]. Stephens [Ano79b]. Stochastic [Bar74, Gib92, Joh81a, Sin81a, SHC02, SJ02, Ach77, AS95, BWF83, Ben78, Bru85, BS08, BD13b, Bur95, Cha83b, Cha84a, Cha88, CL05, DPP17, Esh17, Fie90b, For79a, FS86, For88, FM78, Gib76, Gol92, GLP92, Har81a, Hwa85, Hwa91, Joh73, Joh74a, Joh81b, Kir09, KS76, KS82, LLL15, LZZ17, LM89, Mal91, MKS84a, MR07, Mer98b, Min75, Min82a, Min84, Min04, MAM15, MA15c, ME18, Piu80, Pif87, Sen83, Sin73, Sin76a, Sin76b, Sin77, Sin80, Sin82b, Sin84a, Wal75a, Wan76, Wea83, Web83, Zha14a, dF13].

stochastically [Lon90]. stopping [Zar01]. Størmer [HOT15]. straight [HT91b]. Straightening [WdB99, CW89, Cla82, Mal92]. Straus [MS82b].

Strict [Mum86c, CC98, Mum86a]. strictly [BC10, CW16, Józ15, Neu83]. Striped [MOTvdD03]. Strong [DS13, FG02, LL11, Liu15, MO91, QH17, Ska17, Cir17, Har84a, Pan13, SSG12, dBi4a]. strongly [ADRP14, BP89, BP90, BP92, BL93a, Cam14, FG06, G106, GW10, YBCW96].

structurable [EK104]. structural [AAB15, DPvW13, FSvW11, GPM98, HLZ11]. Structure [GP80, AMZ13, Boz97, FJ15, FJ09, GL85, Grz89, Heo16, HSM17, Kra05, KMS07, KRe16, LWZ15, LEH96, MHH96, Mar12, Mer78c, Min74a, NP90, RJ04, ZZ00].

structured [BR01, Mag83, MMRR16, MS15a, YW16]. structures [ABvW16, LGB17, So90, WZH13a, WZH13b, Wil73, Wis12, vR11]. study [CW89, Fri78, HRT15, Mis17, TJ16]. Sturm [GMZ17]. style [Wat85a]. 

subdivision-coronas [DP17]. subdivision-edge [LPH17]. subdivision-vertex [LPH17].
subdominant [Kir09]. subgraphs [AAT17, FG06, HW88, LS09, ZWL15]. subgroup [MS16b, Sur98, Wan16a].
subgroup-relation [Wan16a]. Subgroups [LLT93, Sch79, Chu84a, Da 88, Den05, GL97, Hua90, Les93]. subject [Wan15, YqS16].
Submajorization [Han17, BCK15]. Submatrices [LP03, Cho82, Cra09, De 82a, FJM00, Fie81, GKV89, HS87, HK17, Joh84, Loe87, MN96, NTU93, SP87, Tho92b, Zab89, dO75].
submatrix [DS09, ZHZ11]. submultiplicative [Kra05, Kra06]. submultiplicativity [HJ87, JN90a, JN92, JN00, Mer78a]. submultiplicity [BB15a].
Subnorms [GGL03, GL01, Gol07]. Subpermanents [Min75, HM95, MM90, Ma191, Vrb86]. subrings [MP87b].
Subsequences [ACJ17]. subset [Bal79a]. subsets [MO13]. Subspace [Pat17, Das18, GP06, YW10]. subspaces [RRR93].
Subspaces [BR04, CD01, Gal08, haYs99, BG86, CDJ13, CLW15, CLR81, CHK00, CS95, CF15, Dat16, Far94, GQ06, JS94, JP15b, KME02, MMRR09, Pat77, Pat84, Rod81, ySpW14, Tam98, WG91b, XFG14, Zha13, dB16]. substochastic [CKP16, CK17, Gil92, Har84b].
subtends [Bal80]. subactivity [Zha05].
Sum [KR02, KL13, Am80, Ash16, Ber17, BP09, Cac13, Cal97, Cal99, Dji16, Fow80, Gra87, Gro99, HP90b, KMS85, KLO14, LPS08, LT13, MM90, Mal91, MV91, Nor88, QK92, Sil88a, Sin90, TH18, TCI13, Vas86, Vas87, XQZ13, Zel85, Zha05]. sum-of-squares [Caf13]. summation [IWM95].
summing [AP17, BMP10, BPR14, Cam14, PR12, PSS15, RSP17]. Sums [GC17, BCKP10, Bur11, DRW93, Sil90, Sil90, Sil90, Bal9b, BHK10, De 90, De 78, DHS95, FV97, GJ92, GK77, HO17, Kar83, Kur04, Lew96, LSOvd95, LLGL16, LMLL17, MRT12, PH15, dSP17, Ric85, Ric87a, TTT12, TH80, Tho92c, Tia05a, Wan76, dP74, vR11].
Super [CPT15, FD17, AA12, MZ17, Mit10]. super-additivity [AA12].
Super-biderivations [FD17]. superalgebra [CPT15, DH18, GMZ11].
support [WZ16]. supported [HMO11]. surfaces [FYIS13]. Surjective [Cos14].
survey [Ano92g, BL92, CR90, Far93a, KS17b, Mer95]. switch [GKT97].
switch-setting [GKT97]. Sylvester [Bar80, Bed11, BSI7d, DH11, GPM98, HKT15, HK17, KM17, Lei83, SWL13].
Sylvester-like [KM17]. Sylvester-transpose [BS17d]. Symbiosis [NT91].
Symbols [GN02]. Symmetric [BS17c, BBM15, CA03, CD03, DS02b, GR81, JT04, JPM17, LR96, Pat81, Pie85, Zha04b, All14, Bal14, Bal18, BL97, BS16, BS17b, Ben90, Bén11, Ben74, BH74, BB75, BB15b, BLSV12, CL85, CL92].
symmetric [Til77, Tre87, Uhl79, Wag87, Wim85, Zha05].
symmetric-indecomposable [BB15b].
symmetries [HWSH13]. Symmetrization [HO17].
symmetrize [Pat90].
symmetrized [BJ93, BD97, Hol95, HT12, MC78, Mar78, MC83, MC89, Mer77, WG91a].
symmetrizers [CdS03, Uhl13]. Symmetry [DF95, HT92, HK16b, MS08, MR74, Wil81, Cha78, CL86a, CL86b, CL13, DP00, Der83, Fin92, Hil76, HK13, Jin17, Jun88, KCBR87, Lim76a, Lim76b, Lim82, Lim90b, MC82, MC86, MM76, Mer78c, Mer79c, Pat95, Rob77b, yT86, WG91a, WG91b].
symmetry-antisymmetry [Pat95]. Symplectic [BB17c, DP09, Don05, Don91, FP17, LYS15, Mal92, MMRR09, New75].
system [DH11, FHW16, HW14, KO10, Lop18, Ned98, Pop17, SPKC15, Sti87].
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Dokovic:1983:CTE


Dokovic:1990:IMS


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Tsay:1982:BPF


Thompson:1974:CBP


Taussky-Todd:1978:SCC


Taussky-Todd:1985:RP


Tian:2006:CGI


Tam:2012:DST


Thompson:2015:RLA

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