A Complete Bibliography of Publications in
Linear [and] Multilinear Algebra

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Title word cross-reference

(0, 1) [DdF22b, FV97, Kim97, Zel85, BF15, BS18d, Cao19, KS83, LN10,
Min74d, Zho16]. (0, −1) [GZ99]. (1, −1) [KS84]. (1, 0) [MP13b]. (1, 1)
[Zha20a, Che03b]. (1, 2, 3) [GK18]. (2) [Che95a]. (2, 2, 2) [SF17]. (2, p)
[YD14]. (A, m) [GJR22, SM23]. (α, β) [YZ13]. (α, β, γ) [Ko10].

(AXB, CXD) = (E, F) [YLW15]. (AXB, CXD) = (E, G) [YTL20]. (b, c)
[SČK+20, Boa19, Dra18b, Dra22b, KCIC18]. (C_1^I, C_1) [Hua22a]. (e(x, y_x))
[Pre85]. (k) [Cha77, Cha79a]. (k + 1) [BT06]. (k, l) [Rem90]. (k = 2, 3, 4)
[Sta15b]. (m, C) [KLL22, MCL20]. (m, m − 1, 0) [HZ21]. (max +) [HKT15].

(n + 1) [Sch78, WT23, Sch75]. (n, k) = (4, 2) [JLL88]. (n, m) [CM19]. (p, h)
[DV18]. (p, q) [KL95]. (p, r) [ADR14]. (qr) [Raw81]. (R, S)
[fLL15, Pen15]. (s, p) − w [Ras17]. (√5 − 1)/2 [Sim95]. (T) [Che95b].

(v, k, λ) [Der83]. (Z_m)^* [How86]. * [SN23, ZCZ18]. −1 [WWW18]. −2
[Ano16b, BPS16]. 0 [HNS99, HLZ05, HL20, JS96, Wu09]. 0, 1 [MS79, BX07].
0 < p ≤ 1 [BS22a]. 0 ∈ F(A^m) [JL90]. 1 [CM15, DFK19, Fra17, HNS99].
\[ a * a = P(a) \text{ [HE20]} \]
\[ A + BX \text{ [JL91]} \]
\[ A + XBX^{-1} \text{ [dOMD77]} \]
\[ A - I \text{ [Fan92]} \]
\[ A = BXC \text{ [LT10]} \]
\[ A^* \text{ [HS83a]} \]
\[ A^+ \text{ [HS83a]} \]
\[ A^n = A * A \text{ [DMT21]} \]
\[ A_{o} \text{ [CH22a, GZZ22b, JWBB22, LY22c, LS22b, LCG+23, XSW22]} \]
\[ A_{r,s} \text{ [Boa19, Sta15a, YW09]} \]
\[ a^{a} = b^{b} \text{ [PA10]} \]
\[ AA \geq 0 \text{ [JT03]} \]
\[ \{ab - ba\} \text{ [BLR12]} \]
\[ AB = BX \text{ [LR89]} \]
\[ aba = a \text{ [BLR12]} \]
\[ ABC \text{ [Che22b]} \]
\[ AH + HA^* \text{ [ALT8]} \]
\[ \alpha \text{ [CR18, GX17a, Heo16, LGZ20, LL22b, SWH22, YS23]} \]
\[ A_{\beta,\gamma} \text{ [LQ21]} \]
\[ \hat{A} \text{ [BD12, Cir15, HZXL15, Kre16, MRD15, TRD16, WJ16]} \]
\[ A \rightarrow A^+ \text{ [Gol83]} \]
\[ Ab = b \text{ [McD92b]} \]
\[ AX + BX = 0 \text{ [De 13]} \]
\[ Ax + B|x| = b \text{ [Roh04]} \]
\[ AX = B \text{ [LLL+17]} \]
\[ AXA^* = B \text{ [Bak84, Zha04c]} \]
\[ axa^* = c \text{ [CIDK07]} \]
\[ AXB + CYD = E \text{ [LQ95]} \]
\[ AXB = C \text{ [dJJLZ+21, Tiao3, ZLZ+22]} \]
\[ B \text{ [GCSC20, SC21, WS18, ZZ16, Liu17, ME18b]} \]
\[ B(H) \text{ [BJ13z, Dol04, IK18, ZXL16, YJ21]} \]
\[ B(n, k) \text{ [LH21b]} \]
\[ B(X) \text{ [QC23]} \]
\[ b_{2,2} \text{ [Z200]} \]
\[ B_{ran} \text{ [JM13]} \]
\[ B_{row} \text{ [JM13]} \]
\[ B_{e}^{(m)} \text{ [MM20b]} \]
\[ bab = b \text{ [BLR12]} \]
\[ \beta \text{ [LLF18]} \]
\[ b_{0} \text{ [ESA18]} \]
\[ C \text{ [Abo20, And96, BD88, BPD88, CT96, DHKSH08, DvE20a, DvE20b, LXXQ21, Li87a, LT89b, Li94, LR04, LZ19b, LP22c, LP22b, Man91, Man92, NNT95, NY21, PMP22, RRR22, RRR23, ShDHG08, SA21, WZZ22, BCNG23, BD94, BD96, Ilk20, Jom92, JR193, Lei91, Lei92, Li86, LT88a, LT88c, LST89, LMR94b, LDL17]} \]
\[ C(X) \text{ [BG16]} \]
\[ C_{*} \text{ [BBX20, DM20, FMX18, GS20a, GNO20, HJI9b, HJI20b, Lud19, MW21, TH18, HJI9a, Xin20]} \]
\[ C_{*} \text{ [AR15, BCNG23, BBK22, BBB09, BR10, BM17b, CDK07, DM17, DKS09, DKM10, EM15, EPR16a, EPR16b, FXY22, FMXZ22, MR10, PRA22]} \]
Son14, Tag12, WZ23]. $c^n$ [Gol90, Shk12]. $C^*$ [BB17b]. $C_0$ [Ber02, Ilk20].
$C_0(Z)$ [AO22]. $C_m$ [YWW07]. $B(H)$ [AKS18]. $G$ [Mit92]. $H$ [HM19]. $L^{(l^2, H)}$ [Grz89]. char$F \neq 2$ [Uhl79]. $cp$ [BX07]. $CXC^* = D$ [Zha04c]. $D$
[JvdD88, LN10, NW02, Sch22, SA21, vE22, Cai93]. $D_0$ [ABP22, LXS21]. $\delta$
[MC17]. $\Delta^3$ [TRM22]. $\det X^T X$ [Sha94]. $E$
[Arn17, HQ14, XSH18, Ano22a, MH20]. $\epsilon_{11} - \epsilon_{22}$ [Jul21]. $\ell_p(F)$ [Ogn20]. $\ell_p^2$
[MZ23]. $EP_r$ [Mee80]. $\eta$ [HW14, KT19, YLW15]. $F$ [Bee86, Uhl79, KD16].
$F_1(A, B, B', C; z, w)$ [AEAAES20]. $F_a$ [LIH22]. $f \rightarrow f^\#$ [Gol90]. $G$
[Hof75, MS82a, MW22, Nie07, Nie22b, Pab22, BCNG23, CS21a, CS22, FZ21, GK18, GLL21, HLY22, LLHS18, LL20, LD22, LLL09, LWO8, LLD17, MAT22, Xia20, QXZ13, XQ16b]. $(g, h)$ [Bre16]. $G_2$ [Jun21]. $\gamma$
[JKD16]. $\Gamma_0(n)$ [Cha96]. $G_2^3$ [ZY08]. $GF(2)$ [Bot97, Cla92, Tra89, Tra90].
$GF(3)$ [Ell95]. $GF(q)$ [Ger86]. $GL(n)$ [KW93, Ner22]. $GL(n, F)$
[Sch78, Sch75]. $GL(n, R)$ [Mer82]. $GQ(2, 4)$ [BLSV12]. $GSp(V)$ [Vin04]. $H$
[AM13, CHL18, FH89, HJ20a, Jin17, JK17, L16, LZX19, LW20, Neu84, WLM21, YZH19, ESAJ18, GR91, GR93b, TRM22]. $H > 0$ [ALT78]. $I$
[LRD21]. $i(AX + B)$ [Mac95]. $i(AE)$ $\leq 2$ [XSH18]. $\infty$
[BB19b, CD21, MW15, WT16]. $i \times I$ [Esh22b]. $I$ [Heo16, MAH18, MAH21].
$K [BCNG23, Poo80b, SLW21, Slo13c, AAK16, Atk84, Bal22b, BLZ10, Bom02, BM18c, BM19b, CLP22, Che14b, CKT20, CL21, FGH22, FNBR96, FLT20, Gro17, HLY22, HQ18, HL21, HL20, IAM23, JMS19, JLL88, JR94, KW21, KKP13, KF17, LT91, L92, LLS10, LF15, LCC17, LDL17, LW21, LW22a, Loe93a, Loe93b, MW15, MDP22, MDP22, Mej19, Mes90, Sem97, SSG12, SHS17, Sta15b, TB01, WT16, WDJ10, ZL19]. $K(A)$ [Mer75].
$K(\mathbb{F}_q, \mathbb{F}_q, l)$ [LY22a]. $K^d \otimes K^d \otimes K^d$ [DM19]. $K_{3,3}$ [FK91]. $K_{s,t}$ [CZ21]. $L$
[BB19b, CLX03, Geh15, Tau74, BY19]. $L(p, p')$ [Grz91]. $L(X)$ [Cos21]. $L^2$
[Laa96]. $L^2(\Sigma)$ [JS19]. $L^p$ [Rho94]. $L_1$ [AG96]. $L_2(0, \infty)$ [FD14]. $L_p$
[BS22a, BPR12, Boz98a, Gol87, PSS20, RF199b, Sen22]. $l_p(1 < p < \infty)$
[MMP20b]. $l_p(\mathbb{N}, F)$ [DTS14]. $l_p^n$ [CSS21]. $L_r \otimes \mathbb{Y}L20$. $L_n^n[q, n]$ [Bad19]. $\lambda$
[CM19, LGG19, PZG22]. $\lambda - r$ [MS15a]a.
$\lambda^2(G) = d^2(G)$ [PH03]. $\lambda - N$ [Che94]. $LDL^*$
[Sta15a, limx→+∞X(λ+X+1)$_{-}$Y [YZ16]. $log [KKY22]. LR$ [Mar78, T15]. $M$
[And80b, BCN05, BPEC12, BC94, CKN95, DLL19, DJL94, Fan92, FSS3, GNO2, Ha88, HS91, HXL16, Ibr00, JovD84, Lee91, Li94, LLZ13, LLL122, MSZ04, Mia93a, Nab98, NP80, NS92, RP22, vD96, Ber12, Den14, DK21, DK22, JovD85, LOC22, MRT16, NS93, yT86, WD17, Zhu19, ZCP18]. $M_{1,1}(E)$ [NT22]. $M_{2,A,B}$ [BM22a]. $M_n()$ [Fos05b]. $M_X$ [CIP17].
Matn(K) [dB16]. $F_2$ [BS13, SLH16, SLH18, SL21]. $F_3$ [BS13]. $GL_1$
[TS21]. $GL_2$ [TS21]. $GL_3$ [TS21]. $Z$ [Ger04]. $L$ [Tur18]. $Q$ [Tur18]. $\mathbb{F}_2 \otimes [SZ19]. f_{\mathbb{F}_2}$ [CdSS17]. $f_{\mathbb{F}_2}(\mathbb{C})$ [MS08]. $m \times n + (m - 1)N$ [SMS15]. $\mu$
[Dia90a, dF05, fD19]. $N$ [Shr90, AS20a, An18b, Are22, BL10, BGLZ18, Bed11, CKS19, CLX22, CR18, Cha79a, CQ22, Chi78, Elg22, E015, GLOT13, GR10, HMK22, HW75, JO23, K16, L13, LDL17, MCL20, MP19, MS21a, 3]

03081087.2015.1020746 [Ano16c]. 03081087.2015.1107020 [Ano16b].
1 [LPH17]. 1-inverse [LPH17]. 10.1080 [Ano16b, Ano16c].
10.1080/03081087.2015.1020746 [Ano16c].

2-layered [Nie22a]. 2-linear [DIJ23]. 2-Local [AKY21, SYZ22, AAUN22].

3-tensors [LPZ13, SMS21].

6 [TT78]. 63 [Ano16c]. 64 [Ano16b, Slo18b]. 65 [Slo18a]. 67 [HJ19a].

7 [Ano79b].

= [Tia21].

a-Weyl [BZ22a]. A. [Mar76, TR21]. abelian
[CKR18, CRK21, CCS98, ES76b, MN80, MP13b, Nir11, Odo83, RC18,
STME10, SZ19, WL16a, WL16b, WW20b, BF96, Tow22].

Absolute [Fie90a, KP02, DH17, Jam95, MQ21, ST73, SA10, Tag12, TH18, ZLI23].
absolutely [MSS18, PSS15]. absorption [BS18b, LZ23].

Accelerated [BLX18]. Accretive
[BJ75, BKS21, JK22, JKL22, KS19b, LS17, ML21b, RQ22].

accurative-dissipative [JK22, KS19b, ML21b]. accurate
[DOP22, MS21b, SM21, Uhl14, Uhl20]. achievements [Abd20]. achieving
[GWW20]. acting [Fri97, KMEO12]. action [Liu16b, Mer78b, Sta23].

actions [RP04]. acyclic
[AEcF13a, AEcF13b, APEPPS23, DdF15, KS09, Moh16b, dF13].

Addendum [TvE20a, JR93a, Ric87a, Bal76]. adding [LY22c]. addition
[EL09, LS96a, LS96b, NC22, SS22, WTD22]. additions [LLS16, NS93].

Additive [BHD10, BLZ11, Che14a, CK19, DBH07, FLS88, Gha12, JQ15,
Kuz05, LP02, OK07, Pet97, ST22, Tag12, TZ06, XCC99, XPY16, XL17,
Zha04b, ZS05, ZCWI12, AGV19, AS15, CdS03, Cho10, CW22, CL21, Fin92,
Gar23, MO13, Men22, SMi83, mWyD11, YZ13]. Additivity
[DW12b, QH11, AA12, Gro99, Har81b, Tia05a]. adic [KV22, Kal22].

Adjacency [Hua10, Lim10, BR14, But10b, DFPS23, GB22, HA22, JS22,
KP22, KFR17, KFR20, LY22b, MKS22, Sah21, WMFW21]. Adjacent
[DJK08, CW93]. adjacent
[AA20, CGY13, CLK16, CK20, DRW93, DK22, FJS14, HH16, HX21, Kyr08,
LLMT05, LT13, Moo95, ST19, TZ06, Tan13b, XS18]. adjointable [FMZX22].

adjointness [FS19, Kit91b, Sin84a, WW20b]. Adjoin
[Mar75, Rao18, BT22b, ER81]. adjugate [Sin82a, dCdSA22]. adjusted
[MH12]. Adjustment [Har95]. admissibility [BV16b]. admissible [Aze99].
admitting [Gar75b, MID17]. advances [Mer79c]. affects [Har81a]. affine
affine-Virasoro [CY22a]. afforded [Mer78b]. after [WW20a]. Aitken [Min74c]. alced [dSP16b]. Alexander [Min74c]. Algebra [DS02a, HJ19a, Mac09, Sk018a, Sk018b, SK03, Aln11, BPS00, Bed11, BLZ11, BV92, Bt1, BS18c, BS18d, Bt20, Car88, Car90, Cha09a, CKLP13, CY22a, CHS22, CZ23, CWSZ17, CSY18, Chi22, DK11, De 82b, Din15b, FGK23, FW73, Gai77, GPW22, Ghi22, GG22b, Gor83, GR10, GPK94, GV87, Gu88, ICR12, Jae79, KS15, LY22a, LK23, LCL13, LS22a, Lip96, LZ12, LGB17, LGG19, LW20, Mag22, MS85a, Ma’15b, Mer92, OWX09, Pat’86, Pow88, Prz92, TZ91, TS19, UC21, WC90, Wai79a, WOY06, IWPW14, WLZ22, WT23, Yam18, Yao22, YWO07, YH22, ZT12, ZWW10, ZAK22, ZW14, dbS00, Ano79b, Ano16b, Ano16c, TT78, MT84]. Algebraic [ASZ02, BJ96, BP98a, CIRW21, FKP03, Gur97, KN97, KP02, LCTZ18, Mil22, Pat86, Tho90, WOW09, Wu05, ZD85, AA21b, BLP12, Bar07, Bar12, BB22, Bén10, BGLSSS20, CK84, D119, DU21, Epk89a, FN14, Fie90a, FA22, GZY18, GL97, Haw05, HSX16, KS19a, KK22b, SF98, Kir00, KMN91, KN04, Koi21, KN81, LRR87, Lim92b, LGB17, MG22, Ma’15b, New85a, NF19, PT10, Pie92c, Put82a, Put82b, TJ16, W022, XSL15, YSZW22]. Algebraically [Had83]. Algebras [Boz97, Bre15, Che03a, D804, Fin92, Kay17, KT21, LR17, Luk74, MS02, Poz22, ST15, ARH15, AF11a, AF11b, AF12, ACO21, AM15, AN14, AS20a, AAS82, Ake83, AAB15, AELPM18, AGV19, AG19, AH13, AXH15, AC21, AG18, AAA22, ABM22, ALPM20, AOKOZ20, AKY21, AK21, AUN22, Bah22, BHD10, BL10, BHD11, BWLL12, BD12, BW15, BCZ22, BB21, Bal23, Bed10, BX11, BBK22, BBBS09, BR10, BB17b, BBRX20, BM15, BRL22, Ben15, Ben22, BCS14, BCS18, BM14, BSL18a, BDV19, BB14, BG16, BH13, BH16, BM17b, BM18b, BTVO7, Bre14, BE20, Bze16, BS22d, BH15b, BL11, BF212, BF18, Bun94, CMR20, CMR21, Caf13, CR15, aCC17, CGNT13, CKK19, COK22a, CPS22, CSG22, CV94]. algebras [CLOK13, CR18, CRK21, Cen11, CC19, CW11b, CX12, CW12, CS21a, CY22b, CS22, CZ22, CZ23, CW23, Ch178, Cho10, CJW19, CAP20, CAP22, CIDK07, DM17, DM20, Di 88, DKS09, Dok73, DR18, Dra22a, Dre93, DW12b, DW16, Egg95, EM15, EKO14, EL21, EPR16a, EPR16b, Far93b, FJK14, FZ17, FTSN22, FdM18, FA19, GLOT13, GP14, Gha12, Gha13, GMV18, GS95, Go107, GT11, GJ22, Gow22, Gra10, Gra11, Gur80, HK16a, HE20, HKP23, Hif76, Hon19, Hon22, HFS15, Hon17, HQ18, Hu96, HLL18, HZXL15, IM18, Iop19, JP15a, JL22, JLZ22, JQS13, JQ15, JX13, Joh22, JN22, JOZ2, K166, K757, KKL20, KKL21, KP16, KPVP18, KPS19, KK22b, KLO14, K123, KZN22, Kovo7, KLO19, Lfs80, La84, Law19, LZ09, Lee15, LS16, LB11].

algebras [LPS13, LF13, LLF14, LWXF15, Lim77, Lim92c, LJ11, LZ13, LCL14, Liu15, Liu16, Liu16a, LL18, Liu22a, Lud19, Lud21a, Lud21b, LBV13, LT22b, MJ07, MDW11, ML12, MPGS21, MM92, MM05, MR2, MHA17, MW21, Mil15, Mit10, MRS10, Mos21a, NTW23, NR23, Nas74, Ng14, Ng22, NZK21, Nir11, NJP19, Oi20, ORT15, Pan22, Pat96, PZGL22, Per17.
Per15, Per19, PW78, dSPdS22, Poo17, PRA22, PV20, QM21, QH11, Q15, RH11a, RH11b, Reg93, RC22, RZ17, RE22, Rom89, SV14, SH21, SDVWT16, SMTE10, SN22a, SX15, Shi18, Sin21, SL15, Spi04, ST99, Tag12, TRD16, TH18, TKT19, Tan18c, TWK22, TJG22, Tho92c, Tow22, TNR22, Vol22, WOY06, WXH08, WOW09, WY11, WJ16, Wan16d, Wan18, WLB19, Wan19c, Wan20, WX12, XWF15, YD14, YZ13, YF18, YZ20]. algebras

[Yan21, YW10, YH22, Zha97, Zha15c, ZL15, Zha16a, Zha21, ZWZ10, dTS20, vWZ19, LS21, Ano22b]. alg`ebres

[MM92]. algorithm

[AAB17, DCLW19, FTA20, Fog73, GTLN18, Gre99, HKT15, HRT15, HM20, KV22, fLLyP15, LLC21, LLV18, Mum86b, TT15, Uhl13, XJW17, ZZT23, vD96]. Algorithmic

[CSG22]. algorithms

[Blo95, CW90, Che95a, HM18, Kul22, Mum86c, Stu92, WX19]. all-derivable

[LPS13, ZXL16]. allow

[FHL +13, GGH22, LHB +15]. Almost

[BP19, Rum97, CS19, GdSV16, ND05, PR12, WHG17, Zel75]. almost-commuting [Zel75]. alone [De 82b]. along

[BB17b, Sza09, WM21, ZCP16, ZPCZ16, ZCP17]. alternate [Kuz05]. Alternating [Bri89, KM17, BS07, FH217, GQ06, Hor04, KKS22, MN13, Mis17, Rei75, WZY22]. Alternative

[ST80, Bar07, Car20, Mel10, Mel18, Vei83a]. alternatives [Roh04]. Aluthge

[And04, CM19, DKY22, JLL07, KKY22, RS08b]. AM [Bak16]. AM-GM

[Bak16]. Ando

[DIJ23, KD23, Tan10, TLL11, TLC16, XL11]. Analog

[Mia93a, CH87, Foa79]. analogous [CW91]. Analogs

[Kyr08, HINS10, Ter22b, WW76]. Analogue [Bed11, KA19, NSW21]. analogues [Ari16, CM19, DKY22, JLL07, KKY22, RS08b]. AM [Bak16]. AM-GM

[Bak16]. Antiderivations

[BL21, Hua10, LB19, RC22]. Announcement [Tho90]. answer [GR14]. Answers

[BHM76]. Anti

[BFJ12, AF11a, AF11b, AF12, AHJ20, AHJ21, AAB17, BGM22, BSZW13, Haj18, HA22, HS12, HK12, LK21, LK23, LLO9, LL10a, PSB23, XSH18]. anti-

[AAB17, LL10a]. anti-automorphic [LK21]. Anti-automorphisms

[BFJ12, LK23]. anti-involution [AF11a, AF11b, AF12]. anti-Loewner

[HS12]. anti-reciprocal [AHJ20, AHJ21, BGM22, HA22, PSB23]. anti-reflexive [Haj18]. anti-symmetric [LLL09]. anti-triangular

[BSZW13, XSH18]. Anticommutative [Vol22]. anticommutator

[DWCD19]. anticommuting [It616]. Antiderivations [Lim77]. antidiagonal [AVL00]. anti-invariant [Tam98]. antilinear [HL21]. Antinorms [Pro22]. antiregular [BZ00]. antisymmetry [Pat95]. any

[BL21, Hua10, LB19, RC22]. Anzahl [GL16]. AOR [CL21]. Appell
Applications

Approximations

Arbitrary
Biorthogonal [CJ12]. bipartite
[BP16, BS93, GLS16, KS22a, KS23, LZ11b, Lu22, MR19, Obo16, PGLM00, SSF15, zSqSZ16, WH17, YHS13, ZG08, dLMO17]. bipermanents [Cla82].

bicayley [LM85, Ota13, Wim88]. Bhatia [KKS21]. BHH [Ikr15a]. bi
[aab17, BB17a, GB90, LM85, Ota13, Wim88]. Bezout [SK15a, SK15b, WY18].
Bezoutian [CK84, GB90, LM85, Ota13, Wim88]. Beurling [HLP23]. beyond [BS22d, GLS13]. Bezout [SK15a, SK15b, WY18].

Bicommutants [Mag13, Mag14]. bicommutative [BCZ22]. Bicommuting [Dra17b]. biconnected [Ste94a]. Bicyclic
[hou01, FTZ08, FDD14, LW22a, Nat13, Tan12, TL13, XYH22]. bidegree [Bel15]. Biderivations [CC19, CY22b, CWSZ17, CSY18, Tan18c, TZ19b, Wan16b, WT23, CCC21, CW23, FD17, LS22a]. bideterminant [ySpW17].

bilinear [MR75, Bre14, COK22, CL80, GQ06, HMN91, IKR12, JSY14, MS82a, RS85, Ruc89, Sai21, Wag87]. Bilocal [KZN22, NZK21]. bimodules [SDVWT16].

bijection [HS17]. Bijective [Blo95, Rem82, Shc21, Slo13a, WZC11, Bay22, CW16, Hua10, RW84, Rem90, RS06, RS06a]. Bilinear
[MR75, Bre14, 10, 22, CL80, GQ06, HMN91, IKR12, JSY14, MS82a, RS85, Ruc89, Sai21, Wag87]. Bilocal [KZN22, NZK21]. bimodules [SDVWT16].

bilinear [MR75, Bre14, COK22, CL80, GQ06, HMN91, IKR12, JSY14, MS82a, RS85, Ruc89, Sai21, Wag87]. Bilocal [KZN22, NZK21]. bimodules [SDVWT16].
JN00, KM19, Kit91b, LT88a, LT90a, LP93, LLWX17, Lim15, Lon83, LSZ86, MS83, MS03, MS79, MHA17, MO13, MGA17, MM76, MSS18, Mou13, Ota13, Pat77, Pat89, Raj09, RA21, Rho94, RF19b, Tom19, WHX08, Wea83, vR11.

Cesáro [Geh15, RF19a, Roo20].

CFI [DC23].


change [BCdHP10, Har81a, JLDS12, TLC22, TJ21]. channels [Ter22b].

chaotic [FJK98].

Chapter [BLP92, LT92b, LT92c, LT92d, Lim92a, Loe92, McD92a, Pie92c, Pie92b].

change [BCdHP10, Har81a, JLDS12, TLC22, TJ21]. channels [Ter22b].

chaotic [FJK98].

Chapter [BLP92, LT92b, LT92c, LT92d, Lim92a, Loe92, McD92a, Pie92c, Pie92b].

character [DF87, FJK14, Fon89, HT91a, SS98]. characterisation [BKS12, La84]. Characteristic [Ben74, BH74, Fit94, GB77, Ger04, KNS96, KL92, Mir81, Nom73, Ric81, SL95, Tre87, AFJK17, Ami80, BS15a, BP98a, BG79, CNW18, DP09, DM19, Ful76, GMZ11, Hai88b, HZ21, Li84, Lit17, MR18, Nor95, Nor08, Pat07, Prz92, RC22, Wad85, WW12, Yao22, Zim98, dO75]. characteristics [Ab20, AHK92, HS89, KS91, Koh11, MMRR16]. Characterization [AH13, BP12, CMR20, CSS21, FJK98, Geh15, HDJT97, HOT15, Liu16b, MPD22, MDP22, MB22a, Sed11, Sem97, WM17, AAS14, AXH15, Ben78, BS15b, Cha77, Dom73, Dom14, FA19, HH89, HLZ11, JK10, Kir04, KL21b, KKL18, Koh11, LM95, LH13, MH16, MS83, MHA17, McD82, NP80, Nik22, Pan15, SPMR20, Sel81, Sbr90, Ste94b, TL13, TG09, TWZ16, WSH11, WBZ14, WW15, Yua98, ZB13].

Characterizations [AH10, An18b, BT08a, De 78, DOP22, FLT20, FdSV16, FXY22, GW20, HHL18, JQ513, KCSC21, LJ21, L95, L71a, LC18a, ML21a, Ma22a, Pan13, Ruc89, SRW07, SZWB16, WL15, WZD16, W94, YZ13, ZXL16, ZP19, ZCP18, BJ96, BM18b, CWF23, CM22, Die84, ES98b, FZ21, GZZF23, Iop19, LST89, SS15, IWW15, XCM20, ZWL15, Zha18, ZIC22].

Characterizing [EMSO2].

Characterizing [GKT97, Joh11, L14a, Qi15].

Characters [Leh76, Nie22a, BG79, Bri89, Fon92, Hol04, HK16b, Hua90, Kim91, Mer78b, Mer83b, Mit10, Pat93, Reg87a, Sil84, Sta84, Zha21].

Characters [Ano79b].

Chebyshev [Ma15b].

checking [RR95].

characteristic [Pan20].

Choi [KMN22].

Choices [AP74].

Cholesky [DO20, FS22].

chordal [JL93].

chordality [BJ96].

chromatic [SD20].

circle [BL21, Dat80, LB19, Tho92c].

circles [SX23].

circuit [DP98].

circuits [Mer83b].

Circulant [GN20, Sjo93, Wat85a, BSA17, Bon02, BKMMG22, BT15, BH20, CH22b, DPR17, FL18, GKS01, HFSZ22, MSS19, Mou22, Pa21, XJW17, ZQZ21].

Circulant-style [Wat85a].

circuit [Wat85a].

circulants [GW20].

Circular [BJZ13, WW16, TUR16, CL13].

Circularity [Tam94].

Clarkson [Kan87].

Class [AJJ20, Ber02, BR04, CL22b, MSZ04, jAS21, BK21, BL10, BH23, Bas19, Bea3a, Bea83b, Bea84, BR01, BM89, BZZ11, Cha78, Cha96, Cla92, CFP21, DD10, DRY22, DS09, DUL14, E195, ES76a, Fal97, FNBR96, GMW86, Hon22, HM76, HM78, HM22, IOMA21, Joh22, JN22, JP86, Jun88, KM19, KM17,
LT93, Luo19, MRT16, MC82, Mer82, Mou13, PSMA16, Pal21, Phu80, PSB23, Pok87, Rei75, Sed11, SGS05, Sol80, WG91a, Wat82, WY18, Xio23, XW22c.

Classes [GK02, MR74, ARH15, Ano22a, BS18d, CT22, CL86a, CL86b, DP00, DF95, FJM00, Fie95, GCSC20, Hi76, HT92, HK13, HK16b, Hon99, KSMR16, KCRB87, KS76, Kur04, Lim76a, Lim76b, Lim82, Lim90b, MS08, MS83, MS83, MC86, MH20, MM76, Mer78c, Mer79c, Mos20, ND05, Pop14, RH11b, Rob77b, RC18, Sil88c, Sil90, Sil93, SS96, SMM22, yT86, Tau81, Tra89, Tra90, WG91b, XHL23, Zho16, ZPG22].

Classical [GK02, MR74, ARH15, Ano22a, BS18d, CT22, CL86a, CL86b, DP00, DF95, FJM00, Fie95, GCSC20, Hi76, HT92, HK13, HK16b, Hon99, KSMR16, KCRB87, KS76, Kur04, Lim76a, Lim76b, Lim82, Lim90b, MS08, MS83, MS83, MC86, MH20, MM76, Mer78c, Mer79c, Mos20, ND05, Pop14, RH11b, Rob77b, RC18, Sil88c, Sil90, Sil93, SS96, SMM22, yT86, Tau81, Tra89, Tra90, WG91b, XHL23, Zho16, ZPG22].

Classification [CLOK13, Dok83, GR93b, Hai88a, Hai92a, JST18, Kar90, LR74, MR17, NR23, RH11a, Rom89, Shi18, Tia21, TJ21, COK20, COK22, CF15, GKO22, Hai97, KK22b, Koo95, Lia80, MC19, Sol80, SLH16, SLH18, dIP20].

Classifying [BDV19].

Cleavages [dIP09].

Clifford [AF11a, AF11b, AF12, Ang00, Chi78, GR93a, LS16, Per19, PV20, Shi18, SL15].

Cline [Mos15].

clique [LL15].

cliques [AS11b].

close [KK16].

Closed [BN22, BSA17, AL22, HS83c, Li92, LD19, LP22c, LP22b, Mtk20, PY82, RAN22, Wat85a, Zha14b].

Closedness [CLP22, LP22b, LD17, SXR18].

Closure [BDV19].

Clovers [WW15].

clusters [LY22c].
Wan79, WW01, Wil73, BM19b. combined [BGGS17]. Comment [Gro96].
comments [TT78]. Common [BDK+05, GKL82, KD23, Son14, Bar80, BKS12, DMdO92, JP15b, JN90b, TT06, Wil87, WX22a, Zha04c].
commutant [BBEL18, JS94]. Commutation [XHL20]. commutative
[Bas17, Bas19, CL22a, CZ23, Coa99, CAP20, DM18, DO20, FLT20, Fre76, Gar21, Gus81, KK22a, KT19, LCL13, LL10a, ILpW16, Mar12, Mas10, OWX09, ySpW17, ySpWQ21, SM19, Son22, SZ19, Tan13a, Tan18a, Tan20a, TKS19, Tia11a, Tia11c, WOY06, WZL13, Wat85b, YLW22, YW05, YWO07, ZW10, dTS20]. commutatively [AL22]. Commutativity
[DS04, JR93a, JR93b, Kun99, BS92, CY22b, DK16, Fos05b, GR93c, HQ18, JQ15, LL11, Liu15, MS10a, Mol09, Pet97, QH17, Slo16a, WZL13].
Commutativity-preserving [Kun99, CY22b]. commutator
[BLR12, Fei79, GPR84, Gur79, GL83, MW74a, Nof15, Ob12]. Commutators [RR02, Sni76, BKL97, BH15a, CLR81, DP18, Est80, GG22a, Gil17, HS17, Hou22, KL12, MS95, OR09, Rob77a, Sha1a, Slo13a, WZC11].
commute [Ric81, Tur02, BT08b, HS83a, KE82, Sin76b]. Commuting
[CK20, CW22, Dra13b, Fra13, SB03, BD22a, AL21, BH90, Bea78, BCM18, CM19, CC19, CW23, CWS17, CY18, CKL16, CK20, CL21, Cos21, DKY22, EGMS22, Fra17, GJR22, Gur92, KT21, KKY22, MS10b, TC13, UP016, Wad90, Wan79, Wat77, Zel75].
comonads [EGT16]. commorphic [Bre21].
Compact [DC20, DH17, Kan16, Kit91b, MT11, Pep11, RRN23, Rao18, Ruc89, Tam97, XS18]. companion
[BT90, CC21, ERS12, LC20, MR12, Mel19, PH97, dPN81]. compared
[Neu74]. comparison [BS92, Blo95]. Comparisons [JM13].
comparamental [GOS22]. compatibility [RST22]. compatible [dSP16b].
Competition [JKY23]. Complement [Zha04a, AA21b, BT06, CPHL17, GAMA23, LM98, Neu81, PRS03, SL95, ZJC+22]. complementable [GS20a]. complementarity
[CL21, DN18, GL18, JDD21, LZ16, Li21a, LLV18, MM06, MN06, MB22a, ND13, SC21, WS18, Wan22a, Wer86, WL16c, WZY22, ZVL18, ZV19].
Complementary [BM15a, FS14, MF20b, Sta20]. complemented [ACO21].
Complements [Nie10, Bap88, BS18b, Bru79b, CS95, FJ15, Gib92, LHZ22, PV23, ySpW22, Sni83, WZ97, YLW22]. completable [JJK95].
Completable [YD14]. Complete
[GS95, JN14a, TL13, ADHM19, EM95, HZ11, HWZ18a, HJ77, IS16, Obo16, SPMR20, Shr90, Tan13b, WOW09, ZWL15]. Completely [AKS18, DL94, AG15, BSM98, DJ98, GP22b, HJ19a, HJ19b, HJ20b, HH14, JP15b, Koo95, Lei95b, LP11, MP16b, PV20, SM22a, SBMP16, Stu89, SL17, ZK16, Zha20b].
Completeness [Den05, LBV13, IS15]. Completion [CM19, DS22a, BC05, BZ90, dAB21, BR01, BS18c, CKP16, Cao19, CKY23, CP18, CP21, Der16, Der18, DS22b, DJ98, DJK08, DCLW19, Esh22b, JJK95, JN14a, JTU00].

Completions
[CM19, LS21a, CKGP21, GKV89, GRSW92, JR84, JW91, Woe93, Woe97]. Complex [Ano79b, Bal78, CKGP21, CN04, ETM22, JKS79, KFR17, LPX23,
[Kit81, Wan07, ABGP21, AYT83, BMD87, BD96, Bri89, Bur11, Cha89, Chau8a, Cha84b, DJ89a, EM95, EF98, Esh17, Fie84, For79c, Fri78, Fri82a, Gib87, Gou13, Gun15, GLS13, HS93b, Hu87, Hu94, HL10, Jia92, KM84, Koo95, KMH19, Law19, Lon80, Lon81, ML12, Mal89, MR07, Min74d, Min82b, Moh15, NT94, Obo22, PS22, Pat89, Pat93, Rad80, Ric85, Ric87a, Rub89, SYZL17, Si84, Sin81b, Tam86, Wan77, Wri93, Yu96, Zou12, dF05].


Connected [BB19b, KS17a, RP90, ABP22, ACMR17, BH20, LS22b, LOO22, MT11, Put82a, Put82b, SS23, SSW15, SHS17, XZW22, YSZW22, ZZZZ3, ZW17b].

Connectedness [MT11]. connection [KP14b, Lon73, MZ17, MP98, MA15c, ZG08]. Connections [Wal79a].

Connectivity [FKP03, KP02, ZG11, AA21b, AL21, BP89a, BLW12, DL20, FH27, Fie09a, GZY18, KS19a, KN97, KF98, Kir00, KMN01, KN04, LCC17, LS21a, Vo83c, Wu05, YSZW22]. consequences [GT11]. conservative [Dag23, Ilk20]. considerations [AdF21]. consistency [FHW16, IY19].

consistent [Gib89, Shi87]. consisting [TL12, WC22b, ZWW10].

constacyclic [CHFC19]. Constancy [Bal79a]. constant [BF75, CD22, FV97, Fre76, GLR82, KS93, Kut19, LSOvdD95, MH19, Wes90].

constants [CL14, Che95b, Gol87, JRMFMASS16, Ma15b, MFPSS12, NASI19]. constrained [KD23, LMF94a, LW10, Nak95, Papi13, SW22, WY21].

constraint [HM22, fLLyP15, ZHZ11, Zha22].

Construct [GLL21, CG17, Slo14a]. constructed [COK19, LF16].

Constructing [BBCD21, GPM14, LV18, LF15, Sou83, WCSS21, Wri22a, MMG15].

Construction [Ber86, Far22, HK16a, JW22, KW92, KW93, Mai11, MC80, SDVWT16, Smi05, Son22, Sun15, Wal75b, WW80, Bha93, CSG22, CC17b, CPK22, Far93b, Foa79, GZW20, HUm83, J508, JSW09, KP22, TT74, TZ21, Zhu22].

Constructions [BW15, FZ21, MTR11]. Constructive [Cro18, DP98]. contact [Zus22]. contain [Bas17]. containing [Che22a, HW75, Pat84].

contents [Ano92g]. context [Boa19, BDVW12]. continuation [CNW21]. continued [CR22b]. Continuity [Can80, CJK13, GCP21, Mey15, BB20, CP13, LLS14, LLS16].

Continuous [LP16, Poo17, Slo19, TS21, ADRP14, BMFPBS21, CHZ22, FZ21, GT08, HF18, JK10]. contract [BVW84].

contracts [FH89, Grz91, HS83b, MPD22, WZD16]. Contractive [CKKY23, XXZ11].

control [BL80, CF15, DHKSH08, DHKS16, Har94, Igl99, Lia80, ShDHG08]. Controllability [FKS22, JTU00, Si95]. controlled [SA21].

conventional [HJ87, JN90b]. Convergence [Doo16, Haj18, NST89, Szw18, BB14, BBM20,
Convergent [CP81, SES21, YZH19]. Converse [JN90b, NS18]. Converses [Mar76, SV14]. Conversion [CA03, CD98]. Convertible [Ber12, CD01, HK92, HKS95, Kim97, KS83]. Convex [Ano04, ES08b, ES00, EMS02, Fri81, GP22a, JT95, AHK19, Anj17, AA12, Bar78, BPD88, CHe17, DW92, DV18, For88, Fri84, Gil12, IOMAN21, IK22, JK22, KJF23, KD16, Li86, Li87a, LST89, LT89a, Li98, MM90, Poo94, Prz92, SSZ93, Tho75a, Tho75b, TI77, TT18, Woe08, dIP20]. Convexity [Hwa91, LP22c, ST96, AY84, Dra21b, IK20, KMRS99, Lék19, Li96, Man87, MFS22, NY23, SP87, Sm20, Tam97], convolutional [GY22, La 19].


Correction [Ano20a, Ano20b, Ano22a, Cal99, Dok93, Tra90, CL1+21, WS16b]. Corrections [KNX95, LLS16, NS93]. corrector [Chu84b]. correlated [Sma17, TJ16]. Correlation [JT04, Pat03a, PV20, Dat16, Lov21]. correspondence [Foa79, Wat86]. corresponding [Ben10, CL86a, CL86b, FD14, Har81a, Kyr08, Kyr11, LD19, SLUG04]. Corrigendum [Ano17, Ano22b, Bou14b, BM19b, HJ19a, KFR20, Rai14a, Slo18a, Slo18b, SLH18]. cosets [Hol04, Ner22]. cospectral [BB19b, BDC21, But10b, CDG23, HS95, KP22, IV18, Sta22]. Cospectrality [Obo16, Tur18]. Cosquares [Bal78, Bal79c, Rad80].


Critical [Cal97, Cal99, Gei78, KOvDD09, AVVA18, DLL19, DH16, HJP17, MNS22]. cross [Dat16, Joh14, ZHH09]. crossed [NY21]. crown [Mir23]. cryptology


Degenerations [AAA22, KPPV18, AH20, Ano22b]. Degree [FdM18, Yiz03, dFSY22, BZ00, BM89, Cal94, Cal97, Cal99, CD22, Cha77, Cha79a, CPLH17, DTSI15, Ere15, FA22, Gro95, HLYZ22, HLB22, HW75, HLP23, LLP18, LLL18, Mar90, MP73, Mer78c, Mes13, O’R15, zSqSZ16, Wan22b, WY20]. Degree-inverting [FdM18, dFSY22]. Degrees [HS87, MZ17]. delay [CW17]. delayed [DHKS16]. delete [BVW84]. delete-contract [BVW84]. deleted [LS09, ZWL15]. deletion [TLC22]. delta [HMK22]. Demicompact

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AC21, Gha12, JL12, LPS13, LF13, Wan17a, Zha16a, ZW14, ZXL16]. derivation [Bah22, Bou06, Hou17, MS87, WHX08]. Derivations [AC21, Che03a, GPW22, Lim92c, LT22a, RC22, Vla22, Vla23, WOY06, WT23, YW10, AADD18, AH10, AH13, AXH15, AWM22, AA20, AKOZ20, AKY21, AK21, AAUN22, Ben07, Ben15, Ben16, Ben22, Bre16, CMR20, Cal94, CGOT13, CX12, CZZ22, CQ22, Da 94, DD15, DS23a, EPR16a, EPR16b, FZ17, FA19, Gog21, Hon22, JIZL2, JQS13, KP16, Khr16, KZN22, LWZ15, Lec16, LCL13, LZ11a, LW11a, LB11, LLF14, LL10a, Lin21, LL11, LCL14, Lii16a, Lii17, Lii18, Lii19, Lon76, Lud19, MJ07, Mag13, Mag14, MW74b, MA75, NZK21, Qi15, QZ16, ST99, TRD16, WY11, Wan18, Wan20, XW12, YZ13, YF18, Yau21, Yao22, BD22a, YH22, ZW10]. Derivative [Tur02, Chu22, Dec74, DM87, MS81, Ovd77]. derivatives [Car20, KE82, Ve1i82c, WZ23]. derived

[CHFC19, EB17, HS91, Ilk20, NJP19, Ogu20, SK15b]. described [Gon17]. Description [AA20, AAUN22, GMZ11, AC23, Bal18, Hil07a, Hil11, Li92]. descriptions [XHL23]. Design [Chu84b, PS22, WM84]. Designs [GK02, NW02, CPKK22, Der83, GGW76, LN10, Sma17]. detection [Kar90]. Determinant [CD03, Nag17, BS15b, BM10, Cal91, CK20, DM22a, FV97, FLR85, Han19, HS96, Hon91, JOTvdD94, Kua18, KAE22, Lan81, LSOvd95, Lim79b, Lit17, LC83, Mr982, Min77, QK92, Rou98, Ve1i82a, Wen06]. Determinantal [BJ94, CNUV16, Kyr11, Kyr21, YW09, AdF21, BP98b, BM18a, BP18, Drui14, DL14, DdF22b, HL84, Hon92, Hon93, Li92, LZ17b, Lon97, New79, New82a, Ve1i83a, YLC19b, dC13, dC15, dC18]. Determinants [BT15, HKP23, HZ11, KSS2c, LT12b, MN80, Mah82, New80a, PA94, Pri78, SvW14, TT12, Tan14, TTT8, WC22b, BMD87, Bla77, ES73, Est80, EW86, Gar75b, GZ82, Hon99, HH14, JNT96, LPS08, LM19, Loe87, MM22a, MS89, Min80b, Odo83,谩14, Sim83, Sto79, TX13, Tho75a, Ve1i82a, Ve1i82c, Ve1i82b, Ve1i83a, Ve1i83b, WW20b, dCDS22]. determination [CLX22]. determine [LL16b]. determined [Bre12b, BH15b, CSG22, CAP22, Gha13, Gra10, Gra11, LW22b, MDW11, MA15c]. Determining

[BMGM15, Kas85, Vo83a, AS12, MS90]. developable [BB13]. Developments [CD85]. Deza [AGH+22]. Diagonability [Tan20a]. Diagonal

[BGGG17, BD22b, CS18, DV19, Wan76, Ball79b, BBP78, BOvdD91, BK12, BC20, BS08, Bu95, DHS95, Dd12, DW23, FS89, GS21b, HH95, Hon91, Ilk15b, JR09, JLDS12, sL19b, Lee18, LM99, Lon90, Mir92, Moo76, Neu83, Pat82, Pok87, Pri78, SSGP23, Sha91, Sto79, TT78, WOY06, WC12, Zab89]. diagonalisability [Kob06]. diagonalizability [FHL+13]. Diagonalizable [Tur02, DGL22, KS16, Nie14, PG22, WW12]. Diagonalization
diagonalizations [Uhl79].
Diagonals [EM73, Pri87, BS08, Lás91, Web83].
diagonal [BCKP10, LMLL17, SC21].
Diagonals [EM73, Pif87, BS08, Lás91, Web83].
dialgebra [ZCY22].
dialgebras [BPSO12, FSFSO14, KV13, SDWVT16].
Diameter [JS16, Tsi83, CLN21, CJK22, GL11, GWW20, HLW+21, LP07, T11, VH95, WH11, XSW21].
diamond [Cir17, GLLM21, LPT14, YJ21].
diassociative [Bre17].
dickson [FSFSO14, Lud21a].
dicyclic [CFL22b, DP00].
dieudonné [BGLS07].
différon [BGLS07].
difference [DZ19, AHT85, Bal22a, BB19c, BB07, TJ11, VH95, WH11, XSW21].
differences [TX13, WC22b, WN22].
differentiability [BBX20].
differentiable [CFP10, MWLW22, Nom73].
Differential
[DU1, LGG19, BHY22, BB07, BZ11, Cam83, CW17, DTSI15, DDA20, Fin92, HSX16, Lon76, NS99, NT91, PZGL22, Wit11, WW20b, XSL15].
differentiation [CP22, ZIC22, Bén10, SS22].
differentiable [CFP10, MWLW22, Nom73].

digit [JT23].
digital [Chu84b, Stö79].
digraph [BBZ15, DK17, KKS22, LM10, MS21, SZWB16].
Digraphs [AVVA18, BP90, BP16, BR19, BPR20, CRW21, CR22a, CJY22, CFGM06, DM22b, FKC19, GB22, GM21, KP12, KS22b, KFR17, LM10, PR08, Rad12, Sah21, SWI22, SGS05, SG09a, SG09b, SG12, XSG21, XSW21, KFR20].
Dihedral [Ano16c, BS18d, Ous15b, OS18, CF21, CP15, CNW18, CFL+22b, HK13, LCXC22, LCWW22, WC22a].
dilation [GW98a, JE21, LM22].
dilates [CL00, GC22].
dilute [Din15a].
Dimension
[ASZ02, Gra80, How80, Lim00, AS20a, BCZ22, BM14, BM16, Cen11, CL86a, CL86b, CR77, Con77, GPK94, Joh22, LHS+21, MM09, MN13, NKP19, OWZ21, Pam87, Rob75, Rom89, TH14, Tow93, ZCY22].
Dimensions [DvE20b, MR74, BMFPBSS21, Cas91, DBG18, Jon78, MO91, MM76, WL16a, WL16b, DvE20a].
dir [Hil76].
Dimensions [DvE20b, MR74, BMFPBSS21, Cas91, DBG18, Jon78, MO91, MM76, WL16a, WL16b, DvE20a].
dime [Minn80a].
dément [BC06].
direct [BHZ10, Fow80, Gof92, Hol84, Hol85, HLYZ22, JC22a, KLO14, KL13, LW10, RC18, T092c, XY22].
directed
[BBG22c, Brum2, GH32, Guz88, JKCC22, Kir14, Lee98, WN05, Q196a].
direction [KM17].
directional [RS23].
directions [Abd20].
disaggregation [HUIZ17].
disc [CPLH17].
Discontinuous [GL01, Fri97].
Discrete
[DL22, Die84, Elo18, FN14, GMZ17, Gue19, HMO11, HM22, KW89, KK18, LRR87, LRD21, IWY19].
discrete-time [Gue19].
Discriminant
[Pie79].
Discriminants [Wad85, Edw80].
discs [AK94, GW12].
discussion [Sch22].
Disjoint
[Bru79b, CT16, Tia11a, WH+11].
Displacement [Ma22b, Boz97]. Disproof [Gib87]. dissipative [JK22, KS19b, ML21b]. Distance [Aue95, BHD11, BCEM12, CFL+22b, DM22a, DM22b, HW08, LT89a, LLD17, LWL21, LW22a, LH21b, Rum97, Sha15, ZW17a, AAKS21, AW07, ABGP21, AAL20, AH16a, AKB21, Ave98, BBG22b, BBG22a, BS11, BK17, BS17a, CC14, CFGM06, Cos14, DFK19, DAH19, DMV18, DeV22, Dod13, DIF13, EGMS22, GB11, HS95, HLZ22, HS16, JJK95, KSU22, KLPK17, LS21a, LS12, LS13, LL15, LZ18, LZ19c, LT13, LXG17, LY22d, LHH18, MS89, MT22b, Mir23, Mon20, NP13, NC22, Pat07, PRAC22, PGAB22, RP90, Sch92b, SP87, TG09, WZ18, XSW21, XZ14, XZ16, XY22, XLS20, ZG11, ZBW16]. distance- [DFK19]. distance-2 [DFK19]. Distance-regular [BCEM12, HS95, Mou20]. distance-regularity [CFGM06]. distances [PP22, SWZB15]. distinct [AOTR11, CJ97, HL22, KLPK17, MTR19, Ota13, Ram22, SRK22, Ve82b, WW20a]. distributed [HFSZ22]. distributed-order [HFSZ22]. distribution [LN14, Sto79, Til98]. Distributions [FKR93, TL12]. distributive [CZY12, MPG82]. Divergence [KD16, Har22]. divergences [DDF22a]. Divided [TX13]. Divisibility [DK11, Tan10, TLL11, TLC16, Wit11, XL11, Zha14b, Hau12, LT12b, Tho88]. Division [RR04, BS22d, HWZ18a, Hua10, HS08a, TN122]. divisor [DJS21, HH14, Kri87, LT12b, OWZ21, PRAC22, RM22, Tan10, TLL11, TLC16, XL11, ZWM17b]. divisors [Bar80, BC91, CG19, DS16, GKL82, MW74b, McF79b, Mcf79a, MP73, Min82a, New79, New82a, Nor08, Tho86a]. Djordjević [ZZY16]. DMP [Zhu19, ZIC22]. DMP-inverse [ZIC22]. Do [MS10a, BT08b, Kuz05]. Dodgson [Bay22]. does [BPW16, BR22, Sta10]. doi [Ano16b, Ano16c]. Domain [TRM22, BJS98, Dix79, Ilk20]. domain-range [BJS98]. domains [BE22, BZ22b, HH22a, NST89, Wag87, Wei93, WY18, YW09]. Dominance [Chu90, GMW86, Hey88, JP87, MS12, Pat89]. dominant [BCKP10, CPLH17, Ghi22, Hve88, Lee94, LML17, Pri78, SC21, Sin77, TT78]. Dominated [Pop17, BPR14]. domination [AB22, WWS19, YWZ21]. Double [FL18, BF05, DLL19, DdF22b, JS94, Ner22, Sch95, SGM22, SH92, Tal17, YW10]. double-one [SH92]. double-zero [SH92]. doubling [HM81]. Doubly [AS95, CW93, Joh81a, Mer98b, Sin73, Sin76a, Sin77, Sin81a, SHC02, SJ02, Ach77, Ben78, Bru85, BS08, BD13b, BD22b, Bur95, CKP16, CK17, CCKL20, Cha83b, Cha84a, Cha88, CCW20, CL05, DJ98, Esh17, Esh22a, Esh22b, Fie90b, For79a, FS86, For88, FM78, Gib76, Gol92, HJP17, Hwa85, Hwa91, Joh73, Joh74a, JNS23, KS76, KS82, LM89, Mai91, MKS84a, MR07, Min75, Min82a, Min84, Mon04, MAM15, MA15c, NMB22, Phs80, Pif87, Sin76b, Sin80, Sin84a, Wal75a, Wan76, Web83, dF13]. doubly-stochastic [Web83]. downdating [FS22]. Drazin [Bos13, Boul3a, Bou18, BZ11, BSZ13, Cam80, Cam83, CS22, CICX09, CIP18, Cve18, CM22, DCI10, DD12, DK22, Gar23, HBM15, KW11, LPT13, Mos15, Mos21b, Pab22, Rom19, Rom21, Rom22b, SPM14, SKP15, SMK17, WMR16, Wei98, mWyD11, 24

dual-numbered [Gut22]. Dual [IKR12, BBX20, CDK20, De 08, DS23b, DLQ18, DF95, Din15a, GLL21, GC22, Gut22, LC18a, LCZW19, Man91, OP13, Oku93, PJ90, SX22].

dual-numbered [EBB18, LRD21]. Dual [LLT22, LD22], due [TLC22].

efficient [Sma17]. E-optimal [Sma17]. EA [HWL21]. each [BLP12].

E-temperature [CHA17]. E-temperature [CHA17]. E-temperature [CHA17].

eigenbases [Min82b]. eigenbases [Min82b]. eigenbases [Min82b].

eigenparameter-dependent [GMZ17]. eigenparameter-dependent [GMZ17].

eigenvalue [AKS21, Har78a, JSE90, MMRR16, 25].
eigenvalue-eigenvector [Har95]. Eigenvalue-free [AAKS21]. Eigenvalues [AHT85, AM85, And04, jAS21, BWF83, But10a, Cas91, FJM00, FIS06, GKV89, Gro95, HLP03, MS95, RM22, Rod02, Ter09, VH95, Wea83, AM13, ADHM19, AAGL22, AAD22, ABGP21, AS17, AB78, Ano79b, Ash16, AOTR11, BS21, BF05, BOvdD91, Ben90, BT07, CTW15, Cra09, Da 05, DFK19, Das04, DAH19, Deu80, DL22, DLJ23, DM79, DJ89b, DOL20, DZ22, Edw78, ELG88, EJ91, Exc93, FDLB20, FJ15, FWZ11, FS14, Fer10a, FW13, FS89, GAMA23, GR5W92, GJM86, GZ90, Gue91, GHK16, GZ22b, Ha89, Her83, HS93b, HUZ17, HL22, HW75, Ilm16, Jin17, JKB17, JKS79, JS08, JST22, Kir91, Kir09, KLPK17, KNX93, KNX95, KK16, LS10, LST23, LXQ21, Lea18, LL14a, LS21a, LCLL22, LSY22c, Liu18b, LH21, Mac09, MVPS14, MS89, MH19, MR07, Mer94]. eigenvalues [Mou13, NS99, Nie10, NTU93, PaF79, PGLM00, Ram22, SRK22, SU77, ST15, Si98a, Si93, Si99, SD20, Ter01, Ter06, Tho74, TL12, WW20a, XZS19, XLS20, dLMO17, dOMD77]. Eigenvector [RP90, Che81a, CPZ17, Har81a, Har95, Hav88, Kul22]. Eigenvectors [BD14, AM13, AGM13, BWF83, BDK05, CT21, ER81, Fan88, FJS14, Fre76, GF10, HQ14, Lit17, Liu18b, MOvdD90, McD92b, Moh16a, Wea83]. Eigenwerte [SU77]. Eight [Tia10, Dok83]. eight-dimensional [Dok83]. Einstein [BM17a, BS22c, HM22, ILZjZ19, MCCW22, PM22, SBW16, XJS20]. elasticity [LCLL22]. element [BB17b, DHS59, Fer09, HW75, ZCP16, ZCP17]. Elementary [BC91, CL13, FL16a, Gau76, MW74b, McF79a, MP73, MS02, Pie85, Sed04, Ate95, Boa13, DS16, FSK23, For87, Gog21, Jam81, Joh81b, KKR12, Kri87, Li87b, LB21, MS82b, MKS85a, McF79b, Min76, Min82a, Nor08, Oge94, Sch22]. Elements [Ger04, BBS09, Boa13, BM17b, BM18b, Bre15, BS07, Cro18, Deu80, DK509, FA22, GG22a, Hon91, HK10, KM85, LR13, SL19b, LPT13, Lim10, LL18, Lon90, MV91, Mir92, dS16a, Sch79, Sto13c, UF22, Vei82c, WM21, Yan18, Zhd19, ZCWW12, ZCP18]. eliminated [TB01]. elimination [BJ94, LW10, SX22, Stu92]. ellipsoids [Zen22]. Elliptic [CN15, GW08, GW12, MB22b]. Elliptical [BS04, GSI23]. ellipticity [LCLL22]. EM-based [CW20]. Embeddability [ER22]. embeddable [CFSRL22]. embedded [Fon92]. Embedding [Cra91, SR22, Wal86, Gue19, Gue19, TZ17]. embeddings [BB19a, De 08, Hor04, Pan13, SZ85, VDW85]. empty [LPS09]. enclosing
endomorphism \cite{ZY08}. \textbf{Endomorphisms} \cite{Bre18, PS21, GR14, Mol15, Pab22, Rom19, Rom20, Rom21, Rom22a, Rus16}.

\textbf{Energies} \cite{YLW22, GH22, MT22b}. \textbf{Energy} \cite{YLW22, GH22, MT22b}.

\textbf{Engel} \cite{AADD18, DS13, Liu17, Mat11, Vol22}. \textbf{enhanced} \cite{MR18}. \textbf{entangled} \cite{DM22d, WCS+21}.

\textbf{Entanglement} \cite{BW23, Aud15, Joh14}.

\textbf{entire} \cite{SK15a, SK15b}.

\textbf{Entries} \cite{Mol18, Sin81a, BGV11, BGGS17, CJ97, CL14, CKS20, FW07, FW86, Her83, HNS99, HL20, INO15, Ito16, JKD16, KT21, LHS+21, Mee80, Min84, Moo76, Pok87, SG96, Sil98, STZ94, SC22, WC22b, Zel75}.

\textbf{Entropy} \cite{Zha14a, BM19a, BdP21, Drn13, Fur11, MF20b, ZBW16}.

\textbf{Enumeration} \cite{Che03b, Cha84a, JLDS12, KS82, SSZ22}.

\textbf{Enumeration} \cite{Che03b, Cha84a, JLDS12, KS82, SSZ22}.

\textbf{EP-nilpotent} \cite{WL20a}.

\textbf{Equations} \cite{DH03, Fla74a, Pas16, BHY22, BBP78, BS17d, BC06, BZZ11, BSS12, Cam83, CL80, CW17, CCL10, CIRW21, DH86, DTSI15, DH11, DM22c, DMT21, Din00, DLI19, DBG18, EO15, ESH23, Esh22a, FHW16, FNW18, FN14, Fin92, Gra80, Har94, HKT15, HW14, HW15, HSX16, He21, Hla17, HBP18, HMS18, HM20, HFSS22, HM22, JvdD91, JS14, KP11, KM17, KL22, KN81, Kyr21, fLLL+17, LD19, ILZjZ19, Lip96, LB21, Lon76, Mag83, MCC22, Mil22, NS99, New80b, Pen15, PM78, Roh91a, Rom22a, SLUG04, Son14, SK15a, SK15b, ST97b, Tia00, Wal75a, WH12, WZH13a, WZH13b, WX19, WLZ22, XJS20, XSL15, XW22c, YqS16, YYW16, YZL22, Zha04c, ZQZ21, IYW19, BC06}. \textbf{Equiangular} \cite{CDK20}.

\textbf{equienergetic} \cite{LS09, PV23}. \textbf{equioriented} \cite{Sch22}.

\textbf{equiponderant} \cite{Pif87}.

\textbf{Equitable} \cite{YZB22, AHN11, AC13, Ahn15, Ati20, LHF22}.

\textbf{Equivalence}
[All14, Atk91, Dji16, Gar75a, Hal86, JKL22, LL14b, SPS15, AKK+23, BWLL12, BM19a, BG83, BCS18, CKKK22a, CR18, DPR22, EL90, Epk89b, Epk89a, Far93a, Hon22, Huo9, KKL21, MV75, MCIM21, Mit92, MP13b, SSS12, Suc22, TT12, Wer84, Wes96, ZL15, ZN18]. Exterior [Tam98, AGR91, Bah22, Coa99, Gre99, GV87, Jac79, Lim77]. Extermal [SM94, Lei95a]. extrema [For87, KKR12]. Extremal [APEPS23, BP98b, CJ97, CH12, FF21, Grz89, GLS13, Hii18, KN00, Tia11b, ZL22, AO78, BSG+12, BK87, CSMH10, Fli75, Li85, RW22, SWH22, WSFL22, XZL22]. Extremals [YH05]. Extreme [Pat03b, Tho75a, CCW20, Kan87, LKLC22, MPD22]. extensions [ELG88].


Fenessey [MM23]. few [DFK19, MTR19, TDL18]. Fibonacci [BB19c, DH17, EB17, KI16, Ogu20, Sla16, TD16, TD19, df11]. fibre [TZ21]. fibres [MT11]. fidelity [ZBW16]. Fiedler [BD14, CGMR11, Kua18]. Fiedler-like [BD14]. Field [Rie81, AKK+23, Ber05, Bra86, CJK+13, DB14b, Ell93, Fri90a, Fult, Gib76, dHS23, Joh75b, JST18, KKR0, Kyr11, LLC22, Mau78, Mee80, MN13, New93, NIP19, Ota13, dSP16a, PM81, PM85, RC22, SM15, Uhl79, Uhl14, Uhl20, Wes96]. Fields [XCC99, Adk95, BM22b, Ben74, BB75, BM12, BD13a, BZS10, CC17b, DP09, DJS21, Epk89b, Epk89a, Far17, Far20, GWZ14, GWZ16, Hia88b, Haw05, HZS22, KC16, Moh16b, MP13b, Nor95, Nor08, SCL+22, Sta14, Sta15b, Wat89]. fifth [Gar21]. figures [Pok87]. Filbert [KA19]. Filiform [CCG011, ARH15, AC021, BS18a, CKK22a, CLOK13, KKL20, KKL21, KLO14, LBV13, RH11a, RH11b]. Fill [Dji16]. fillings [AW13]. Fillmore [Tan20b]. filters [Chu84b, Pat17]. finally [Uhl13]. find [FTA20]. Finding
[CDG23, Vo83b, HKT15, Sol14]. **Fine** [MG22, RE22, PS20]. **finest** [Uhl79]. **Finitary** [DS02b, DW16, BFJ12, BFK18, Khr16]. **Finite**
[BR04, Che95a, Dre93, Hua22a, KLS08, LM03, Tau74, Adu15, AL21, AFW22, AMZ13, AAUN22, BM22, BRL22, BG16, BM12, Bra86, BD13a, CCS16, CC17b, Car88, CDJ13, CP15, CW11b, CZY12, CX12, CG19, CR22b, Das17, DH20, DL92, Dok93, DJS21, E193, ES76b, Fal97, Far20, FTA20, Fli76, GG22a, GA85, Gol79, Gol07, GWZ14, GWZ16, GX17b, Hol04, IOMAN21, JC22a, JW22, KC16, Kes83, KK90, KL15, Lew77, Liu16a, JW23, Mat90, MGA17, MN13, Mir09, New80b, Nir11, Pab22, Pas15, dSPsdS22, PA94, PM81, PM85, RA21, RSO0a, RSO9, RC18, Rom19, Rom20, Rom21, Rom22a, Sei81, SM19, SZ19, Tan18c, Tho92c, Wl79a, Wat89, Ww20b, Yf18, Yan21]. **Finite-dimensional** [Hua22a, AAUN22, CDJ13, CW11b, CX12, Das17, Gol07, KL15, Nir11, Pas15, Tan18c]. **finitely**
[BS15b, Ber05, HMO11, Hua96, TLC16]. **finiteness** [FSvW11, PRA22]. **Finsler** [RQ22]. **First**
[RP90, AEAAS20, BC06, CNW21, HWX22, KN00, Vo83c, Vol22]. **first-order** [CNW21]. **Fischer**
[BJ93, Dru14, DL14, ES76a, HB83, MH95, Mar76]. **Fischer-type** [Dru14]. **Fishkind** [Dji16]. **five** [HM76, HM78, MO91, Vol22]. **Fixed** [ZX1, Ach77, BOvdD91, BD10, COK22, Cha84a, CDK22, DM87, GL11, HKv23, Hon92, JP07, KS17a, LP07, LT93, LS22b, TH14, Tj11, Tia17, Wes87, YWZ21]. **fixed-points** [Hon92]. **Fixing** [OWTZ21]. **Flag** [HLZ02, Mill15]. **flagged** [Chu90]. **Flanders** [GJR97]. **Flat** [CN08, ERS12, Pat84]. **flows**
[Lee98, LT13]. **Focal** [GS19]. **Fonseca** [KAE22]. **force** [CN14]. **forcing** [WWZ20]. **Foregger** [Cha84b]. **forests** [Muk20]. **Form**
[Afr73, New94, Arm17, BK17, Bed11, BG82, Cha96, CF21, Der83, Ger82, GRMA13, HS83c, HWZ18a, HH85, HZ920, Ikr15b, IH11, INO15, IK90, IK22, KH05, KPR21, LV18, LMR94a, LCH22, LL22, MA06, Nak95, NOS1, Nor95, PS91, Pro95, Sh90, Uhl79, Ve83a]. **formal**
[BC06, CQH15, Dre22, MP117, Reg89, Rys75]. **formally** [Adk95, BB75]. **format** [Sta15]. **formation** [LH22, dC15, dC18]. **forme** [Rev81]. **formelles**
[BC06]. **forms** [AY93, Bae84, BT90, Bed10, BX11, BS13, CUC12, CH18, CO12, Dra17a, Epp89b, Epp89a, Fei75, Fow80, Fli76, Gal79, GP14, GQ06, HL09, Hor04, HSO9, HLY22, IK12, KN18, Lee18, Lew96, Lew97, Mar97, MN13, MP13b, OR15, Per17, Pie74, Ra19, Rob77b, RB22, Sin93, Sol80, SPM14, Sta14, Sta15b, Sm20, Tan81, TS05, Ven19a, Wag87, Wil93]. **formula** [AH16b, Bed11, BG70, Cal91, Cla82, CD15, Dji16, Ebe80, FZ11, GR83a, GK18, HLZ22, IW95, KMMS22, Kri87, Lese93, Mit10, Mos15, NST89, SC20, SvW14, Tho86b, Ve121, Wn06, Zha21]. **formulas**
[BJ94, BT11, HS83c, Rem82, Van95]. **formulæ** [AYC93, Bay22, BSA17, GRMA13, MAR20, Rom42, SQH15, ySpW14, Tia18, YZB22]. **Formulation**
[CN04]. **forward** [ZZT23]. **forward-backward-half** [ZZT23]. **Four**
[Kom10, BTT20, Bre18, Edw78, Gra97, HWZ18a, HLW21, Tal17, ZMG20]. **four-dimensional** [Edw78, Tal17]. **Four-term** [Kom10]. **Fourier**
Fourth
Fourth-order
Fraction
Fraction-free
fractions
Frame
Frames
framework
Frattini
Fredholm
Free
freedom
French
Friedland
friendly
friendship
Frobenius
Fuglede
Full
full-rank
Full-spark
Fully
function
function-induced
function-valued
functional
functionals
Functions
functions
functors
Fundamental
Further
Fundamental
[Ark92, ASR22, BHK78, BM17a, Boa19, CZWF23, DW12a, DIF13, GHL10, How83, MRT14, Mis17, WC15, YK22, YWZ21, ZCP16, JLL11, Zha15b].
Furuta [Dra13a, FJK98]. fusion [SA17]. future [Abd20].

G. [BMD87, TT78]. Gabor [GKO22]. Gaddum [Das21]. Gaddum-type [Das21]. gain [HHY22, LY22c, LY22b, MKS22, WL23, ZH22]. Galileian [CSV18, TZ19b]. Galilei [aCC17]. Gamma [SAML13]. Gaps [YMWS13]. gauge [Che91, DLH91]. Gauss [Sal14, SX22]. Gaussian [BJ94, CP16, DMV18, Ter22b]. Gaussian/Bernoulli [CP16]. gcd [PB17, TM19, Zha14b, AST05, HIN10, Han12, Li92, Tan10, TLL11, XL11, Zha14b]. gcd-closed [Zha14b, Li92]. gcd-graphs [PB17, TM19]. GDMP [HLT22]. GDMP-inverses [HLT22]. Gelfand [BCZ22, Cen11, HT10, ZCY22]. Gelfand-Kirillov [BCZ22]. General [CHK00, HSX16, NP80, Uhl99, XSL15, XH23, BO22b, CT21, Che93b, CW12, CPT15, CP21, HW15, HWL21, HL22, Hun83, Hun86, KH05, LXX21, LCL13, LLW07, MT22a, Pan13, Pea15, Pie92b, Prec22, SMM16, SL20, SMM22, T21, WL16a, Wat89, Wri22b, Xu22, Zha04c]. Generalised [Fri75, FNBR96, HK80]. Generalization [Dok17, Mou13, BM07, CGMR11, CC92, DMV18, Fie84, Hey92, HZ12, Kan87, KS14a, KPS19, KA19, Kov86, KAE22, MP94, MP95, Rub20, SN22b, TR21, dC13]. Generalizations [BC80, Dra13a, Gut22, MR10, Sha20, Sl16, CDDK10, DN18, FS83, Fri78, GS83, Liv94, Lu22, MP90, Wu22]. Generalized [BBG22a, BGK99, Bea83a, Bea83b, Bea84, BDLP17, BS22e, Bou18, BCL12, CM84, Cha96, CLX03, CL05, Cve18, DD15, DP18, Esh17, Far20, FMXX22, JP15b, KP16, KL12, LW11a, LPS12, LCL14, LL18, MJ07, MP13a, Mer79a, Mer83a, MM23, PSA14, PUO15, Pet00, RS18, Rau81, Sin84a, SM19, Siv06a, SPK15, Tam02, Til77, Wer86, YZZ20, Zar01, ZZC17, AAB17, AADD18, AYT83, AYC93, AyT84, AKY21, Bovd95, Bi95, Bf05, Bar80, BCFD09, BHK78, Bay22, BC82, BC85, BM17a, BT06, BL13, BG21, Bo01, BT22b, BC94, CC17a, Cha92, Cha93a, CC14, CCC1, Che95a, CK95, CW11a, CD21, CH22, Che17, Chi98, Chi78, CIN15, CMI19, DPvW13, DS23a, DeV22, Dec74, DH11, DTS14, DZ22, DCIW10, DLD22, DMS23, Dra13b, Dra17b, Dr23, EAJ18]. generalized [EAM19, FT87, FS22, FZ17, FJK22, FN14, FLT20, Fie90b, Fri82a, Fur11, GB22, GS06, GZPF93, GPM98, GH23, Gog21, GB90, HNN22, Haj18, HK79, HJP17, HBL17, HOK16, HBM15, HT91a, HLPW17, HM20, Hug90, Jon92, JNBR93, KM19, KM14, KI16, KS14b, Kay17, KW17, KR14, KPR21, KD23, Ky08, Lei92, Lei93a, Le95b, Lei95a, LCL13, LTT84, LMR94a, Li96, LSL10, LB11, LPT11, LXW15, LZ19b, LW11a, LWB11a, LL11, Liu17, LPW17, Liu22a, Man87, MKS84b, MR15, MS09, MS18, MM20a, MM20b, MM22, Mer74, Mer82, Mia93b, MS12, MMS21, MGG15, MNI18, MAT22, Mos15, Mos20, Mos21b, Mou04, Mum86b, NAb98, Nas75, ND13, NT86, NSW21, NF19, Pat03b, Pat08, PS20, Pep19a, PT10, PGAB22, Poo86b, Rad16, RS09, Rom20, Roo20, RS08b, SMM16, SES21, SM20]. generalized [SC20, Slo17, Slo18a, Smi74, SCL722, SY23, Tam86, yT86, TX13, TT06].
groupoids [RD12]. Groups [Gur97, KMEO12, LM03, AF11b, Adu15, AL21, AFW22, AKK⁺23, Ber05, Bri89, BS07, CF21, Cha77, Cha79a, CL86a, CL86b, CP15, CFL⁺22b, Den05, Dok81, Don91, Dre93, Fon92, Fri97, GL16, GT79, GL97, HNB22, HT92, Hol04, HS17, HW75, JC22a, Kim91, Koh11, Kra05, Kra06, LLT93, LW23, LCXC22, LCWW22, Mah82, Mal95, MO22, MC80, Mar00, MZ17, MGA17, Ner22, NP73, Nie22a, Ota13, Pan13, Pat82, dSPdS22, Pre22, RA21, Rei75, RE22, RC18, Sla16, Slo13b, Sta23, Tam97, Til77, Vin06, Wal97a, WC22a, Wat89, WW20b, Woo22, dB10].

Grover [KMMS22].
growth [CdSS17, FdSV16, GdSV16, IM18, Iop19].
Gr¨uss [Ota20, DM17].
guage [HWL92].
Guessab [TR21].
GUS [LLV18].
GUS-property [LLV18].
GW [Hai88a, Hai88b].
GW-rootsystems [Hai88a, Hai88b].
gyroscopic

H [Cha84b, MP13a, Sun20, WSZL17, Wan77]. H-tensors [Sun20, WSZL17].
H. [Cha83a, For79c, Jia92, Kr¨a87, Mal89, New83]. Haagerup [MW19, MW21]. Haar [OS18]. Hadamard

[AHJ87, Aue98, Bap91, BG21, Boz99, Che22a, Cho18b, Cra91, Dok17, Du10, EM95, EF98, ES76a, FKR93, Fri75, GA20, GP74, GN02, GS20b, G´or22, GJMW84, GMW86, GM87a, HB83, Hey92, HJ87, Hua08, HXL16, HK17, Joh77a, Joh74b, Joh75a, Joh77b, JM85, JN90a, JN90b, JN00, KLZ10, KMS02, LHS⁺21, MKS84b, MF92, Mat92, MTR19, Ota20, Pep19a, Pep19b, SAV01, SZZY18, Wal73, Wal86, WZ97, Zha00, Zha89].
hafnians [BFI22].
hahn [TRM22, DPR22].
Hahn-Banach [DPR22].
half [DS16, ZZT23].
halfplane [Rod08].
hall [LB99, HL10].
Halamos [Zha95].
Hamburger [AC17].
Hamilton [LN16, Paz84, Van95, XZ22, ZW17b].
Hamilton-connected [XZ22, ZW17b].
Hamiltonian [CQH15, CHQ18, GN20, GZY18, Mer83b, NG15, Nof15, NF19, RY93, SHC22, WC12, ZW17a].
hamiltonicity [Lu22, LLP18].
Handelman [KX95, KNX93].
Hankel [BG83, Boz99, CCL22, Ikr15b, JTW17, KS16, Lew97, LC20, LM19, MHH96, Sol06].
Hankel-symmetric [CCL22].
hard [GLM⁺22, Roh00].
Hardy [BS22a, YGC19].
Harmonic [KK19, ST94, Web83, XZ22].
harmonious [FXY22].
Harnack [CB22, LZ17b].
Hartwig [DD14].
Hasse [Bah22, Gar75a].
Hausdorff

[BB14, BBM20, BMFPBSS21, CW11a, DST91, DTS14, NST89, TD14, Tal17].
having [BCEM12, BCS14, DHH1, Est80, GH22, HZH20, JG97, JS84, JovdD84, LD19, LCX22, MPS21, Šem97, Wan22b].
Hecke

[LLT93, Mit10, Zha21].
Height [HS89, AHK92, HS91].
Heinz [ASR22, Aal16, BM15b, GHT11, KM11, KK13, LS15, Man17, NS18, SYK15, Sab19, SG18].
Heinz-type [Sab19].
Heisenberg [AC19, CPS22, CHS22, LS22a, Nie22a].
Henryk [Mar03].
heptadiagonal [Lit17].
Hereditary

[BY19, EGT16, KM98].
Hermite [BFZ07, CS18, Sin93].
Hermitian
immanent [Fer10b], Immanent [Hey88], Implicit [JSW09], Imprimitive [MM11, FW07], imprimitivity [BP92], improper [Tho75b], Improved [LW17, ZV19, CPLH17, GB77, Li21a, MF20a], improvement [GLL18, XZW22], Improvements [HLB20, BP22], Improving [Dra19a, GJMW84], Inaccurate [Ned98], incidence [AGS20, Bnp97, BL11, BFJ12, BFK18, CD21, DW16, HZ11, HM23, Khr16, Kol23, KH05, Mum86b, Rys73, Rys75, Spi04, WLF22, Yan21, ZZ15], including [LL14a], Inclusion [GZ76, JR93c, JR94, LS04, PT87, Das18, FMX18, LXQ21, Lei18, LST89, MW18, ZL18, Zha19, ZTT23], incoherent [YGZC22], incomplete [GKO22, VY21], Increaseable [Esh22a], increase [Kuz05], increasing [Cho10, Nie22b], Indecomposable [LF16, BB15b, HK16a, Har87, HK16b, HL10, Liu92], Indefinite [BLdPS04, BdP12, BdPN14, LZ19b, LMMR01a, LMMR01b, Rod81], Independence [MW18, HYY22, LZX19, SD20, Tan18a], Independences [JJX3], independent [Bra86, FTA20, Mer78b, Pat83], Indeterminates [Rys73], index [BB22, BP92, BS95, dAB17, BG16, BF15, CMM17, CM15, EDAK07, GWW20, GM18, GM21, HRT15, Jun88, Kir93, KS17a, LLT93, LS22b, LLL09, LHbL15, MC82, MM07, MM09, MQ21, Mer89, MZ23, PJ90, Raj90, RR93, RY93, Sha15, WL18a, Ye11, YGW15, ZZZ23, db14a], indices [AEG19, BFZ07, Bo01, DF95, Dua22, LS22c, MZ04, WL23, ZH22, ZCLW22], Induced [CL80, Sch95, Tik22, AM22, CKS19, CL85, Da88, Gau76, BMN22, HWL92, JN00, KL95, Lei93a, Lei93b, Mal95, MG22, MO94, SS23, Ste94b, Tan88, WLF22], Inequalities [SH98], Inequalities [Ala16, And80b, Cho18a, Cho18b, ES73, FLT22, Fur11, Haw05, HMN91, HLPW17, JK22, JL88, JSG94, KS19b, Lee91, Lev74, Li91, MS74, Pat82, Pep19a, Pep19b, SA01, XZZ2, AC78, AR22, AAP82, ANK22, ARK22, AS22, AKK17, AS20b, AW07, Alo21, AHIK19, AdFK15, And80a, AO97, Anj17, AA12, BM15a, BM19a, BS22a, BDK09, BDK21, BP98b, BO22a, BCK15, BKL07, BBP21, BP22, Bol12, BHK10, Bun91, CX23, CLL14, CL17a, DM17, DV18, DW23, DKM10, Dra10, Dra16, Dra18a, Dra21b, Dra22a, DL14, Du10, Fan92, FH15b, FH15a, FG22, FJK98, FSY16, FMS19, GA18b, Gha21, GHT11, Gur98, Gyi78, HLB20, Han17, Han19, HB83, Haa94, HSW19, Hla17, HOT15, How80, Hua08, HXL16, HZX22, JKL22, JM85, JN14b, Kan87, KM85, Kan94, KMS18, KMN22, KM22], inequalities [Kim91, KS07, KM11, KK13, KT83, KW89, Lek19, LM96, LPS12, LLZ13, LH2a, LS15, Lim00, LF21, Man17, ML21b, MM22a, MOGN18, MS21a, MS21b, MFS22, Mos12, Nie07, Nie22b, Nie22c, OU22, Ota20, QHB22, RAI19, RK94, RMS21, RSM22, SYK15, Sab19, SM21, SRS21, Sed11, SG18, Sha18, Sha20, SN23, SA10, SG96, ST86, SZYZ18, TJG22, Tho78, Tia05b, Tom22, Tra84, WZ97, WZ14, YK22, YLS10, YLC19b, YSK15, ZW19, ZCLW22, Zou20], Inequality [Pat81, AFTG19, Ala18, AB78, AHJ87, Aud15, BM15a, BM15b, Bak16, Bap88, Bap91, BdP21, CF23, Dia79, Dra11, Dra13a, Dra17a, Dra19a, Dra19b, Dra19c, Dru14]
Inertia [GS06, GA18a, GA20, JR84, LR17, ZCLW22, AL23, BS97, CM92, CFSGL18, Dua22, GW22, WS85, AL78, BS97, CM92, CFSGL18, Dua22, GW22, WS85, AL78].

inertia-preserving [BS97]. inertial [ZZT23]. Inertially [GS01]. Inertias [KMOV07, JL91, KOvDD09, TL12]. inexact [WZY22]. infimum [Dji16].

Infinite [ALPM20, DvE22b, DS02b, GK02, KK75, KMS02, ME21, WC16, AELPM18, AI14, Bar07, BB14, BH15a, Cas91, CP10, DvE22a, Esh22a, Far22, Gol16, HLZ18, JO23, KPPR21, LF15, Lin23, Liv94, LR21, Lud21a, MDP22, Nag17, Ng14, Ng22, Pop14, Rai87, RD12, SHC22, Siv06a, Siv06b, Slo13a, Slo14b, Slo15b, Slo15a, Slo16b, Slo17, Slo18a, Slo18b, Sol06, WC12].

Infinite-dimensional [ALPM20, KKM07, AI14, Bar07, BB14, JO23, LF15, Liv94, MDP22, SHC22, WC12]. infinity [DM87, HM78, MZ04].

inflations [GW98a]. influence [Sch77]. Influences [CP16]. Information [JS91, BL80, DMS23, DHKSH08, Fur11, MF20b, ShDHG08].

Inheritance [BS17e, BS18b, Pan17]. Inner [BLdPS04, Tan16, Dra19a, Dra19b, FD14, HLP23, LMR94b, LMMR01a, LMMR01b, LB21, Ota20, Pat08, SN23, TZ19a, Tan13b, Uhl82]. Input [Har94]. inputs [GOS22]. instability [KSU22]. integer [BT07, BM18c, BM19b, C222, GA20, GRMA13, LSOvdD95]. integers [New85a].

Integral [CFL22a, Lec18, LYZ12, Yiz02, Yiz03, BH78, BSG+12, CQ18, CL17a, CFL+22b, Dra21b, GHL16, HK79, HK80, Hsi78, HHW15, IAM23, Kir04, KAD10, Kri10, Kut19, Lue19, Mah82, Mir23, MTR11, New74, Tau81, Tho86a, Tho86c, Tho87a, Tho88, Vas86, Wei93, YW00, cc85]. integrality [MM05]. integrals [BC06, Sim83]. interesting [Bru85]. Interlacing [Mar90, CM84, GT11, ISCS11, LM98, LPS12, NU94]. intermediate [BK21, WOY06]. Intermixing [Dra23]. Internal [BC83]. Interpolated [SYK15, YSK15]. Interpolating [AKK17, CJ12, KK16]. Interpolation [JvdD88, LP11, OU22, Ala18, AG15, BCR91, CH12, DMV18, DWL13, ZZ00]. interpretation [ER90, RS18]. Intersection [JNBR93, AN14, BCS14, HS83c, Tho75b, XWT22]. interval [Aze99, CR120, HAR6, Hla17, HWL21, KSMB16, KP11, RR95, RK94, Roh06, Rub20, Ska17, TSL21, XLL15]. Intervals [AG16, AAKS21]. intraclass [Mai11]. intransitive [CL86a]. Introduction [AB20, AL94, Row95, KP14b, PEL92b, Tra84]. inv [Gar79]. Invariance [MF77, SSZ93, BK83, Bea78, Gro96, Hem93, LTR88a, LFY16, Man91, Min76, WW20b, XQ15]. Invariant [BR04, DE 90, Dom14, Ger74, MZ04, NT86, Pat77, Sil98, Tho87a, AE10, Aze99,
Bae84, BG86, Ben78, CW81, CLR81, Fri90a, GP22b, Heo16, HJ20b, HS87, HJ87, HNN91, JS94, JP15b, KL88, KME012, LT87, LT89a, LT9b, LT09b, LT9c, Li91, LT92c, LT93, LLW07, MKS84b, Mar90, McD92a, MMRR09, NS85, Pok87, RRR93, Ras19, Rod81, Sch22, Sel81, SX23, SJ18a, SJ18b, SS96, SAV01, Sin73, Sol80, Ste82, Wanj7b, XFG14, Zab89, Zab90.

**Invariants** [Gur97, Mau78, PW78, ARH15, AMZ13, BZ99, Bed10, Bed11, BX11, BCdHP10, BB17c, CLX22, CNW18, CN15, Dom00, Dre93, Fog73, GA85, GHV99, GL97, KP92, Lop11a, Lop11b, Lop18, MZ17, MM23, RH11b, Sch75, Sch78, Tho88, Wat83, dTS20].

**Inventory** [Mer83a].

**Inverse** [BS11, CLX03, HA22, HS16, LLS14, MNN98, Min82a, Mir18, ZHZ11, AHK92, BT10, BT22a, BST23, Bap97, BCN05, BP19, BAN12, BL11, BB17b, BXX20, BS17, Bow19, Bow18, BDD23, BT98, BZZ10, BZZ11, BSZW13, CC17a, Cam80, Cam83, Che95a, CS91, CS21a, CH22, CS22, CZWF23, Chu22, Cru18, CIXO9, CS15, DM22a, DMV18, Dec74, DD10, DCW10, DL18, DS16, DK22, ER90, FS18a, FDFO9, FOT23, FSWX22, GCP20, GCP21, GZPF23, Gar23, Gar85, Gro99, HLZ22, HP18, HM23, HM78, HXL16, HPV84, HPV88, JKL39, KMR889, KS22b, KCS21, KW11, KR07, Kyr11, LCZW19, LZ23, LP16, LWY11, LYZ12, LPH17, LL78, ML21a, Ma22a, Ma22b, MP16a, MS18, MZ15, Men22, MMG15, Mol18, MS15a, Mos15, Mos19, MM22b, MZ22, MAM15, PM22, PJ90, PM14, PH97, Rea96, Rom19, Rom22b].

**Inverses** [SSZ22, SM20, SN22b, SX22, SC20, Sib06b, Sni05, SPM14, SPK15, SPKC15, SKM17, SW22, SZBW16, Tia05a, WL15, WMR16, WLL19, WLM1, Wei98, mWyD11, XQ16b, Xu93, XSH18, XCM20, YZ14, YW05, YW09, YZ21, ZFSX17, ZMG20, ZBW12, ZCP16, ZPCZ16, ZCP17, ZC22, rV11, LL16].

**Inversion** [JTW17, Elo18, FZ11, JS91, Jor78, KLTZ19, Mar20, Tis93, Wer86].

**Invertibility** [BLR12, CH22b, Den14, FSV11, IK18, KRO2, KRO3, MAT22, SR17, Wat83, Xin20, Zel75, Aue95, Aue98, BL10, BLM13a, BMGMC15, CQH15, CIP18, Cve18, CM22, DW12a, DD12, DK22, GNO20, HC14, LD17, LC20, MS09, PA10, SA17, TC113, WHC22, ZZ16, ZCCI12].

**Invertible** [BLSV12, Gur97, GL97, BSU013, Cee07, DL22, DRa2b, DK11, Fra13, Gow80, GLH16, HBM15, ID216, LWB11b, Siv06a, Siv06b, Tan13a, Tan18b, XYP16, ZX18, ZCW21, ZC17].

**Inverting** [KHG13, FdM18, dFSY22].
involution \[\text{AF11a, AF11b, AF12, BCI13, BB17b, HE20, HPV88, Iop19, KR07, Lee15, LC18a, NTTW23, QZ16, RD12, UG21, Xu15, ZC22, ZP19, ZWM23, dFSY22, dNV19}.\] **Involutions**
[Slo13b, BL11, BFJ12, Fie95, FdM18, Hou22, KL21b, LY22a, LK21, TZS19].

involutive \[\text{[LK23, LWB11a]}.\] **involutory**
\[\text{[BB06, Bal75, Bal76, Bal77, Bal79c, BT98, PA10, Tia11c, ZW14]}.\]

involutory \[\text{[BB06, Bal75, Bal76, Bal77, Bal79c, BT98, PA10, Tia11c, ZW14]}.\] **Involving**
\[\text{[Pat81, ASR22, AHK19, Du10, FG22, Gha21, GLLM21, JK22, JD16, Joh77b, JSC94, JR94, KMS18, LM96, LW11b, LLF18, Mer74, PLL20, Rai14a, Rai14b, Rai19, TX13, XJS20, XHL23]. iota [FKC19].}**

irrational \[\text{[DH91]}.\] **Irreducibility** \[\text{[MM05, Mer75, Mur89]}.\] **Irreducible**
[CY22a, GT14, Lla96, Min74b, Abd09, BCS14, Bru79a, Coh88, DF87, DLL19, Els78, Fon89, Fri12, Hol04, Hua90, Hua22a, Hun83, Hun86, JPS15b, Kra05, LK23, LWB11a, LK23, LWB11a].

NSW21, Nor95, Nor08, Pas15, PT10, PS91, QZ16, Roi99, ST15, SX22, Slo17, TRD16, TS21, TWK22, TJG22, WHX08, Wan18, Yua98, Zha16a, ZW14.


Krahn [ZZZ12]. Krawtchouk [KHG15]. Krein [LLMT05]. Kromecker [Cal99, Cal97, Cal03, CG17, CK20, De 78, Di 88, HZ11, HS81, HPS83, Lew96, Nor08, RW96, SW81, Tia05b, Wan80, vR11].


L [Mag83, YW16]. L-structured [Mag83, YW16]. labellings [KT95]. labelling [LL22b]. Lagrange [Jon78]. Lagrangian [MMRR09, PT10]. Laguerre [ASAS79, Mej19]. Lambert [JS19]. Landau [BdP21]. Laplace [Bay22]. Laplacian [AAS14, AFTG19, AADdF23, ABGP21, AAB20, AM85, AH16a, Are22, Ash16, AEG19, AKB21, AOTR11, BKP01, Bar08, BLP08, BPW16, But10b, CRW21, CP15, CL17c, CHQ18, CZ21, Con90, Das04, DP17, DAH19, Das21, DK17, FTZ08, FLZ07, FYIS13, FHT14, GHL10, GM90, GZ90, Guo07, GLS16, HMO11, HLP03, HUZ17, HWH15, HL22, JS22, KP22, Khr04, KADM10, LP07, LST23, LP00, LLF08, LZ11b, LC14, LLP18, LLZ22, LPWX10, LL15, LZ15b, LL10b, LPH17, LDL17, LW22b, LY22d, LHH18, MH16, MT22b, Mer97, Mol18, NC22, NP09, Obo22, PHL01, PGLM00, PRAC22, RA21, Rod02, Rod03, Sar20, SYZL17, SHS17, So99, SD20, TJ11, Tan12, TY21, Vrb86, WSH*11, WH11, WZ13, WBZ14, WW15, Wat90, XZL14, XYH22, XLS20, ZLS11, ZZ15, ZZ23, ZG08, ZW17a]. Laplacian-like [Tan12].

Laplacians [CTY20, Fee95, Lee98, LS21a, Lor00, Mer95, PLL20]. Larcombe [MM23]. Large [GZ90, Loz01, Mer97, NW02, CW20, Din15a, KMEO12, LLP18, LHH18, Pat03b, DSP16b, Sol14, WY20, Zen22]. largest [AAT17, Bel15, BPW16, Bén11, CR90, Das04, Das21, DrIF15, Guo07, GZ22b, LP00, LCG17, SSZ22, Sim95, Sta10, SKLS20, SKLS21, Wall11, XZ16]. Last [KMS02]. latin [SMF95]. Lattice [Cir15, BV92, CZY12, HMK22, JS94, KMH19, MPGS21, RW84, YW10]. lattice-theoretic [KMH19]. lattices [GT14, Ger04, Ye11]. Laurent [JK10].
Lavoie [YLS10]. law
[CID16, DD14, LW09, Mal92, PBM20, Rad16, XQ16b, ZCP17]. laws
[HINS10, Tan10, TLL11, XL11, Zha14b]. LCP [LL22a]. LDU [Sni83].
layered [Hol84]. leading [Hol84]. leads [GOS22]. Lebesgue [BS22a, LRD21].
Lebesgue-Stieltjes [BS22a, LRD21]. Lefschetz [MCIM21, Sam78].
Least [WXD21, YL11, YLW15, YZL17, ZLZ22, AAB17, Anol16b, BPS16, DM19, DLQ18, Din98, Fan05, GW17, GZ22a, GZ22b, JS84, Job84, KS82, LLW07, LW08, LW10, Pen15, Wan15, Wan17b, WL22, XQ13, XQ16b, YWZ21, ZWL22, Zhu15].
Least-squares [ZLZ22, AAB17, WLZ22, ZWL22]. leaves [Ben78, Sin73].
leaves [Ben78, Sin73]. Legacy [Mer17].
 Left [Bre21, CQH15, DK22, EKO14, HBM15, Kre16, MW22, Tho86a, DS16, Dok73, DK21, GMZ17, GZ20, LCL14, LGB17, MVPS14, MRD15, WHC22].
 Left-star [Kre16, MRD15]. left-symmetric [LGB17]. Legacy [Mer17].
Leibniz [Anol22b, ARH15, ACO21, AM15, AKOZ20, BCS14, CCGO11, COK19, CLOK13, CRK18, CR18, GL13, KPPV18, KLO14, KLO19, Mill15, RH11a, RH11b]. lemma [CGMR11, YZ20, Bar07, Bar12]. length [BP90, CCGO11, CW81, Ell93, Wes80].
lengths [Kol23]. Leonard
[Anh11, CGH15, Han21, HZG14, HZG20, KG15, KG16, WH17]. Leslie
[Har96]. less [Bot87, Lim90a, Sim95, dB16]. Letter
[Bha91, Cha93b, Ram02, Roh13, Sch15, dB19]. letters [Bha91, Cha93b, Ram02, Roh13, Sch15, dB19]. Level
[KLO19].
Levitzki [Ari16, DP18]. lexicographic [AAo11, LiFS15, Lim23]. lie
[JN22, Tow22, ACO21, AS20a, AC19, AH20, AAA22, AWM22, AH16b, AA20, AK21, BL10, BWLL12, BD12, BW15, BGL18, Bas17, Bas19, BV92, BBM15, BRL22, Ben07, Ben15, Ben22, BCS14, BCS18, BM14, B18a, BB14, BV07, Bre14, CR15, CG15, CCGO11, CPS22, CSG22, CV94, CRK15, CC19, C11, C21, CW11b, CX12, CW12, CY22b, CQ22, CZ23, CWSZ17, Che03a, Ch22, Chu84a, CPT15, DHI8, DS23a, DDA20, Dol07, DR18, DBG18, F17, Far93b, F17, FZ17, Ghi22, GS95, Gra10, BMN22, HH22b, Hon22, HH16, Hou17, HR12, JLS21, JQ13, JL12, Joh22, Jul21, JO23, KK75, KZ12, KZ12, Lee94, LCL13, LW11a, LF13, LCC19, LWXF15, LL10a, LL11, LZ12, LZ13, Liu16a, Liu19, LW20, LC22, Liu22a, LBV13, Lu17, M17, MPGS21, MT11, MHA17, MS04, NZK21, NR11, NJP19]. Lie
[OWX09, PN22, PZGL22, QH11, Qi15, Rom89, SV14, STME10, SN22a, SX15, Shi18, Spi04, ST99, SY22, Sun21, ST97b, TK19, Tan18c, UF22, WOY06, W0909, WY11, WL16a, Wan16c, WL16b, WJ16, Wan16d, Wan20, XW12, XWF15, YD14, YZ13, YZ20, Yan21, YWO2, YH22, Zha15c, ZL15, vWZ19].
Lie* [Liu18a]. Lie*-automorphisms [Liu18a]. Lie-theoretic [Mou04].
Liftings [SUC22]. lifts [DFPS22]. Ligh [KMH19]. like
[AM21, BD14, KM17, LM19, Nie22c, Tan12, Zha97, ZLZ23, ZAK22]. Limit
[Ger86, Cam78, Har84b, Kat75, LY21, RE83, Tos79]. Limiting
[GW08, CMM22, HJ77, HT91b, Mir23, WBZ14, ZB13]. **Lineability**

[BMP10, BMFPBSS21]. *linéaires* [Del94]. **Linear**

[AS17, ASZ02, Bea78, BP89, BP92, BL93a, BL01, BBBS09, Bot79, Bot87, CL92, CL95, CLMR09, Coe96, DRY22, DGJ16, FHLS13, FHL14, FA22, FJZ21, Ghi22, HJ19a, Hof75, Hua96, HW75, HKS94, JS94, Jam81, JP86, JLL88, JLR92, KP92, LL90, LL16a, Lau81, Lev74, Li87c, LT88c, LT88b, LT90b, LT90a, LT90c, LT93, LM93, LP93, LMR94b, LSS01, Lz01, LM03, LS04, Lim76a, Lim79a, Lim82, Lim90a, Lim90b, Lim97, Lim01, LRD21, Loe93a, Loe93b, Lor14, Luk74, MP17, MF79, MC80, MS09, Min77, MSS19, Mol09, Prz92, RK94, Sin82a, Slo18a, Slo18b, SA14, SB03, Tom19, Wat82, Wes74, Whi74, Zha05, Zha22, XZF15, ZW14, Abdo9, AC13, Ahi15, AMF13, Ami11, Anm18, Ano92g, AW83, AB22, BB06, BH23, BB20, Bar07, BS16, BS17c]. **linear** [BS22b, BNVKJ22, BDGdH92, BB19c, BSS12, CBL13, LT88a, LT92b, LT92c, LT92d, LM96, LD17, Li21a, Lia80, LLWX17, LZ19b, Lim10, Lim15, Lip96, LWL11a, MT22a, Mag22, Mag83, Maj22, MN06, Mar97, MR12, MHA17, MID17, Ma15b, McD92a, Mi122, MN96, MS98, MB22a, MOGN18, MMB22, ME18a, Ned98, ND13, NT91, New80b, Nie07, Pan13, Pat77, Pat83, PUO15, PW78, Pie79, Pop17, Pre22, Rai14a, Rai14b, RJ04, Roh91a, SPMR20, SRT22, SHG21, SL20, SXR18, STS6, SSZ93, Sin83, Sl16, Slo15a, SPKC15, ST97b, TRD16, Tan18a, Tan13b, Tia00, Tia11a, TJ16, UÖÖ15, UPÖ16, Wal79a, WL16a, WS18, IYW19, Wat83, Wat85b, Wat89, Wei93, Wer84, Wri93, WL16c, WZY22, WL22, XLL15, Xio23, Xu15, YT15, YqS16, YW16, ZW22, ZVL18, ZF19, ZAK22, ZCW21, ZL17, dCdSA22, Ano79b, Ano16b, Ano16c]. **Linear** [TT78, MT84]. **linear-algebraic** [Bar07]. **linearisations** [Ves80]. **Linearity** [GR14, Rom07, WZ22]. **linearizations** [Adh13, BD14, DA22, DMQV23]. **Linearizing** [Chi78]. **Linearly** [Mer78b, Rus16, FT, PA20, Koh11, Pat83, SRRK22, YZH19, dCH21]. **lines** [SZ85]. **Liouville** [GMZ17]. **Lipschitz** [O20, RP04]. **_list** [Ano12b]. **listing** [Mum86b]. **lists** [Wil73]. **Literature** [KS17b]. **little** [Krä87]. **Littlewood** [AW13, AM90, BG90, Wat86]. **LMI** [Hil07a, Hil11]. **Load** [Kir14]. **Local** [AKY21, AK21, Ben74, BM94, CZZ22, CPF10, Gal79, HsM17, Liu16a, LT2, SY22, Yao22, ZL17, A20, AAUN22, BEH19, BDS13, BJS15, Ben18, BM15c, Cos14, DK14, EAM19, Epk89b, EPR16a, EPR16b, GSS09, GP22b].

Localization
[Ano22a, JL85, LR96, LLL15, LL16b, LZL16, MH20, PMP22, SL19a, Sen83].

Localized
[BZ22a].

Location
[Ano22a, JL85, LR96, LLL15, LL16b, LZL16, MH20, PMP22, SL19a, Sen83].

Locally
[Ano22a, JL85, LR96, LLL15, LL16b, LZL16, MH20, PMP22, SL19a, Sen83].

Locally
[BZ22a].

Loewner
[HS12, NS18].

Loewy
[Moh15].

Log
[GAMA23, KD16, TJG22].

Log-Convex
[KD16].

Log-Majorization
[GAMA23].

Logarithm
[CFSRL22].

Logarithmic
[DM13, OvdD77].

Lollipop
[LZ14a].

London
[KM84, MV91].

Look
[M19].

Looking
[DH91].

Loop
[D18].

Loopless
[SG09a].

Loops
[KMP19, MPI17].

Lorentz
[Hil07a, Hil11].

Lorentz-Positive
[Hil07a, Hil11].

Lorentzian
[NP91].

Lotka
[ALP22].

Low
[DO19, ARH15, Bal18, CFSGL18, Der18, DBG18, FP17, GLM+22, KS17b, Lf78, RH11a, RH11b, WW20a, WW12].

Low-Dimensional
[ARH15, RH11a, RH11b].

Low-Order
[FP17].

Low-Rank
[CFSGL18, Der18, WW20a, WW12].

Lower
[Bén11, BR19, Cal03, CW10, DTS14, Hon99, JB17, MC89, Mer81, PLH01, Pat77, Pat00, RH87, RH90, Rob75, AFM13, CR15, CW11a, kar83, KMN01, HL11, MF20a, Mar97, Mel13b, Neu83, Pat09, PS20, Ric78, ST94, SSG12, Tia17, Xio23, YSY17, ZBW16, ZWS20].

LU
[Neu81].

LU-Factorization
[Neu81].

Lucas
[Chi11, lGyW99, KA19].

Lusztig
[RS10].

Lyapunov
[AL78, BBP78, BV16a, HS85, LZ19a, Loc73, Loc74, Ori18].

M
[GT08, SA14, GT08, Wan77, XCC99].

M.
[Cha83a, For79c, Hsu85, Krä87, Mal89].

M/M/c
[GT08].

MacMahon
[BX11].

Made
[KS19a].

Magic
[BT10, Lor14].

Magma
[LPS21].

Magnitude
[Sin81a].

Main
[Ter01, Ter06, AFVL00, Bur95, FS14, FS89].

Major
[Gar79].

Majorization
[Bap87, BJ93, KPP13, BNKJ22, BBB18, FMX18, GAMA23, GJ22, GM90, JLL11, JMP17, IW12, LRD21, LP22c, Mas10, MSS19, Nie07, Nie22b, Nie22c, SA14, yT00, TJG22, ZL17, vE22].

Majorizations
[Hua22b].

Malcev
[BPSO12, KLO19].

Maligranda
[Nie22c].

Man
[Mer7].

Manasrah
[WZ14].

Manifold
[MR75].

Manifolds
[GH98, Muk20].

Many
[BS15b, Hua96, TLC16].

Map
[AF11a, AC13, Ahn15, Car20, Chu84a, LM96, LP16, San14].

Mapping
[ST08, Gol83, Gol90].

Mappings
[Pet10, TH18, BSO13, CL01, CG22, Eba92, FU00, Gha12, HLL18, HZXL15, JL12, Kuz05, LF13, Lim82, Lim90a, Lo93a, Lo93b, MW74a, Mc09a, PR12, Pat97, Tag12, Vel21, Wan17a, W11, ZL17].

Maps
[AN19, BDS13, BE22, BM15a, CG13, CL17b, Che3b, D04, Dol04, Dol07, EAM19, EM15, FKKS11, GM18, HH22a, LJ11, SH21, Slo14b, TH14, WJ16, XXF22, Zha04b, ZHH09, ZWW10, AA21a, AEV12, AS17, AG15, AC21, AKS18, BHD10, BHD11, BEH19, BBBS09, BH13, Bot87, Brel12b, CKS19, COK22, Car19, CL80, CL85, Cat21, CCL21, CM19, CC19, CW11b, CW12, Che14a, CW16, CY22b, CW23, CWSZ17, CSY18, Cho10, CK16, CK19, CK20, CKT20, CW22, CL21, Cos14, Cos21, DM17, DM20, DS13.
DHB07, DW12b, FDLB20, Fos05b, FHL+14, Fra13, Fra17, FH15a, GP06, GP22b, GJ22, HK16a, HR85, Heo16, HJ19a, HJ19b, HJ20b, Hil07a, Hil07b, Hii1, HH16, Hua10, JS94, JQ15, JP86, JLR+92, Jul21, KMS18, LP11, LF16, Liu15, Mar13, MA75, MR12, MS09]. maps [MO13, Mol09, MN12, MOGN18, Nag17, Nie07, OP13, Oge94, Oi20, OK07, Ore19, dSP16b, PR20, PW78, Pie79, Poo17, QH11, QH17, QC23, Rai87, Rj04, RS06, RŠ08a, Ruc89, ST22, She21, Slo13a, Slo16a, SDL10, SL17, TKT19, TB92, TXC08, WZC11, WZL13, Wat83, XCC99, XPY16, XL17, XZ18, YZ20, YH05, ZCZ12, ZX16, Zha16a, ZFX15, ZW14]. Marcus [And80a, AYT83, BD96, Cha89, Cha83a, For79c, GLS13, Hu87, Hu89, KL17, Krä87, Mal89, Mer17, ST80, Tam86, Tam91, Wan77]. marginal [Joh82a]. Markham [Kua18]. Markov [AS11b, CFSRL22, Gue17, Gue19, Gur98, HWX22, Kir14, ME18a, ME18b, ME21, Pan22, Sie99]. Martices [MNN+98, Wer87]. Martin [Koo95]. Marvin [Mer17]. mass [BS15b, XY22]. matchability [AKK+23]. Matching [LS21a, CHL18, CH22a, FLZ07, KS22a, LC14, LY22b, LGX22, LY22d, LW23, MF20a, Mum86c, Rau18, SYZL17, SKLS20, SKLS21, TW19, WL20b, WL18b, WL23, XZS19, YLW22, YS23, ZXL22, ZZ15]. matchings [AFTG19, FGHL22, GZ22a]. Mathias [FS15, Lim23]. Mathieu [dB16]. matric [PM78]. matrival [AK94]. matrice [Slo18b]. Matrices [AY74, BKL02, BL93b, BS04, BT98, Bru79a, Bru82, BF75, CLX03, CS21b, CA03, CD03, Cra09a, De 82a, Dom95, EMS02, Gar21, Gib92, GN02, Gra87, GK77, HS83a, JR93a, JKZ20, Jh91a, Jl90, JL93, JT95, JT04, JP07, Kap77, KW21, KK22a, KMS02, Lev74, LP02, MS74, Min74d, Nab98, New80b, Pei02, RR04, Rao1, Ric81, Ric85, Ric87a, Rob77a, ST73, Sin76b, SCH02, SJ02, SK03, SB03, Stub9, Tsz19, Tau74, TDL18, Zab90, Zha04b, do75, AG22, AA21a, AC15, Abo20, Achi77, AS95, AG16, AAK16, AR22, AAB17, AAT16, AGS20, ADJA122, ANK22, ARK22, AAJ12a, AJL14, AJL18, AAJ12b, AS20b, Ala20, AAKS21, AW07, AAB20, Alp95, AST05, Ami80, AMZ13, AedF13a, AEEdF13b, AdF21, AO78, AB78, And80b, AD17, Ang00]. matrices [Ano22a, AB19, APEPPS23, AG96, AM21, Arr17, Ati20, AKB21, Aue95, Aue98, ALP94, AA20, Aze99, BS15a, BHC16, BLX18, BJS98, BB06, BTop8a, BT10, BT22a, BST23, BBG22b, BBG22a, BBG22c, BG86, Bal77, Bal79c, BL83, BD90, BS91, BPSS0, BCN05, BK17, BZ90, BZ99, Bar74, Bar80, BGS3, BOvD91, BH90, BT90, Bas19, BHK78, Bea78, Bea85, BL93a, BL97, BL01, BS16, BS17b, BS17c, BPD88, BLD91, BL92, BP98b, BKS21, BDS13, Ben74, BH74, BB75, BT06, BL20, BL13, BSÜ13, BBM15, Ben05, Ben07, Ben87, BGV11, Ber17, Ber12, BB15b, BP74, BS97, BS98, BX07, BDK+05, Ber05, BZ97, dAB17, dAB21, BD85, BBP21, BB22, BH15a, BS17c, BLS12, Bo01, BR01, Bot94, Bot96, Bot97, BR96, BB17c, Bou13a, BCC12]. matrices [BKMMG22, BZ22b, Boz98a, Boz98b, Boz99, BT15, BT22, Bra86, BC17, BD13a, BCP10, Bru85, BS08, BD13b, BM18c, BM19b, BD22b, Bru79b, BK87, BZZ10, BSZW13, BGT15, BM16, BU95, Bu10b, CC17a, CM92, Cal97, Cal99, CQ18, CKGP21, CP81, CCS16, CUC21, CGY13, CK17,
Cao19, CCKL20, CMP22, CP97, CDM22, CFSGL18, CFSRL22, CdM15, CL92, CCS98, Cha83b, Cha84a, Cha88, CGW14, Che92, CKN95, Che07, CW10, CW11a, CZY12, CP16, CW16, CCW20, Che22a, CZWF23, CTW15, CKMZ22, CT96, CL14, Che17, CL05, CNP05, CNP06, CN08, CLNT17, CN21, CC23, CKS20, CH22b, CL13, CKL16, CK20, CKT20, CW22, CL01, CKP09, CJSW19, Coe96, CR77, CZ22, Cos14, Cra91, CL74, CGH14, CPLH17, CIP18, Cve18, DFFS23, DGL22, DA22, DPP17, De 90, De 75, Dec95, DTS14, DOP22].

matrices

[DD10, DCIW10, DRY22, DHS95, Din15a, DLI23, Do 96, Dod13, DL92, Dok93, Dok17, Domin07, Dom14, DC20, DC23, DW23, DMQV23, DJG+16, Dra22b, DJH4, Dru15, DdF15, DdF22b, DHH22, DH22, DN18, Div97, ERS12, Elg22, ELG88, EL90, Eo18, Els78, ER81, EJG91, ES98a, ES98b, ES00, ES76a, EV77, EM73, ESH23, Esh22a, Esh22b, Est80, ETM22, FL16a, Fal97, FV97, FM00, FX12, FT21, Fan73, Fan92, FL18, FW07, Fur17, FJ15, FWZ11, Fen10, FD09, Fer10b, FF21, FM22a, FS83, Fie90b, FP17, Fit94, Fla75, For79a, For79b, FS86, For88, For79d, Fos05a, FHL+14, Fra13, Fra17, Fre76, FH89, FM78, Fri84, FLS88, Fri12, FL16b, FLT22, FSWX22, FG22, FS15, FSY16, FIS06, FJZ21, FJ22, FS89, Gai77, GL18, GHL20a, GM98, GA18a].

matrices [GG22a, Gar85, GW15, GNL16, GJR97, GKS01, Ger86, GS21b, GS21a, GPM14, Ghi22, GV95, Gil76, GZ99, Gil14, Gil17, GKL18, GZ76, GT75, Go87, Go92, GH89, GS20b, GR10, GR93c, Gro97, Gro99, GL92, GP96, Gro17, GHT11, GKL16, GHL16, Gur79, Gur92, Gut22, Gyi78, Ha88, HC14, Haj18, HK79, Ha91, HA22, HJP17, HZ11, Har87, Har78b, HS83b, HS83c, HMAD13, HIN10, Hau12, HDJ97, HWZ18a, HR85, Her83, HS88, HS93b, HNS99, HS12, Hul17, Hul18, HLS18, HKO16, Hol85, HH85, Hon99, HJ87, HZ12, HM76, HM77, HM78, HLZ18, Hsi78, HLZ05, HH14, Hua01, HW06, Hua08, Hua10, HZ11, HZ20, HL20, HZ22, HK17, Hwa85, Hwa91, HK92, HS93c, HKS94, HMK95, HK95, Ibr00, IS15, IS16, IAM23, Ito16, IOMAN21, JK22, JGK79].

matrices

[JS90, JS96, JDD21, JR93b, JM13, JT17, JK10, Joh73, Joh74a, Joh77a, Joh74b, Joh77b, Joh81b, Joh82b, JR84, JP86, JR93, JSE90, JSS94, JWP98, JS99, JR90, JN14b, JUT00, KM19, KN22, KS16, Kan87, KS12, KS15, KS14a, KP22, KS22c, KM56, KLZ10, KCSC21, KP14a, KT21, Kim97, KS09, Kim13, Kim91, Kir91, KP92, KS93, Kir93, Kir04, Kir09, Kir11, KM11, KS19b, KS76, KS82, KKL18, KL19, Koa06, KNX93, KL05, KT19, KE82, Koz17, KS83, KS84, KM98, KS17b, KAE22, Kuz05, LR17, Lf78, Laf83, LL16a, sL19b, Lai81, Law19, Lee91, Lee98, Lei95a, Lei93c, Lew77, Lew97, Li86, Li87a, Li87c, LT88c, LT88d, LST99, LT90b, LT90a, LT93, LM93, Li95, LSOvdD95, LEH96, Li98, LS01, LPS08, LL13, LL14a, LLL15, fLLyP15, LZ16, LLC16, LLML17, LH21a, LWC22].

matrices

[LP22a, LHZ22, LM96, LL09, LHS+21, ILpW16, Lim79a, LT14, Lim15, Lim23, LT12b, LW12, LZ17a, LF21, LMMR01a, LMMR01b, Lit17, Liu92, LB99, LW11b, LW11a, LW11b, LLG7, LHGL22, LCL22, LL78, Loe87, Loe01, LS21b, Lon80, Lon81, Lon83, LSZ86, LM93, Lon90, LR89, Lop11b,
Lop18, Lov21, LSX19, LZ22, MM11, MVPS14, Mag83, MKGA23, MN80, Mah82, MM90, Ma91, Ma94, MRT16, Man92, MHH96, ML21b, MZ04, MS79, MKS84a, MS89, MR13, MR15, Mar20, MH19, MH20, MSZ04, MR07, Mas10, MH12, MP90, McC85, McD92b, McF79b, MS10b, Mee80, MS18, MMRR09, MMRR16, Meh84, MO93, Me112, MV91, Mer94, Mer98b, Mes90, Mes13, Mia93a, Min74b, Min74a, Min75, Min77, Min82a, Min84, Mir92, Mir18, MS12, Ms17, MS10c, MGG15, Moh16b, MTR19, Moh15, MP16b, MSS19].

matrices [MS98, Mol09, Mol15, Moo76, MS21a, MAH81, MAH21, Mou22, MZ22, Mou04, Mou13, MAM15, MA15c, Mur89, NMAB22, ND05, ND13, Ner22, NS99, Neu79, NP80, Neu84, NST91, NS92, NS93, New74, New75, NT86, Nie14, Nie10, Noi15, Nom73, NP91, NS22, NTU93, OP13, Omi14, OK07, Ore19, Pab22, Pat92, PS20, PG22, dSP12, dSP16a, dSP17, PU015, Pet09, Pet00, Phu80, Piz87, Piz87, Pok87, PT87, Pop14, PV20, Pul75, QLK22, QK02, RRR93, RW22, Ran18, Rea96, RW96, RR95, Rho87, Rho90, RS74, Ric78, Ric87b, RQ22, RD12, Rob75, Rod97, Roh91b, Roo20, RW21, RSM22, Rub20, Rys73, ST94, SSGP23, SC21, SS79, SU77, Sem97, SX23, Sen83, SM94, SMBB+15, Sha91, SG96, Shi15b, Sil88a, Sil88c, Sil90, Sil93, Sil95].

matrices [Sil98, Sil99, SP87, Sin90, SAV01, Sin73, Sin76a, Sin77, Sin80, Sin82a, Sin82b, Sin84a, Sin93, SST22, Ska17, Slo13a, Slo14b, Slo15b, Slo15a, Slo16a, Slo16b, Smi05, Smi76, Smi94, SH98, ST91, STZ94, Sol06, Sol14, Sou83, Sou84, Sou92, Sta15a, Sta23, Sul08, SH92, SWZB15, SK15a, SK15b, SvW14, TD14, Tal17, Tan86, Tam94, TT12, TZ19a, Tan10, TLL11, Tan13a, Tan14, TLC16, Tan18b, Tan20a, Tan20b, TG09, Tan81, Tho74, Tho75a, Tho75b, Tho80a, Tho80c, Tho87a, Tho88, Tia01, Tia05, Tia05a, Tia05b, TT06, Tia11a, Tia11c, TL12, TJ16, Tia18, Tia21, Tii77, Tii98, Tis93, Ton87, Tra89, Tra90, Tre85, Tre86, Tre87, TGW14, TAOvD93, TZ21, UÖÖ15, UPÖÖ16, Uhl79, Uhl14, UG21, Vas87, VM07, Wad90, Wal73, Wal7b5, Wal86, Wan76, Wan79, Wan80, WZ95].

matrices [WOY06, WZC11, WYM11, WZL13, IWpW14, IWW15, Wan16a, WC16, Wan17a, WS18, WLI18a, WLL19, WS23, Wan05, Wat84b, Wat85a, Wat85b, Wat77, Wat82, Web83, Wes87, Win85, Wim88, Woe93, WM84, Wör20, Wri22a, Wri22b, Wm09, WHC22, WX22a, WX22b, XCC99, XZ22, XQZ13, Xu93, XXZ11, XL11, Xup15, XPY16, XLI17, XZ18, XHL20, XCM20, XY22, YLS10, YLC19a, YLC19b, You80, YBCW96, Yu96, YW16, YZH19, ZZ16, Zel85, Zel75, Zen22, Zha00, Zha01a, Zha89, ZS05, Zha05, Zha14a, ZZZ16, ZFSX17, ZMG20, Zha20a, ZWW10, ZHZ11, Zha14b, Zha22, ZXF15, ZLW22, ZJC+22, Zho16, ZBW12, ZW41, ZCW21, Zho22, Zim89, Zou12, ZIC22, cc85, df13, dFSY22, dCH21, dPN81, vBW95, vR11, KNX95].

matrices-nonsingularity [ES98b].

Matricial [Far93a, MRS10, CKL+21, CH12].

matrices [DDJ76, HK80, NU94].

Matrix [AMP02, AP04, Afr73, AP74, And04, jAS15, AW13, AM90, BD94, Bov02, BC94, Che93a, Dat80, Der16, DSO2a, DS04, EMS02, Fan92, Fla74a, Foa79, FS18b, Gal03, Gil12, GMR81, Har95, JT03, KM22, Leh91, LT92d, LM96, LP03, Mir81, Net22, OW02, Pat03a, PT02, PY82, Rum97, Sin81a, Tho78,
Tia02, Tia03, Tur02, Wei98, Zha04a, AEAAES20, Abd20, AFVL00, Adh13, AS11a, AM13, AN14, AAD22, ABAH23, Ake83, AAB15, ABGP21, ABP22, AdFK15, AG15, Ano79b, Ano79c, jAS21, AELL20, AKB21, AY95, Aud15, BY19, BS21, BHY22, BK83, Bak84, BB06, BCR91, BJ75, BY76, Bap97, BGK99, BGK00, BKP01, BS11, BR14, BWF83, Bas17, BC82, Bea83a, Bea83b, Bea84, BC85, BD88, BS17d, BPKJ22, BGDH92, Bel83, Ben90, Bén11, Ben18, BT08b, BDV19].

matrix

[BT07, Bot94, Bou13b, Bou14a, Bou14b, BHK10, Bra86, Bre21, BGGS17, BC91, BF15, BS18d, BZ10, Bun91, BSS12, Caf13, Cal95a, CRW21, Cam78, CKP16, CL80, CJ97, Cav10, Che92, CH12, CLW15, CS18, CD21, CC21, CQ22, Che91, CCL10, CT09, CNP05, CN07, CN14, CM85, Cho10, CKKY23, Coh88, Con90, CC98, CC18, CICX09, CIP17, CIRW21, Dag23, DM22a, DM22b, DPvW13, DH86, DW92, Dec74, DTSI15, DH11, DM22c, Der18, Deu80, DHT94, DFDFA, DS09, DS17a, DS22b, Dok73, Dok90, Dok09, DB14b, Dom00, DLL19, Dwe22, DJ89b, DWL13, DWL14, DJS21, DS18, DS19b, EM95, EF98, ER90, EOvdD09a, EGT16, EOvdD09b, EB17, ESH23, FZ11, FTZ08, FHWE16, FNW18, Fei79, Fle81, FLR85, FSvW11, FuM18, FKKSI1, Fr97, FH15b, FSY16, GAGM18].

matrix

[GA20, GHL10, Gil93, GKLR82, GLR82, GRSW92, Gol89, GG22b, Gon17, GB90, Gow80, Gra80, GHV99, Gre99, GPK94, Gro96, GJMWS, GTM14, GT79, Gus81, GHT16, Ha89, HK16a, Haj18, HKP32, HL10, HZ11, HLZ22, Har81a, Har94, Har96, HP90a, HP90b, Has18, HKT15, HaV88, HBI73, HW13, HW14, HW15, He21, HS81, HLT22, HS88, HS89, HS91, HM23, Hia94, HS87, HMP91, HBP18, HS16, Hou21, How83, HT10, HXL16, HLPW17, HM18, HWSH13, Hu81, HPV84, HPV88, HLP23, Ikr15a, Ilk20, IH11, Iov15, INO15, JS22, JP15a, JT23, JKD16, dJLJZ21, JZ22, Joth77a, JKS79, JOvdD84, JOvdD85, J99D, JS08, JST18, KMR89, KS22, KS16, KM85, Kar83, Kat75, KM17, KFR17, KFR20, KL12, KA19, KOvD09, KS07, KLPK17, Kol23, KMS22, KPP21, Kov77, Kra05].

matrix

[KMS07, KML95, KLZ96, KK16, Kur04, Kyr08, Kyr21, La80, La84, LRR87, Lás91, L209, Lec15, LM22, Lei93a, LRT91, LR96, Lew96, Li84, LT88a, LT91, LP93, LP00, LLS10, LZ11b, LLY15, LLL17, LC20, LLC11, Li21b, LCH22, LLC22, LPWX10, LWWX15, LW11b, LC18b, LQ95, Lip96, Lip98, Lip87, LW08, LT10, LTT11, L22a, LL22, Ltr22a, Ltr22b, Liv94, LMR00, Lop11a, MJ07, MS10a, MDW11, MW16, MT22a, Mag22, Mag83, Mai11, MS83, MS083, MRT14, MS84b, Mar89, MR97, MP98, MS95, Mat90, Mat92, MP87a, McD92a, MS81, MK22, Mel13b, Mel8, Mel19, Mel20, MK16, MNS22, Mer74, Mer78a, Mer82, Mer83a, Mer89, Meriy22, Mol18, MP94, MP95, Mpv95, MM23, NNT95, NTW23, Ned98, Neu83, NP0, Neu81, NP73, New67b, New78, Nof15, NT94, Ohl12, Ogu20, Oi20, OvdD77].

matrix

[Pal79, Pat82, Pat03b, Paz84, dSP11, Pea84, Pen15, PLPC19, PM23, PW78, PGAB22, PM81, PM85, Pre85, PV00, PH97, QD85, RS07, RS18, RR91, RS10, RP04, Roh06, RF19b, RF19a, Roo20, Rou98, Rys75, SRK22, Sa17, Sa12, Sa14, SA07, SSZ22, SQM99, Sa20, SMM14, Sch77, SM20, SM22a, ST80, SLUG04, Shi15a, ySpW17, Siv06a, Siv06b, Siv07, SIT22, Sl014a, Sl017, 49]
Slo18a, ST96, ST00, SBMP16, SC22, Sta15a, Ste94a, Ste94b, SX12, TD16, 
TD19, TZ06, TZ17, Tau73a, Tau81, Tho87b, Tho89, Tho92b, Tia00, 
TC04, TS05, Tia10, Tia11b, Tia17, Tik98, TT18, Tos79, Tra84, TSYB82, 
TRM22, Uhl13, Vas86, VY21, Vla22, Vla23, VM18, Vrb86, Wal11, Wal75a, 
WZ07, WHX08, WH12, WZH13a, WZH13b, Wan19b, WL19, Wan19c, 
WW20a, WMFW21, WC22b, Wat83]. matrix

[Wat90, Wea83, WW12, XSH18, XWT22, Xu22, zY11, Yin21, YSY17, YqS16, 
YL11, YLW15, YW16, YZL17, YTL20, YZL22, bPFZH08, Zha04c, 
ZCZ12, Zha15a, Zha16b, ZL21, ZWLZ22, ZLZ+22, ZW19, ZX10, ZV19, ZAK22, 
ZW10, ZW14, ZWM17a, ZWM17b, dFK21, dB14a, dOMD77, dBS00, vWZ19]. Matrix-analog [Fox97]. matrix-product [LLY22]. matrix-subadditive [Tik98]. matrix-tree [Mer89]. Matrix-valued [Tur02, Gil93, Oi20, Tia17]. matrix-weighted [SMM14]. Matrizen [SU77]. matroids [BVW84, Mum86a, Mum86b, Mum86c]. Maurey [Pop20a, Pop20b, Pop22]. Max [SK03, BPS00, BSS12, ISCS11, KS15, LL14b, Mer94, Moh15, Shi16, Tia18, 
IWPW14, IYW19, ZBW16]. max-algebra [BSS12]. max-cuts [Mer94]. max-min [Moh15, Shi16]. max-plus [IWPW14]. max-relative [ZBW16]. Maxima [YGW15]. Maximal [Bal79b, INO15, Mos20, Yiz03, ACO21, 
BM22a, BS21, BBK22, CH22a, GF10, HKS94, HKS95, JLL07, KM01, 
KS17a, Oml14, Tow22, UZ16, WL16a, Wes80, YS23]. Maximality [Fri85].

maximally [Alo16c, Ous15b]. maximization [DJ89a]. Maximizing [CL14, FKP03, FTZ08, GZ22a, LP07, Pat07, Wh11, GMW86, Hu94, Sha94]. Maximum [BdP21, FV97, Bf95, BF90, BS22b, CCGO11, Cha88, DLSS18, 
DJ89b, FTA20, GWW20, JD99, JLS09, LH23, MM11, Mac95, Mal86, Mer80, 
Sin83, SQSZ16, SL21, Wan79, Wan22b, XW19, Zha05, ZL19, ZZZ23].

maximum-nullity [BS22b]. Mazur [CAP20, JVMCPR19]. Mean [MS81, AG22, ASR22, Ala16, BP12, CW10, CKS20, Dra18a, EJD88, FP17, 
FS15, FS19, FS18b, Lin23, LS17, Pep19a, Pep19b, SY23, Wim85, vBW95].

mean-type [SY23]. Means [ZJC+22, CPKK22, DDF22a, FH15b, FSY16, 
FMS19, GHT11, HSW19, JKL22, KMS18, KMS21, KM22, KK16, PSMA16, 
Rai14a, Rai14b, Rai19, ST94, Tom22, Tra84, Web83, XZ22]. Measurable [Sim83, AR22, BO22a, Han17, Sha20, SY23]. measurement [CP16].

CW20, CL22b, Chn90, CIW21, Gib89, Haj18, KN81, LZ16, Li21a, LZ19b, 
LC18b, LL22b, Neu84, PLPC19, Sad23, SN22b, SAK22, WLF22, WL16c, 
WZW22, WL22, Xio23, XY22, YZH19, ZL21, ZWLZ22, ZZL23, ZWZ23].

Methods [SX22, ALP94, BNKJ22, Cro18, EJS22, HK21, Hua22c, KM17, 
LW17, LW10, SM20, ZV19, ZQZ21]. Metric [AEV12, Rod02, BdPN14, CAP22, OWTZ21, SC20, Tho78]. middle [CJY22]. mimetic [CG17]. min [ISCS11, LL14b, Moh15, NSW21, Shi16, Tia18].
FSWX22, Gro99, HPV84, HPV88, JGK79, KMRS89, KR07, Kyr11, Li11, MZ15, Men22, PM20, PM22, PA10, Ron21, SC20, Siv06b, SZBW16, SPS15, TC04, Tia05a, YZ14, Zha04b, ZFSX17. **Moore-type** [CFGM06]. **Morita** [BDvW12]. **morphism** [LCZW19]. **Morphisms** [Har84a]. **Morrison** [SC20]. **Moser** [LN16]. **most** [AVV18, BTT20, BL21, HLW21, LZ15b, TWZ16, YHS13, tHK17]. **moving** [GOS22]. **Moyls** [ST80]. **multilinear** [SMBB15]. **MPW** [BMS83, Be83b, Bea84, Mer82]. **MSMAOR** [ML16]. **MSMMAOR** [Li21]. **Mühlbach** [dc13]. **Mullin** [FW73, Gar73]. **Multi** [LLL09, ZZT23, BNN22, DM22a, SX23, WZ22]. **Multi-** [LLL09, WZ22]. **multi-affine** [SX23]. **multi-block** [DM22a]. **multi-linear** [BNNK22]. **Multi-step** [ZZT23]. **multiadditive** [Eba92, Fra13, XZ18]. **multianticommutators** [MR08]. **Multicommutators** [MR08]. **multicone** [HLB22]. **multicone-** [HLB22]. **multidimensional** [CL14, KL19, Min80a]. **Multifold** [CHU22]. **multiform** [Poo94]. **multigraphs** [BM89]. **multilevel** [dBS00]. **Multilinear** [Ano79b, Ano16b, Ano16c, HFS15, HF18, LMMN20, MT84, Pop22, Slo18a, Slo18b, TT78, Vel21, Whi74, Whi75, Whi79, ADRP14, AADD18, AP17, BT17, Cam14, Car20, CG22, De 82b, DV19, Erd22, FU20, GP22b, Guo20, HK23, Hec16, HJ19a, HJ19b, HJ20b, Hor04, How80, Lim00, LT22a, Oge94, Pam87, Pat83, Pat17, PR12, PSS15, Pie74, RSPT17, SDL10, WLB19, Wan19c, WW01, Wit11, BD22a]. **Multilinearity** [FON92, DF87, Fon89, LC83]. **multipartite** [JKY23, KS93]. **Multiple** [HH14, AAP19, Cam14, HZXL15, JS08, JSW09, LW08, NASR19, Pop20b, Rad16, RSPT17, Yin21, ZX10]. **multiples** [GKL892, Tho86a]. **Multiplication** [Bre12b, De 75, MO94, Wat85a]. **Multiplications** [FDLB20, Bun94, Tur16]. **Multiplicative** [BD12, BC82, CQ22, Cheo3b, Ger74, LR04, QZ16, AGAG96, CZ23, DLM18, Est80, HIL17, MID17, MZ15, Poo17, QH11, YZ14, ZFSX17]. **Multiplicatively** [AA21a]. **Multiplicativity** [New94, Pro95]. **multiplicities** [Da 05, GMV18, Uhl99]. **multiplicity** [DLI23, JD99, JS09, JLS12, JST18, LLH18, TJ21, WWWT22, XW22a, XLS20, Yu14]. **multiplier** [AS20a, PN22]. **multipliers** [GNO20, JK10, Liv94, Meij19, MAT22, SA17, Xia20]. **multipolynomial** [Vel21]. **multiplilingual** [CL21, ZV19]. **multivalued** [AFM13, Amm23, Gar23]. **multivariable** [MMR07]. **Multivariate** [BLS22, Par78, Chu22, HHSY22, HSW19, LCC22, SK15b, ZL17]. **multiwavelet** [CJ12]. **multilinear** [Mer92]. **mutual** [CP16]. **mutually** [LHS21].

**N** [BMD87]. **Nagata** [Koh11]. **Nagumo** [FP17]. **Naimark** [HT10]. **Natural** [GHL16]. **naturally** [ACO21, CCGO11]. **near** [BGLSS20, DH20, HCS19]. **near-vector** [DH20, HCS19]. **Nearest** [Rum97, SKR22]. **Nearly** [BB15b, Kim13, GSS09, Hars78, Sha91]. **necessarily** [LD19]. **Necessary** [Gue17, HB83, PH03, SQ15, AW07, Wan82]. **negative** [Ano79b, BGGS17, CCU21, ELG88, GA20, GR14, GP96, JKS79, Józ15, LHS21].
nonabelian [CFL22a, Mah82].
nonassociative [KP92].
onbinary [BG86].
Nonchordal [GLP92].
Noncircular [GW12].
Noncommutative [Yu96, Gut01, KW21, Nas74, Sha18, dPN81].
Noncommutative-nilpotent [Yu96].
Noncommutative-spaces [Sha18].
noncommuting [FW86].
Nonconvexity [Sol97].
Noncorona [AHJ21].
nondegenerate [CH12].
nonderogatory [FW13, Laf78].
nondifferentiable [Beb86].
negative [EM73].
Nong [Uhl13].
nongraded [GPW22].
nonincreasing [CL01, Loe93a, Loe93b, Ore19].
nonintersecting [AST05, Che22a].
Nonlinear [BBEL18, BEH19, BH13, CM07, Cro18, DL22b, FJ09, HT10, HXL16, IS15, JT95, Liu18b].
Nonnegative [Bak84, BN88, CBQW19, Che92, DS16, JGK79, JT03, Lew77, Shi15a, SB03, TDL18].
Nonnegative-definite [Zha04c].
Nonnegatively [LS10].
Nonnegativity [BFI22, HRT15].
nonperiodic [CKN95].
nonpositive [FJ15].
nonpowerful [GSS09, SSC12, YMY13].
nonprincipal [Loc87].
noreal [EJ91, Esc93].
nonregular [Gil12].
nonrelation [Tho88].
nons [FJS14].
nonself-adjoint [FJS14].
nonsingular [AEF13a, AEdF13b, BY76, BNP06, CL22b, FJ09, HT10, HXL16, IS15, JT95, Liu18b].
nonsingularity [BLZ10, BSU13, ES98b, LWB11b, LCL22].
Nonstandard [Ore19].
nonsymmetric [BJ94, BT07, BSO17, SW22].
nonuniform [BV16b, BV16a].
Nonzero [CL86a, CL86b, DF90, CM07, Cro18, Fr12, GGH2, GG22b, KMOV07, MY12, TDL18].
Nordhaus [Das21].
Nörlund [CW10, TD14].
Norm [AHK19, BDK21, Du10, FJ09, FSXW22, FSY16, GLan21, JH14, Liu22b, Neu74, Sdo04, Sha18, SA10, ZMC19, ANK22, AE10, AA12, BJ13, Bou06, BKMM22, CL17a, CD21, DO19, DM87, FM21, IF73, Gar75a, GAMA23, Gil93, Gil17, Gog21, Han17, Hia94, HM78, JKL22, Joh77a, JLL88, JN90a, JN92, KL95, LTT84, Lon83, LSZ86, Luo19, M094, MR19, Oku91, Oku93, Pat09, Peo19, Pre85, QHB22, Roh00, RF19a, Sai21, ST73, WLZ22, WZ23, YSK15, YL11, ZFSX17, Zou12].
Norm-parallelism [ZMC19].
Norm-preserving [Liu22b].
Normal [AP04, BD94, Far94, GW04, JMS15, KL15, LMMR01a, New94, Arm17, Ay95, BT08a, BK17, BD88, CM22, Cha96, CN05, CM22, Der83, Epp89b, Epk89a, FX12, FJ22, GJ91, GR93b, GRM13a, Hua90, IH11, KLS08, Kun99, Li98, LMMR01b, LL22b, MRT16, M75, Mc85, MZ91, NTU93, Pre95, QK92, Rad12, RR22, RR23, RW21, STZ94, SPK15, WZZ22, Woe97, Xu93, YC19].
normal-preserving [Kun99].
Normality
AAK16, ADJAH22, Alo21, AM21, AYT83, AY84, AY95, AyT84, ALP94, BM22a, Bal80, BDK21, BD88, BLD91, BL92, BdP12, BdPN14, BBK22, BHK21, BP22, CRW21, CDM22, Cha92, Cha93a, CC14, Cha18, CLP22, CGW14, CL17b, Che94, CL94, CT96, CT09, CL13, Che14b, CL14, Che16, CML15, Chi98, CNP05, CN05, CNP06, CN07, CN08, Chi11, CN15, CGL+16, CLN21, CH10, CGHK08, CKP09, CLMR09, CF23, Cro08, Da 94, DHKSH08, DvE20a, DM14, EDKA07, EM15]. numerical [FT87, Far93a, FMZ22, FNBR96, FHL+14, FL16b, GW08, GW12, GWW16, GS21b, GS21a, GT75, Go79, HH16, Hu89, HT91a, HT91b, Hug90, IOMA21, IOMAN21, JLL07, JL88, JSG94, Jon92, JNBR93, JR93c, JR94, KV23, KPL+09, KP14b, LLS14, LLS16, Lei91, Lei92, LT92a, Lei93a, Lei93b, Lei95b, Lei95a, Lei98, LTT84, Li87c, LT88a, LT88c, LT88b, LT91a, LT91c, LMR94a, Li94, Li96, Li98, LSS01, LZ01, LPS09, LT09, LPT11, LWC22, LP16, LP22, LP22c, Man87, Man91, Man92, Mar75, MF79, MS79, MW80, MS82b, MS85b, MP87a, MS87, MR97, MP98, MM09, Mel22, MQ21, MQ23, MS21b, MS15b, MS16b, NNT95, Oku93, OM21, Pep19b, Poo80b, Poo94, PV00, QHB22, Rod08, RW21, RS08b, RSM21, RSM22, Sab19, SM21, SRS21, SA07, ShDHG08, ST80, STZ94, ST96, Spi00, Sza09, Tam85, yT86, Tam88]. numerical [Tam94, Tam98, yT00, TS19, Tho80, Tho87b, TGW14, Tsi81, Tsi83, WZD16, Wes75, Woe08, WC12, YLC19a, YLC19b, YC19, Yu98, bPFZH08, ZHH09, vD96]. numerically [DS23b]. Numerous [SG18].

Objects [NW02, LN10]. oblique [BT13, GT98, Gro99]. observations [Egg95, Sma17]. obstructions [Kar90]. occurring [JWP98]. odd [AM13, AP23, BBG22b, SSW15]. odd-bipartite [SSW15]. Odd [DH95, DW23, WC12, Zab89]. Off [DH95, DW23, WC12, Zab89]. Off-diagonal [DH95, DW23, WC12, Zab89]. Olga [Sch77]. Oliveira [BMD87, GLS13]. Omega [Net22]. One [Bre17, CKKK22b, Cha84a, LW23, ZWW22, ZWM23, AVV18, BHD10, BLP08, Ben90, Bent11, dAB17, Bot87, BM16, Cat21, CCL21, Cho10, CL01, CAP22, DH16, Ell95, Esc93, FT21, GMV18, Gur79, KS82, LL16a, Lim90a, LZ15b, MO22, MMRR16, Oe19, Shi15a, So99, SKP18, SH92, TNJ22, WL18a, WM21, Wat85b, YLW22, ZS05]. One-generated [CKKK22b]. One-matching [LW23, YLW22]. One-parameter [Bre17, MO22]. One-sided [ZWW22, ZWM23, WM21]. ones [HL05, Liu92, Wan05, Wu09]. only [MO91, Ram22]. open [CFSRC22, dFl11, dF13]. operad [Bre17, BS017]. opérateurs [Del94]. operation [Bre14, YW19]. Operational [Rom82]. operations [Cir15, Joh11, LZ15a, MN04, YGZC22, Zha14a]. Operator [CW11a, Dra19b, Dra21b, DH03, Far02, FZ21, Gsu94, JKZ20, JC22b, KJF23, LL20, LK21, M802, RS85, Tl17, WZ14, YSK15, AAP82, ADJAH22, ASR22, All14, AXH15, AO97, Anj17, BHC16, Bak16, BM19a, Bal22a, BDK09, BJS15, BD84, BBP21, BP22, BH16, Bon13a, BC20, CKGP21, CL91, CDJ13, Che14a, CL17b, CNUV16, CC18, CIP17, CIP18, Cve18, DMT21, DD10, DCW10, DV18, DD12, DC20, DC23, DW23, EASJ18, FJS14, FTGSNV22, FH15a,
FJK98, FMS19, GR23, Gha21, HC14, HH22a, HS81, HSW19, HOT15, HQ18, HZX22, Ikr15a, JE21, JKH20, JX13, KS14b, KMS18, KD16, KMS21, Kit91a, KK13, KL19, KL22, LY22a, LM85, LWC22, LS15, LD19, LFY16, MO94, MM20a, MM20b, MGH19, MF20b, MFS22, Mos19, NY23, Nik22, PSA14, PSM16, dSP16b, Pep19b]. **operator**

[Rad16, Rai14a, Rai14b, Rai19, RSM22, SRT22, Sed11, SR17, SG18, Son14, SY23, TR21, TD14, Tom22, TRM22, WHL22, WHC22, XQ16b, XSH18, Yu14, ZZ16, ZHH09, ZZZ16, dPN81]. **operator-eigenvector** [Che14a]. **operator-entried** [dPN81]. **Operator-norm** [YSK15]. **operator-valued** [GR23]. **Operators** [BLdPS04, Ber02, DS02a, DKK19, GW17, HT91b, JKKZ20, MS02, Pop20b, Sed04, SB03, AN19, ADRP14, AR22, AGV19, AAPR19, Alo21, AHK19, AFM13, Amm18, AP17, AO22, AFA22, BK21, BHD10, BM15a, BFM20, BN22, BDK21, BP89, BP90, BP92, BL93a, BdPN14, BM22, BO22a, BLZ11, BHK21, BP22, Boa13, BJZ13, BPR14, BT17, BPCM18, Bou18, BE22, BM15c, Cam14, CW81, CQH15, CL17a, CZZH22, CN05, CGL+16, CH10, CF23, CGM19, CN15, CM22, DH17, Del94, Den14, DLD21, DLD22, DV19, DKY22, DM13, Dra10, Dra11, Dra18a, DK21, ER22, EAM19, Erd22, Esh17, Fan83, FMY18, FNBR96, FJK22, FMXZ22, Fur08, GT14, GLX22, GGA21, Gar23, GCSC20, GR81, GW12, GJR22, Gil16, Gog21, GR91, GR93b, GG22b, GHL20b, GMBM21, GC22, Han17]. **operators** [Han19, HMK22, HBM15, HH16, HL21, HKS94, ISCS11, IOMA21, IOMAN21, JS19, Jac79, JKH20, JK16, JX13, JKL22, Jon78, JS15, KN22, Kan16, KKL22, KKL20, KDHJ22, KKY22, KP92, Kit91b, KL15, KLL22, KLS08, KKKc, Kut19, LLMT05, LS96a, LS96b, Li87c, LT88c, LT88b, LT90b, LT90a, LT90c, LT93, LM93, LP93, LMR94b, LS01, LZ01, Li11, LPT11, LD19, LS17, LGG19, LW20, LFX23, LB21, Luo19, MCL20, MSS13, MPD22, MDP22, MF79, MS09, MZ91, MP18, MP19, MN12, Mos20, MM22b, MB22, ME18a, ME18b, ME21, Ogu20, Oi20, OM21, Orl18, PSS15, Pep11, Pep19a, Pep19b, Pet10, Pop17, QKH22, QHB22, RT09, RS85, RRN22, RRN23, Rao18, Ras17, Ras19, Rho94, Rod08, RF19b, RF19a, RSM21, RB22, RSPT17, SPMR20, Sai21, Sam78, SES21, ST19, Sed11]. **operators** [Sha18, Sha20, SA10, SHC22, Shk12, SA22, Suc22, TH14, TD16, TD19, Tan13b, TMH21, UB22, Wu79b, WD17, WTD22, WZZ22, Wu81, WZZ22, WW20b, WC12, YK22, YC19, ZMCN19, ZZ16, ZZC17, ZZ00, dBS00, Ano22]. **operatorwise** [DKK19]. **Oppenheim** [LP22a]. **optical** [FP17]. **Optimal** [AP17, dBS00, BGV11, Blo95, CHFC19, DS23b, Ig199, Knu85, LN10, NW02, PSS15, SS79, Sha91, Sm17, Ves80, LW14, WM84, XJS20]. **optimal-node** [LW14]. **optimality** [CPKK22]. **optimally** [LOO22]. **optimization** [BLX18, SW22]. **orbihedra** [ZZ00]. **orbit**

[CHZ22, Far90, Koi21, LT89a, LP22c, LP22b, RS07, Zha01a]. **orbit-closed** [LP22c, LP22b]. **orbits** [CQ18, DRW93, GS19, LPS08, LT13]. **Order** [AAT17, KW17, Pen02, vBW95, ACMS10, jAS15, jAS21, BS21, BT20, BS18b, BH13, BH16, BMGMC16, Cam83, CN21, Car20, CQW16, CJ12, CJK22, Cir15, Cir16, Cir17, CC22b, CGM19, CM07, CCLN16, CN15,
ordered [Sta15b, SF17].

ordered [Leg06].

Ordering [GZ22b, Har78b, OST20, WL15, WC15].

Orderings [MP16b, Gro97, Hey88].

Orders [Mar18, And96, JS15, MRT14, Mar15, MRD15].

ordinary [ZG08].

Ore [BZ22b].

Oriented [MR19, CT16, Gon17, Sta22, Tik22, WLF22].

orthant [Mar92].

orthant-monotonic [Mar92].

Orthochronous [Les93].

Orthogonal [BD97, GP14, GKW76, HMR22, Hol95, Hor04, HZ21, Koi21, Lop11b, Per17, ySpW22, SZ19, Sri20, BT11, Bas17, BBM15, CR22b, CH87, DP00, Dok09, DWCD19, Ell95, FM22a, Gal08, GAGM18, GZ99, GHT16, JWP98, KW92, KMP19, LM09, Lim01, Ma95, MRT12, MG19, MR08, MAH18, MAH21, ME18a, SM19, Sta23, TL12, Vin06, WZ91b, XI08, Zha01a].

orthogonalities [TAK22, WZ23].

Orthogonality [AO22, BM22b, DS02b, Gro17, Hol04, RŠ06, RŠ08a, RB22, WZ22, AR15, AV22, BBK22, CP13, Fan88, FMZ22, GP14, ME21, Per17, RŠ09, RS23].

Orthogonally [AGV19, RS17].

Orthonormal [KCBR87, LZ01, MC86, WG91b].

orthostochastic [PT87].

orthosymplectic [Lee94].

oscillatory [CP97].

Osima [HK16b].

Ostrowski [Mar76, QLK22, SHE77, WWW20].

Ostrowski-type [WWW20].

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

otherwise [Bal89].

Oussa [Ano16c].

Outer [KM14, SPKC15, SK+20, AB17, Boa19, FLT20, KCS21, LMR94b, LY21, MW22, SMM22, Tia01, TS05, YHS13, YGW15].

outer-planar [YHS13, YGW15].

outindependent [FG06].

outputs [GOS22].

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].

packing [DWL20].

PageRank [Guo20].

pair [BT13, BZ90].

pairings [Yuz84].

Pairs [BG86, Do 96, Rod08, SB03, Tan74, AGB9, AGB9, BZ99, Bea78, BDD23, Cal97, Cal99, CLW15, Che17, CDK20, Dod13, Dra23, Fer10b, FKK11, FXY22, Gal08, GP06, GKM14, Gur79, Gur92, HZG14, HZH20, KG13, KC16, KKY22, MP21, dSP22, Pet00, RBB22, SH98, Uhi82, WHG17, Wat77, ZLS22].

pairwise [PP22].

pallindromic [PM23].

pall [Adk95].

Paper [Mar82b, Tam85, IY19].

parabolic [CW11b, CX12, CW12, CY22b, Den05, LCL13, Sch79, WYW11].

paracontracting [WC16].

parafermion [LY22a].

parallel
parallelism
[TA22, ZMCN19]. parameter
[Adh13, Bre17, CGH15, Hua22c, MT22a, MO22]. Parameters
[Rod02, GLLM21, Koo95, LWL21, PLL22, XSW22, ZL22]. parametric
[DM22c, HAMD13, Ska17]. parametrization [AG15]. paraphrases [Leh91].

Pareto [AS17, BS21]. Parity [ASZ02, TI77]. part
[CS21b, Dic84, Dru15, JN80, Joh84, JL91, MAH21, SU77, Sil99, ST96].
Partial [HS83b, Tia02, BMGMC16, Cal94, CKGP21, CMM20, Cho18a, Cho18b, CKS20, CM85, Cir17, Cla92, DD10, FM22b, GWW16, Gro97, GHT16, Har78b, HK10, JR84, JUT00, JS15, KMS16, LPT14, MT22a, MRT14, Mar15, MRD15, PT10, SM23, TSYB82, WL15, WC15, WL18a, WCS+21, Woe93, YJ21, ZCZT22]. Partially [Bal18, CC17a, Leg06, Sil95].

particular [BS15a, BCdHP10]. partite [Shr90]. partition
[Ati20, BX11, DF87, FTA20, Fon89, YZB22]. partitioned
[FL16b, JMP17, MT22a, YLC19a]. Partitions [Kes83, PM81, PM85, ST97a, Chu90, Cla92, Cve85, Fer09, Fon92, Hey88, IK22, RW84, SS12, TOM88].
Partly [MOvdD90, McD92b]. parts
[AS12, CB22, GW17, GHK16, Ha89, KL22, Pal79, PP22]. Pascal
[AFVL00, CKM18, CKNY22, TB01, ZAK22]. Pascal-like [ZAK22]. passage
[HWX22, KN00]. paths
[DP98, JS99, AAGL22, Guz88, Hou17, RP90, SRD19, Wan21]. paths
[AST05, KMP+19, RW94, Ste94b, WSH+11]. pattern [Ach77, BJS98, CHK00, LLS10, LLL09, LCL22, MM11, Mer83a, SM94, WYM11]. patterned
[NU94, vR11]. Patterns [MOTvdD03, BJS98, BM12, CJ97, Cav10, CJ20, CM07, EJ91, Ese93, FHL+13, GGH22, GS01, GS06, GS09, Har91, Har95, HS93a, HLOOK20, JL93, JWP98, KMOV07, KOvD90, KMT96, Kir11, LGA+13, LHBL+15, MA15a, MY12, YMYS13, YHCW14, ZHLZ13]. Pauli
[MS15b, MS16b]. PC [Shc21]. PC-maps [Shc21]. pd [YZL22]. Pellet
[Me18, Me20]. pencil [DKY22, Gon13, LC18b]. pencils
[Atk91, BY76, DS22a, LL14b]. pendant
[LT12a, LDL17, WWZ20, WWWT22, WDJ10, XW19]. pendent [ZL19]. Penrose
[BT22a, BST23, Bap97, Boa19, Bom02, BGZW16, CC22a, CHZ22, DD10, DW12a, DLW18, Fei95, FSWX22, Gro99, HP94, HP98, JGK79, KMR89, KR07, Kyr11, Li11, MZ15, MMD20, PM22, PA10, Rom21, Rom22b, SC20, Si06b, SZBW16, SPS15, TC04, Tia05a, YZ14, Zha04b, ZFSX17]. pentadiagonal [AdF21, MMG15]. pentagonal [Sim83]. Per-spectral
[ZWL15]. Perfect [CF21, CG16, KMP+19, LCWW22, PB17, TM19, ZLZ20, AFTG19, BJ94, BTT20, DP09, FGH22, GZ22a, KS22a, LCXC22, Que08]. period [New80b]. periodic
[BB19c, CKN95, CLW15, DdF22b, IOMA21, IOMAN21, Sat11, Sie99]. periodicity [MNS22]. periods [JKY23]. Permanent
[BC78, CD03, Hon92, Pat03a, Coo96, DJ89b, Fal97, F886, GMW86, Hon91, Hon93, Hu94, Hwa85, Hwa91, HS93c, KS84, Lim79b, Lon73, LM89, MS85a,
Mer80, Pat96, Phu80, Sin73, Sin76a, Sin80, Sin84b, Sol97, Sol00, Stu92, lWY19, dF05, dF13, dF19.  **Permanental**

[JP87, LZ11b, Pat89, Bap91, BF75, Cha90b, DJ89a, For79b, GHL10, HT91b, Kop94, LT92a, LZ14a, LW22b, Lon97, Mal89, Sou03, WL18b].  **Permanents**

[JP87, LZ11b, Pat89, Bap91, BF75, Cha90b, DJ89a, For79b, GHL10, HT91b, Kop94, LT92a, LZ14a, LW22b, Lon97, Mal89, Sou03, WL18b].  **Permutations**

[Ch79, Kap77, Leh76, LF16, SRW07, Wan80].  **Permuting**

[CL14, Hol85].  **Persymmetric**

[Wei82a, Wei82b, Wei83a, Wei83b].  **Perturbation**

[BCM18, CQW16, CLX03, Din00, DM79, For88, HZ03, Kit81, KS76, Pat81, SHC02, SJ02, Wan05, BE90, Bur95, Cal95a, Cha83b, Cha84a, Cha88, DH91, ES73, For79a, FM78, Fri82a, FLS88, Fri90b, Gol92, Gy78, KS82, Krä87, LHP75, Min74d, Min80b, Min83, Min84, Min87, Pat92].  **Perron**

[AD17, BOvdD95, BAN12, DM87, EJD88, Fie73, Har78a, JP17, KNS96, KF98, Mel13b, Mey15, Roh06, SPS15, vBW95].  **Personal**

[Pri78, TT78].  **Perspective**

[BT11, CDM22, Koi21, NS18, Nik22, Woo22].  **Persymmetric**

[Vei82a, Vei82b, Vei83a, Vei83b].  **Perturbation**

[BCM18, CQW16, CLX03, Din00, DM79, For88, HZ03, Kit81, KS76, Pat81, SHC02, SJ02, Wan05, BE90, Bur95, Cal95a, Cha83b, Cha84a, Cha88, DH91, ES73, For79a, FM78, Fri82a, FLS88, Fri90b, Gol92, Gy78, KS82, Krä87, LHP75, Min74d, Min80b, Min83, Min84, Min87, Pat92].  **Perron**

[AD17, BOvdD95, BAN12, DM87, EJD88, Fie73, Har78a, JP17, KNS96, KF98, Mel13b, Mey15, Roh06, SPS15, vBW95].  **Personal**

[Pri78, TT78].  **Perspective**

[BT11, CDM22, Koi21, NS18, Nik22, Woo22].  **Persymmetric**

[Vei82a, Vei82b, Vei83a, Vei83b].  **Perturbation**

[BCM18, CQW16, CLX03, Din00, DM79, For88, HZ03, Kit81, KS76, Pat81, SHC02, SJ02, Wan05, BE90, Bur95, Cal95a, Cha83b, Cha84a, Cha88, DH91, ES73, For79a, FM78, Fri82a, FLS88, Fri90b, Gol92, Gy78, KS82, Krä87, LHP75, Min74d, Min80b, Min83, Min84, Min87, Pat92].  **Perron**

[AD17, BOvdD95, BAN12, DM87, EJD88, Fie73, Har78a, JP17, KNS96, KF98, Mel13b, Mey15, Roh06, SPS15, vBW95].  **Personal**

[Pri78, TT78].  **Perspective**

[BT11, CDM22, Koi21, NS18, Nik22, Woo22].  **Persymmetric**

[Vei82a, Vei82b, Vei83a, Vei83b].  **Perturbation**

[BCM18, CQW16, CLX03, Din00, DM79, For88, HZ03, Kit81, KS76, Pat81, SHC02, SJ02, Wan05, BE90, Bur95, Cal95a, Cha83b, Cha84a, Cha88, DH91, ES73, For79a, FM78, Fri82a, FLS88, Fri90b, Gol92, Gy78, KS82, Krä87, LHP75, Min74d, Min80b, Min83, Min84, Min87, Pat92].  **Perron**

[AD17, BOvdD95, BAN12, DM87, EJD88, Fie73, Har78a, JP17, KNS96, KF98, Mel13b, Mey15, Roh06, SPS15, vBW95].  **Personal**

[Pri78, TT78].  **Perspective**

[BT11, CDM22, Koi21, NS18, Nik22, Woo22].  **Persymmetric**

[Vei82a, Vei82b, Vei83a, Vei83b].  **Perturbation**

[BCM18, CQW16, CLX03, Din00, DM79, For88, HZ03, Kit81, KS76, Pat81, SHC02, SJ02, Wan05, BE90, Bur95, Cal95a, Cha83b, Cha84a, Cha88, DH91, ES73, For79a, FM78, Fri82a, FLS88, Fri90b, Gol92, Gy78, KS82, Krä87, LHP75, Min74d, Min80b, Min83, Min84, Min87, Pat92].  **Perron**

[AD17, BOvdD95, BAN12, DM87, EJD88, Fie73, Har78a, JP17, KNS96, KF98, Mel13b, Mey15, Roh06, SPS15, vBW95].
Pólya [SG18, WW76, Whi79]. polyhedra [dP20]. polyhedral [AGP22, MM07, Orl18, Tam77]. polyhedron [FS86]. Polynomial [AS11a, BP09, Cal03, CGH14, Mel18, Red02, SA07, Wat77, dTS20, Adh13, ASAS79, Ami11, Ami80, Are22, BB17a, Bra86, Bre14, BM07, Cal94, Cal97, Cal99, CsSS17, Dat80, Dia90b, DiDe97, FZ11, Fie81, FP17, FdSV16, GA85, GdSV16, GMD85, HHC12, HMAD13, IS15, IM18, Iop19, JRMFM16, KSU22, KLKP17, Kul22, KK16, LLC22, LB19, Lip98, Lit17, Mel13a, Met79b, Reg89, SRK22, SS07, Sun20, SK15a, SK15b, Uh199, WC22b, Wan22a, Win88, WW12, d075]. polynomially [CM22, Kan16].

Polynomials [AP04, Far02, LM85, Mes13, New76b, PT02, Spi76, AS11a, AM13, AS12, AGV19, AADD18, AGZ00, BS15a, BCR91, Ben74, BH74, BG21, BO22b, BG79, BMP10, BPR12, BPR14, BD13a, BP18, CC17b, CNP05, CNUV16, CR22b, Cbl88, DP98, Dc 90, FMSS19, FGMS19, FW73, Fit94, GAGM18, Gar73, Gar79, GV89, GKL182, GLR82, Gló22, HHSY22, KMP+19, KS07, KK90, KLKP17, KML95, KLZ96, KL92, LRT91, LZ14a, LT22a, LW22b, Lon73, LT07, MW74a, MF77, MR97, MP98, Mar90, MRT12, MGAH19, Mel18, Mel19, Mel20, Orz84, Ota13, Paz84, PR12, Per15, PM23, Pie92c, PV00, Re77, SA07, SX23, Si188a, SS96, Si189, Sl16, Sla16, SL95, Sra20, Tie16, Ue21, UF22, Vel18, Vel21, WLB19, Wan19c, Wat86, BD22a].

potential [HMO11]. potentials [HMK22, KMP+19].
potentials [HMO11]. Power [CL21, DK21, FJ22, KPP13, MF92, MO93, AFW22, BM07, Bun91, CP15, DS23a, Dre22, Gol07, IAM23, JC22a, JM85, KMS21, KM22, Lei93b, MGA17, New80a, RA21, SN22b, SA22, Sri20, Tam88, Tan10, TLL11, TLC16, Tom22, XL11, Zha14b].

powers [ARK22, AGR91, Ash16, Aue98, Bou15b, CFL+22b, Coa99, Dru15, FKR93, Fri82b, GA20, Gar21, Gôr22, HL20, JGS90, KW21, KK22a, Mef79a, MV91, MNS22, Mou22, MM23, Pat83, Pok87, Stan9, Tik22, TT18, Vas87, HOT15].

power-associative [Gol07]. power-compositions [BM07]. Power-exact [MO93].

powerful [MM11, WYM11].

powers [ARK22, AGR91, Ash16, Aue98, Bou15b, CFL+22b, Coa99, Dru15, FKR93, Fri82b, GA20, Gar21, Gôr22, HL20, JGS90, KW21, KK22a, Mef79a, MV91, MNS22, Mou22, MM23, Pat83, Pok87, Stan9, Tik22, TT18, Vas87, HOT15].

pp [Ano16c]. pr [MR17].

practical [WSZL17].


Prehomogeneous [Ven19b]. premières [BC06]. prescribed [AMZ13, Bot94, BM89, CM92, Cra09, De 82a, DHS95, DS09, Est80, GPM14, GMD85, Her83, HLB22, KM14, KLPK17, Min84, SRK22, Sil88a, Sil88c, Sil88b, Sil90, Sil93, Sil95, Sil98, Sil99, Thu75a, Thu75b, TI77, Zab89, Zab90, Ze185, dO75]. presence [FW13]. preservation [PG22].

Preserve [Lim90a, SB03, BCN05, BP89, BP92, CL17b, HKS94, JS94, JLL88, JP07, LT88c, MZ91, Slo16a, Wat77, Wat82]. preserved [Can80, CRK21].

preserver [Ano92g, BLP92, CL01, Hua16, Joh11, MŠ98, ST08]. Preservers [BJS15, Ben18, Gur97, HX21, LM03, LS04, LR04, RŠ99, SM22b, SK03, SBMP16, BPS00, BS92, BL97, BL01, BSL01, BS16, BS17b, BS17c, BS20, BS22b, BBE18, BH16, BMGMC16, CL95, CCL05, CLN13, CLMR09, DRY22, DGJ+16, EBB18, FHL13, FJZ21, GP14, GL97, HQ18, Jaa22, KS12, KP14a, LLI16a, LII20, LT88a, LT92b, LT92c, LT92d, Lim97, Lim01, Lim10, LT14, Lim15, LR22, Loe92, Min77, MSS19, Per17, Sin82a, Slo15a, SA14, TZ06, ZS05, Zha05]. preserves [Coe96]. Preserving [DŠ04, Dol04, Kob06, Zha04b, AN19, AA21a, AS17, AYS18, AO22, BHD10, BHD11, BP90, BL93a, BEH19, BBS09, BDS13, BS97, BCS18, BH13, Bot79, Bot87, BE22, BM15c, BSO13, BMGMC15, CGY13, Cat21, CCL21, Che4a, CW16, CY22b, CK20, Cos14, DS13, Dol07, DHB07, EAM19, EL90, Fos05b, FKK91, FHL+14, FA22, GM18, HH22a, HR85, HS17, HH16, Hua10, HM18, HZSL15, JQ15, JLM+92, Joh11, Jul21, KP92, Kov77, Kum09, LI87c, LT88b, LT90b, LT90c, LM93, LP93, LMR94b, LS01, LZ01, Lim10, LJ11, LL11, Lin15, LL18, Lin22b, MF79, MR12, MS09, MO13, MC092a, Mol09, MN12, ME18a, ME21, Nag17, Pet97, Pet10, PR20, Pie79, QH17, QC23, Rai87, RJ04, RS06, RSO8a, SH21, Slo13a, Slo14b, Tag12, TH14, TH18, TKT19, TS21].

preserving [TB92, TXC08, WZC11, WZL13, WJ16, Wat83, Wat85b, WZ22, XCC99, XXF22, YZ20, ZHH09, ZCZ12, ZX16, ZWW10, ZXF15, ZL17].
Pretty [WC22a]. Price [TT78]. prime
[Cen11, DS13, Far17, GLdS22, JL12, LWZ15, Lin21, New80a, Nor95, Nor08, Per15, QH17, Sta14, Sta15b, Yao22, BD22a, DDA20]. primitiveness [Per15].
Primes [RS74]. Primitive [BS17b, dSP16a, WYM11, AF11b, CC17b, GSS09, GM21, JKKC22, LSS10, LM95, LLL09, Liu92, SSG12, YMYS13].
primitivity [BP89]. Principal
[CT21, Dru15, LP03, LMMR15, NS92, NS93, Rao81, RBB22, Vrb86, XFG14, Bën10, BCC12, CSFS12, Cho82, Dix79, FT21, Fie81, HKT15, HS87, HKS16, Holo84, HT91a, HO17, Joh84, JovdD84, LH23, MR18, Nas75, NTU93, Pri78, RM22, ST08, TT78, Tho92b, TDL18, TZ21, ZHZ11]. principle [BdP21, dC13]. principles [LL14b, Sin83]. prism [CLX22]. Private
[KP14b]. Probabilistic [BAN12, WW76, Sim83]. probabilities [CMM22, Ger86, Joh82a]. probability
[CPZ17, DPP17, KM22, LN14, Sti87, XZF22]. Problem
[Ano82f, CLLT93, Tho82a, Adu15, AHHK2, AS11b, AG15, AOT78, Ang00, Ano83m, Ano85g, Ano86e, Atl84, AB22, BC05, Bar92, Bar88, Bru87, BK87, CC17a, Cal95b, CKLP13, CH12, Che91, CP18, CP21, Cro18, CL16, CLW21, Cve95, D1Q18, DS16, DF82, DP18, Dodi13, DS22b, DJK08, DWL13, DCLW19, DN18, FS22, FdF09, Fie90b, Fla75, FH89, Gar85, GB77, Gra93, JDD21, JC75, Joh89, JKK2, JN14a, JKS23, LW96, LLW07, fLyle15, LMMR01b, L10, LL78, M79a, Mil15, Min80a, Min82a, Min18, MM15, MS15a, MAM15, Mum86a, ND13, New83, Raw16, Rea96, RP04, SR17, Sin84b, Sma10, Sol06, Sol80, SW22, Sto79, TXL21, Tho85, Tho87b, Tho91, Tre85, Tre86, Ves80, Wan17b, WW01, YZC21, XZL22, Zha92, ZY13, ZwLZZ22, Zha22, ZVL18]. Problems [BL80, AAB17, Ano82g, Ano84e, Ano84f, Ano92g, jAS15, jAS21, BCR91, BLP92, BR01, CQW16, Che92, CS19, CL22b, CL01, CKY23, CDF21, CID16, De 84, Di98, DJ98, Fri88, GMZ17, GL18, GGG02, GKT97, GM87b, HRMP95, Hua16, Joh82b, Joh11, JU00, KPL+09, Li85, LTT8a, LZ16, Li21a, LLV18, MM06, Man91, Mer91, M98, MB22a, Sad23, SC21, SQM99, Sch91, Sin82b, TT85, WS18, Wan22a, Wi93, WL16c, WZY22, Xu93, YLW15, Zha00, ZHZ11, ZV19, dF13]. Process
[Reg87a]. process [DMV18, FSFS0+14]. Procrustes [Rau18]. produced
[Tia11a]. Product [AK94, BlDP90, Cal03, CGL+16, GN02, AN19, AF12, AJL18, AHT87, Aze99, BF23, BCDF09, BM17a, BS22c, dAB17, BG21, Boa13, BM15c, BM17b, Boz99, BH15b, ZZ10, BM16, Cam78, Can80, CK17, CX23, Ck18, CRK21, CM19, CW16, CC21, CY22a, Chos18, Con77, CD15, DI 88, DMI13, Dra19a, Dra19b, EAM19, FD14, FKKS11, Fow80, Gha13, Gó72, Gra10, Gra11, GT98, HZ11, HPS83, Hol85, HH16, HXL16, HM22, HSVH13, HZXL15, IS15, JC22a, JKH20, DJF12+21, Joh77b, JN90a, JS90, JN00, KT06, KR14, Koz17, LV18, Lee94, fLLL+17, LH21a, LLLZ19, Lim90a, Lim23, LMMR01b, LJ11, LL22a, LLLY22, Ma97, MP16a, Mat92, MeF79b, MWC22, Mir92, Neu74, Nor95, Nor08, Ota20, PM22, Pat08, Pat09, Rad16, RP22, RW96, Rod81, RC18, SH21]. product
[STME10, SN22a, SN23, Sil93, SAV01, SZBW16, ZZYY18, TZ19a, Tan13b,
Tho74, Tho88, WZD16, WJ16, WCS+21, WS23, XJS20, XQ16b, XXF22, BD22a, ZHA16, Zha00, ZPCZ16, ZUS22, vR11. **Products**

[Bal77, Bal79c, EM87, Ell95, Gib76, Hou22, Laf83, MKS84a, O'R15, Pat81, Rod97, ST91, Sul08, Wi99, Alp95, AAdFS19, AO97, BK83, BJ75, Bar76, BJ93, BW23, BJS15, Ben18, BE22, Bre12b, Bre16, BSO13, CW81, CGY13, CL85, CG17, Cat21, CD22, CL17b, Che95b, CKL16, CK20, CW22, CG16, DSD83, De 78, DF90, Dol07, Du10, Erd22, FL16a, FJM00, FHL+14, FIS06, GG22a, GWW15, Gil16, Gro96, HH22a, Hal91, Har84b, HS81, Hol84, HNM91, HX21, Hua08, HLH18, Joh74b, JOvdD84, JOvdD85, JN90b, Jul21, Kit91a, Kur04, LL16a, Lim15, LMMR01a, LW08, LFX16, Liu18b, Liv94, MKS84b, NS99, Ng14, NY21, Pat82, Pat92, Pat08, dSP22, Pet10, PT87, Poz22, RS10, Si90, Spi04, SW81, Sur98, TH14, TK19, TS21, Tan16, TC04, Tia05b]. **products**

[BD22, YZ20, Zha89, ZHH09, ZX10, ZXF15, Zim89, dCdSA22]. **profile**

[BL21, LB19]. **programming**

[Bar07, Che92, Gur98, WY21]. **programs**

[Caf13]. **projection**

[Gro99]. **Projections**

[XCB18, AHT85, BR10, BCH13, DPR22, DWCD19, FXY22, Gal08, KW17, KR07, LD17, MR08, Rei83, Szw18]. **Projective**

[Jam88, Rei75, Den05, LPS21, Ng14, Pan13, RŠ06, RŠ08a, RŠ09, SZ85]. **projector**

[Byt20]. **projectors**

[BT11, BT13, DW12a, GT98, KR14, TL12, TCI13]. **prolems**

[EJ88]. **prolongation**

[BBM20]. **Proof**

[GSZ22, Kip81, Rad80, Tho86b, AY95, Aue95, Bar12, Bay22, BD96, Car20, Fri82a, HL09, Koh11, KAE22, Mag22, Mel81, Min82b, Poo80a, Reg87a, RW84, Rem90, Roi99, Tan91]. **proofs**

[BM18a, CL13, DHT94, MS82b, Rem82, ST80]. **propagation**

[JM22]. **proper**

[AMZ13, Ger82, JC22a, Tho75b, IWW15, ZCZT22]. **Properly**

[Fri97, Mar20]. **Properties**

[BD94, EMS02, GZH19, HM77, HK17, JKKZ0, KY17, McC85, WD17, AAD22, BCNG23, BC82, BZ19, BS17e, BS18b, BM18c, BM19b, CKR21, CL94, CKM18, CJK+13, Dag23, DST91, DLD22, Din15a, Dra13b, Dra17b, Dra22b, EB17, Far17, FJK22, GCP20, GN20, Gho19, GS20b, HAO18, HLY22, HLS18, JNB93, KI16, KW17, KS84, KM98, KD23, LZ14a, Lor00, Mai11, MJS13, MRT14, Mar13, MH22, MI12, MCIM21, MAH18, MAH21, NG15, PG22, PRS03, PRA22, RP04, SMBB+15, SS815, SHC22, ST08, SKM17, SCL+22, SL17, TG09, Tra89, Tra90, VM07, WC12, Zel85, ZW17a]. **Property**

[Che95b, CN04, Ger74, NY21, AHJ20, AHJ21, AZ22, BNP06, BM22, BMP22, BSEM12, CNW21, Can80, CP16, CAP20, DKK+20, Dfd22b, DH22, GTO11, HA22, Har84a, JVMCP19, LS17, LFY16, LLV18, LCS8, MW19, MW21, MB22a, ME18a, ND05, OS18, Per15, PSE23, Pop20b, Rom07, Bau74, Wer87, XQ15, ZCCW12]. **pros**

[LLMN20]. **Proving**

[Red02]. **PSD**

[DNY22]. **Pseudo**

[AJL22, FG02, AN19, Bal79c, BS18b, DM79, Mir18, Mos21b, Per19, SHC22, WW20b, ZZ16, ZC22, ZP19, ZW20]. **pseudo-bundles**

[Per19]. **pseudo-differential**

[WW20b]. **pseudo-involuntary**

[Bal79c]. **pseudo-reflections**

[BM79]. **pseudo-Schur**

[BS18b]. **pseudo-spectra**

[SHC22]. **Pseudo-Strong**

[FG02].
pseudo-symmetric [Mir18]. pseudoalgebras [LW20].
pseudocharacteristic [Mer79b]. Pseudo-inverse [Bon02, SLW21].
pseudoinvolution [IM18]. pseudespectra [ABJ16]. pseudo-spectra [ABJ16].
quadrangularity [PU¨O15, U¨O¨O15, UP¨O16].
quadratic [MB22a]. Q [MB22a]. Q-property [MB22a]. QR [KV22, LYS15]. QR-algorithm [KV22].
Quadratic [BSO17, PM23, Rob77b, Adh13, Bae84, Bre18, Che92, CZ22, DDA20, Dra18a, Edw80, Fei75, Ful76, Ger82, GSZ22, IK20, IK22, KML95, Lee18, Lew97, LPT11, LWC22, ME18b, Pap13, dSP22, PUÓ15, Rai19, Rus16, SH21, Shr90, Sol80, SPM14, Tau81, TS05, Tia11b, UÓÖ15, UPÖ16, Ves80, WY21, YZC21].
Quadraticity [PUÖ15, UÖÖ15, UPÖ16]. Quadric [BFM22].
Quadratic [SLH20, ST96].
Quadraticity [PU¨O15, U¨O¨O15, UP¨O16]. Quadric [BFM22], quadrilateral [HL18].

Qualitative [JvdD91]. quantifying [Aud15]. quantitative [Fie73, IT16]. Quantized [JP15a]. Quantum [KLZ10, MS16b, Pal21, Ahn11, AG18, BLX18, CKL+21, CGH15, CHFC19, Da 94, DHKSH08, Dm13, FHLS13, JP15a, Joh14, KMP+19, KPL+09, KP14b, LCWW22, ShDHG08, Ter22a, Zha14a].
Quasi [And96, aCC17, dSP16b, dIP20, GCSC20, Gol06, LBV13, MCL20, MP18, Sar20, TLC16, Tom19]. quasi- [MP18, Sar20]. quasi-Banach [Tom19]. quasi-coprime [TLC16]. Quasi-Euclidean [dIP20].
Quasi-Whittaker [aCC17]. Quasidirect [LS96a, LS96b]. Quasilinear [IK20]. Quasimonotonic [Go06].
Quasinormality [Ras17]. Quaternary [BX11, BSO17]. quaternion [Abo20, AAK16, Din15a, FWZ11, FNW18, HW13, HW14, He21, HZ12, KL21b, Kyr11, Kyr21, STZ94, Tho87a, Tho89, WXZ21, WLZZ22, YL11, YLW15, YW16, ZWLZ22, ZLZ+22].
Quaternionic [haYsS99, AAB17, AJL22, AY84, AY95, Bal23, CDM22, CCL10, EO15, Fen10, MVP14, MB22, Rod08, SLH20, ST96].
quaternions [CC22a, CT22, KT19, Kri87, KKL21, KK23]. question [GR14, KKK21, KNX93, KNX95, Sin80, Zha95].
Questions [BH76, CKLP13, dF11]. queue [GT08]. quintic [BP18].
Quintuple [Sto79]. quiver [Sch22]. quivers [Sch22]. quotient [ZY13]. quotients [BdPNdP17].

R [An07b, Fie84, Zha95]. R. [Don91]. Racah [WHG17]. radial [HX21, L18, Tam86], radical [CO22, dHS23, MV75, Shc21]. radicals [GLOT13, Ko12]. Radii [Go07, LR04, Abo20, AO97, BKS21, BHK21, CC14, CL14, CLMR09, FNBR96, GWW15, Gol79, GS19, HL22, KL21a, Lei91, Lei95a, Lei98, LT89b, LT92c, LMR94b, Li94, LZ01, LDL17, LWL21, LWW2a, LL22b, MS82b, MS85b, Mel20, Mel22, Sab19, SS23, SKLS21, Tsn98, YHS13, XL22]. Radius
radius [XSW22, XW19, XZL14, XYH22, YSY17, YS23, ZMCN19, ZQC18, ZHH09, ZG11, ZL19, ZWL17, dlP09].

Rado [GX17b, Woo22].

Radon [AYC93, GP74, GP22b, HJ20b, Lee98].

raising [GR81].

Randi´c [Yin21].

Random [Tan13b, CMR21, CLX22, Che18, Din15a, GLLM21, HL18, LCL22, Rau18, Sha15, TXL21, TJ16, WS23, Zen22, ZZ21]. random-effects [TJ16]. randomised [ZWZ23].

Range [AMP02, BK83, BD94, CN04, DvE20b, Far02, GW04, KR07, LN98, Sed04, haYsS99, AAK16, AYT83, ASY84, AY95, BM22a, BS98, Bal80, BB15a, BD88, BL91, BL92, BD96, BDP14, BBK22, CRW21, CJP97, CDM22, Cha18, CL22, Che94, CLH4, CT96, CT09, CL13, Chi98, CNP05, CNP06, CN07, Chi11, CN14, CGL+16, CH10, CKP09, Cro08, DvE20a, DHM22, EM15, FT87, FMX18, Far93a, GW08b, GW08, GS21b, Gro96, HHSY22, HH16, How80, Hu89, HT91a, Hug90, IOMA21, IOH21, Jam88, Jam95, JLL07, JC22b, Jon92, JRG93c, JR94, KV23, LSL14, Le92, LT92a, Le93b, Le95b, LT88a, LT88c, LT91, LMR94a, LSS01, LPS09, LT09, LD17, LWC22, LP16, LTT11, LP22c, Man87, Man91, Mar75, MF79, MS79, MW80, MS82a, MS87, MB22, MS15b, MS16b, NNT95, Nak95, dSP16b, Poo80b]. range [Poo94, PV00, Rod08, RW21, RS80b, ShDHG08, ST80, STZ94, ST96, Spi00, Tam85, Tam88, yT00, TS19, Tho80, Tho87b, Tsi83, WZ16, Wes75, Woe08, WC12, YC19, Yua98, bPFZH08, LLS16].

Ranges [BLdPS04, Ber02, BS04, LS04, LR04, Loc74, Abo20, AM21, AyT84, BdP98, Bdp12, CKL+21, CGW14, CL17b, Che14b, Che16, Che17, CN05, CN08, CN15, CLN21, CL00, CGHK08, CLMR09, Da 94, DHKSH08, ERS12, FHL+14, FL16b, GW12, GWW16, GS21a, Gol79, HT91b, HL21, IOH21, JNBR93, KL21a, KPL+09, KP14b, Lei93a, Lei98, LT92c, Li94, Li96, Li98, LP11, LD19, Mag13, Mag14, Man92, MP87a, MR97, MP98, Sza09, Tav04, TGW14, Tisi81, YLC19a, YLC19b, dV96].

Rank [BT11, BPS00, BL97, CM15, Cho10, CL01, Dod13, EL09, Fer09, Gal01, GVS96, HZS22, JT03, KP14a, Mar13, MF92, OW02, Pat03a, St79a, So99, SLH16, Tia01, Tia02, Wal79b, AM21, AW83, BHD10, Bal14, Bal18, BL95, BOvdD91, BL01, BL01, BS16, BS22b, Bdp12, Ben90, Ben11, BHH+11, Bot87, CKL+21, CFSGL18, Cat21, CCL21, CCS98, CGW14, CT16, CHL18, Che14b, CLN21, CGHK08, CLN13, CK19, CKT20, CL21, CLMR09, CP18, CP21, CO12, Dec95,
Der16, Der18, DM18, DM19, DS22a, DMQV23, DR18, DH16, FT21, FW13, FOT23, Fie81, Fra17, Ful76, FS89, GRMA13, Gon17, Gro99, GW21, GLM22, Gur79, GL83, Hac22, Hai88a, HHSY22, Har81b, HHY22, HKv23, HS87, HLZ05, HKS94, JW91, KS12, KP14b, KRR18, KS17b, Kuz05, Laf78, LL16a, Lau81.

rank [LPZ13, LPS09, LGA13, LZX19, LY22b, Lim90a, Lim92a, LT14, Loe93a, Loe93b, Loe01, Lon80, Lon81, MS16a, Mar11, MR18, MMRR16, Min77, MSS18, MS15b, MS16b, NS15, Ned98, Ore19, Ori18, DSP16a, Pet09, PV20, Rub20, SdF12, Scm97, SMBB15, SM22b, Shi15a, Shi16, SMF95, Sil88c, Sil88b, SS12, SBMP16, SKP18, SL21, SF17, Tia05a, Tia05b, TWZ16, Tia17, Ven19a, Wan79, Wan15, WM17, Wan19a, WW20a, Wat85b, WLM21, Wes80, Wes81a, Wes87, Wes90, Woe93, Woe08, Wu09, WW12, XL17, YLX20, Yan21, ZS05, Zha05, ZY17, ZXF15, Zho16, SLH18].

rank-1 [CM15, KP14a, BL01, Che14b, CL21, Fra17, Loe93a, Loe93b, SF17, XL17]. rank-2 [Hac22]. rank-additivity [Har81b]. Rank-one [Cho10, CL01, BHD10, Cat21, CCL21, DH16, FT21, MMRR16, Ore19, SKP18, ZS05]. Rank-preserving [EL90]. rank-subtractivity [Zha05]. rank-sum-maximum [Zha05]. rank-sum-minimum [Zha05]. rank-two [CLN13]. Ranked [PM78, BC91]. Ranking [VDW85]. Ranks [HS03a, LP508, MS74, SK03, Tia03, AC78, BB13, BB19a, BS92, BS17c, Bot94, FT21, FKR93, HK79, Haw05, KJ13, LGA13, Lim15, MSS18, MRS10, Pat87, SMS15, SMS21, Tia11b, Tia18]. rate [Doo16]. ratio [LH23].

Rational [AMP02, AFR73, JT23, AMZ13, BRI89, CM85, DA22, DMQV23, FE175, DHS23, KL172, LR96, MOZ4, OTA13, RR91, SI84, TRE85, TRE86, TSYB82, UHL79]. Rationality [Fri90a]. rationally [DH91, TRE87]. rationals [MV75, New93]. ratios [SRA20]. ray [BGZW16, IK20, IK22, LCL22, ZHLZ13]. Rayleigh [AB78, BDnPdP17]. rays [Pat03b]. Re [YZL22]. Re-nd [YZL22]. Re-pd [YZL22]. reachability [NS85, NST91]. Real [ABC18, JHS81b, LP02, LHS21, SL30c, SB03, VEN19a, WES81a, HAY99, AFI11a, AFI11b, AF12, ADK95, AS12, AGZ00, BAL14, BS92, BB75, BPR20, CS21b, CO12, CIDK07, DHI86, DEU80, DJ23, DOK83, DRU15, ER22, EJ91, ESC93, Fan73, GP14, GW17, Gon17, Gue19, GHK61, HA95, HW13, HW14, HS88, HLZ11, JIN17, JKB17, JHR84, KL22, KML95, SL19b, LS16, LM93, MMRR16, MES90, MIN09, MOH16a, NR23, NP91, ORT15, OTA13, PAL79, PAS15, PER17, PM23, RSO6, RSO9, RBB22, ROM89, SU77, SL15, SMS15, SMS21, SK15b, TTT12, TQ715b, TIE16, TNN22, WES80, WES81b, WU22, ZHA01].


Reciprocal [AH16b, AHJ20, AHJ21, BNP06, BGM22, BMP22, HA22, HINS10, PSB23, MT22b]. recognising [Gre99]. recognize [Han21]. reconstruction [FM21, SS07]. rectangles [LOR14]. rectangular [AA21a, BCR91, CAR19, CKP09, CRA91, HZ20, LT88d, MHH96, MIS17, MSS19, ZS05, ZL18, ZHA19]. recurrence [CR22b, KOM10]. recurrences
representative [MN96, WW80]. representing [RD12]. Reproducing [BR04, GGG21, YGÇ19]. require [BJS98, EJ91, Esc93, KMT96].

requirements [JS91].

Research [Ano82f, Ano82g, Ano83m, Ano84e, Ano84f, Ano85g, Ano86e, BC05, Bap92, Bar88, Cal95b, CLLT93, De 84, EJ88, Fri88, Gra93, GM87b, JC74, Joh89, KPL+09, LMMR01b, Mer91, RP04, Sch91, Sol06, TT85, Tau73b, Tho82a, Tho85, Tho87b, Tho91, WW01, Zha92, Ano97b, LW96, Mer79a, Zha00].

Reserch [Bru87].


Resolvents [Gil16, Gil14]. respect [AC13, A1n15, Che91, FH73, HHC12, HPV88, JST18, KMMS22, LT89a, MO94, Ner22, Oku93, Pop17]. Restricted [MPGS21, Pap13, Bal79a, CRW21, CC19, Che93b, Che93a, CP16, LOO22, Ned98, SG96, SPK15, SPKC15, Wer84]. restricted-rank [Ned98].

restriction [DS22a, Wan15]. restrictions [BZ99, Bou18, Far94, MT22a]. result [Akk17, BB17a, Das21, Har84b, JLL11, New74, New82a, Poo80a, Ric97b, Tam91, ZZY16]. resultant [Bar80, BL21, GLKR82, Orz84, XW22a].

resulting [MP87a]. Results [Góöz22, JK20, LN98, Tau74, TH80, AG22, AEAAES20, AAK16, AN14, Anmü18, Ano22c, AZ22, BL83, BHK78, BM17a, BLZ11, Boa19, BZZ10, BSZW13, CL13, De 82b, DCIW10, DW12a, DHT94, DIF13, FM22b, Gar23, GHL10, GAMAMA23, GKX17a, Guz88, He21, KDHJ22, KCI1918, LC18, LT87, LNZ18, MR97, M1ou13, NS85, New75, Nie10, PS12, SMBB+15, SW122, Sin82b, Sra20, SWZB15, Tam77, WC15, mWyD11, Wer87, YGCÇ19, YWZ21, ZCP16].

Retarded [DG08]. retrievable [FM21, HLY22]. reversal [Kir93]. Reverse [CIN15, CIM19, KM11, LW08, Obo23, PB120, Rad16, ZCP17, BS18b, CID16, DD14, HK016, LFY16, Ota20, RW84, Sha20, WZ14, XQ15, XQ16b, ZX10].

Reverse-order [PBM20]. Reversed [DL14, Bak16]. Reverses [BM15b].

Review [Fan81, Kap80, Lei81, Tho83, Yaq80, AK78, Ano83a, Ano89a, BFMM73, Con94, Fan84, HS81, Hum83, Joh83, Keg87, MT83, Mer98a, Pie92a, Sch92a, Sha95, Sko85, Sta94, Tho82b, Tho82c, Tho82d, Tho82f, Wat84a]. Reviewers [Ano12b].

Reviews [Ake80, AR80, CST75, DW76, Doz79, EA77, Far78, HUSG74, JMM77, MB76, MS80, MBSL74, MGK+74, RY73, SB75, Sen81, SA77, TB76, Tho81a, Tho81b, Tho82c, WNNM74, CST9, GMS+76, JTH77, LW78, PA79, WTM78, ZF78].

revisited [CBQW19, CC23, DD14, Ere15, FMSS19, FHL+13, Joh90, JZ95, Per17, SRT22, Vell18, Wan11b, dF19]. Revisiting [Lip87]. Ribbon [FJK14].

Riccati [CK84, DLL19, FN14, Igl99, LRR87, MWC22, NF19]. Richardson [AW13, AM90, BG90]. Richman [BHM76]. Rickart [Cir15, Cir16, Cir17, CC22b, Krel16, Mar15, MR15]. Riemann [CN21, Red02]. Riesz [BZ22a, BCM18, CDJ13, CG22, DMV18, FJS14, HSM17, HFSZZ22, QZZ21, ZC17]. Riesz-representable [CG22].
Riesz-type [BZ22a]. Right [CC21, Ake83, AJL22, Bal80, Dok73, HBM15, MRD15, MW22, MBB22, Pat89, Tho86a, WHC22]. right-star [MRD15]. rigid [BCS18, COK20, CSG22]. Rigidity [BCS18]. Rigidity-preserving [BCS18]. ring [Bas17, BH15a, DL92, Dok93, For79d, HWZ18a, Hua10, HPV84, HPV88, KCSČ21, LPT13, LCL13, Lew90, LQ95, MW16, Mil22, OWX09, OWTZ21, Piz87, ST22, SlO15b, SZ19, SX12, TZZ19, TW17, WOY06, WZL13, Wri22b, XWT22, YWO07, ZWM17a, ZWM17b, ZC22, Zhu18, ZP19, ZCCI12].

Rings [GMR81, RR04, Rao81, Zho22, AH13, AELL20, AA20, BY19, Bas17, Bas19, BLR12, BCI13, BB17b, BDvW12, BDvW16, Bre21, Cl22a, CS18, CQ22, CG19, Cir15, Cir16, Cir17, CC22b, Coa99, CZ22, DPvW13, DS13, DD15, Dre22, DJS21, Eke15, FJK14, Fog73, FSvW11, Gar21, GV89, Gus81, Haw05, HLZ18, Hon21, HLM18, HZ20, Jam88, Jam95, JL12, KW21, KK22a, Khr16, KL12, KR07, Kre16, LPT14, LWZ15, LCL18a, LZ23, LL10a, Lin21, LCL14, Mar15, MRD15, Mar18, MP13a, MP87b, MCIM21, McD92a, Mos21b, New85a, PA10, Pre22, QZ16, QH717, RM22, RS08a, SM19, ST97b, Tan20b, TZ17, Tau73a, Vla23, Wan16b, Wan19b, WM21, Wat85b, WY18, YLW22, BD22a, YW05, YQ90, ZW10, ZCCT22, ZOY8, ZCP16, Zhu19, ZW20, ZWM23, ZCP18, DDA20. R. [MB22b, PS21]. Riordan [MC18, SR17].


Root [Hai92b, BAN12, CGH15, EJD88, FZ11, Hai92a, Mel13b, Mey15, vBW95]. rooted [Muk20, RF22]. roots [AAT16, CL74, HHC12, IK19, JN80, KN81, NMA22, Nom73, Ota13, Tie16, Uhl99]. root systems [Hai88a, Hai88b, Hai97]. Rota [FW73, Gar73, GGB2b, KKL20, LW20, ML16, ZLS22]. Rota-type [KKL20]. rotation [GTM14]. rotational [Sjo93]. Rotations [Edw80, Edw78].

Rotfel’d [FL16b, HWY17, HWZ18b, YLC19a, Zha15b, ZN18]. Roth [FW13]. round [Spi00]. Row [Joh81a, JP17, SS12, CPKK22, FV97, Har81a, Kap77, LSOvdD95, MH19, MH12]. row-adjusted [MH12]. row-sums [MH19]. rows [MNS22]. RS [GTLN18]. RSV [LT10]. rule [BG90, CR95, Che93b, CPT15, Wer84, WY18]. rules [Che93a, Kyr08, Kyr11, MS10a]. Rutishauser [TT15]. Ryser [MS85a, New83, PS22].


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scattering [MS10c]. Schatten [FNBR96, So90, YLC19b]. Schmidt [Bah22, LF15]. Schneider [BHM76]. Schröder [Dag23, RS18]. Schrödinger [HMK22, WT23]. Schur [AS20a, AO97, Bap88, BT06, BS18b, Bun91, CRY95, CPLH17, Dia79, DS02b, Dra21b, ES98b, ES00, FJ15, Gär22, GMZ11, Gur83, HS75, Hua23, JK10, Kim91, LM98, LHZ22, Liv94, Mas10, MO94, Neu81, NT86, PN22, Rem90, SV14, Smit19, Tam02, WZ97, Wat86, Wu22, Zha04a, ZJC].


self-adjointness [DK22]. Semi [Kmu85, AFM13, Amm18, BF20, BN22, BCM18, Cha90a, Cha92, Cha93a, CH10, Chu84a, CF23, DGJ+16, FG22, GCSC20, GH23, Gol89, GM21, Har78b, HPV84, HPV88, dJLIZ+21, JP87, LL16b, fLLL+17, LL14b, Liu16a, LSL19, LCWW22, MSS13, M09, MO13, NMAB22, Pat92, QHB22, RC18, RSM21, SM23, SMS21, WC22a, Yu14]. semi-definite [AFM13, BCM18]. semi-definite [Cha92, Cha93a, FG22, Har78b, JP87, LL14b, LSL19, NMAB22, Pat92].


[BC78, AAJ12a, Ber05, CS10, DW92, GT14, LMR00, MP13a, OR09, PY82, RD12, ZCP16]. **semilattices** [Luq08, WHL16]. **semilinear** [Pan13, Pan15, ySpW14]. **Semimodules** [CL22a, LT14, ySpW22, Tan16]. **Semipositivity** [JKS94, Wer94]. **semiprime** [DS13, DD15]. **Semiregular** [Pow88, DGR08]. **semiring** [KW11]. **semirings** [AAJ12a, BL93a, BGLS07, BSS12, CL22a, DRY22, DO20, lLpW16, Moh15, MP16b, Shi15b, ySpW14, ySpW17, ySpWQ21, Tan13a, Tan14, Tan18a, Tan18b, Tan20a, Vla22]. **Semisimple** [AKOZ20, DR18, FW13]. **semisimplity** [MHA17]. **Semitransitive** [RT09, BM14]. **Sensitivity** [FS22, LZ19a, jXL15]. **Separability** [DNY22, Joh11]. **separable** [Lud21b, Raj09]. **Separating** [Kan94, ST22]. **separation** [KN81]. **sepr** [HLOvdD20]. **sepr-sets** [HLOvdD20]. **sequences** [Rei77, AADdF23, ACJ17, AM90, BB19c, BS15b, Dok81, Gro95, HH22b, JVMPCR19, KL13, MR17, MGAH19, MS10b, SLUG04, Zar01]. **sequential** [CW91]. **Sergeev** [BG90]. **series**. **Sesquilinear** [Lee15, LMR94a, Nak95, RB22]. **Sets** [BS97, FG02, AFJK17, ASA87a, BP98a, CCS16, CFSRL22, DM22c, FGMSS19, Fra17, HM77, LT11, LT12a, LL16b, L1L6, LRD21, Mel10, Pat07, TJ11, Wan79, WL18a, YZB22, YMY13, Zel85]. **SGB** [JZL20]. **SGB**-tensors [JZL20]. **shape** [Hug90, Jon92, KHG13, LH13, Tsi81, WBZ14]. **shaped** [CT96]. **Sharp** [JRMFMASS16, LS12, Luo19, Rho94, Rum97, YSY17, FMS19, Gil17, LZ17a, Mit92]. **sharpness** [KMN01]. **shell** [CNP06]. **Shemesh** [JP15b]. **Sherman** [SC20]. **Shift** [BR04, BG86, CNUV16, Tan94, TGW14, WL22]. **shifts** [CB22, GH23, GHL20b, KY17]. **Shoda** [BS18c]. **Shoda-completion** [BS18c]. **Short** [MY83, Tho81a, Tho81b, Tho82e, Tho82b, Tho82c, Tho82d, Tho83, Tho82f, Y95, Bar12, K11, R99]. **Shorted** [CGM19]. **shuffle** [Lew96]. **sided** [EO15, Kyr21, Tur16, WM21, ZWW22, ZWM23]. **Sigma** [LY22a]. **Sign** [BJS98, EJ91, Ese93, FHL+13, JWP98, KS02, KMT96, Kir11, LGA+13, MOTvdD03, Pei02, Reg87b, AG16, Cai93, Car06, GS06, GSS09, Hem93, HS93a, HLOvdD20, JvD88, JP07, Kim13, LLS10, LLL09, LHB+15, MM11, Ma15a, MMRR16, Rem88, SR22, TI77, WYM11, WW01, YMY13,
[ABP22, CL86a, CL86b, Dec95, LHF08, LHH18, Obo22, PLH01, Sad23].

**Smith** [Arm17, BK17, Cha96, Der83, GRMA13, HS96, IH11, Koo95, LLC22, LT12b, New94, Pro95, Tho88]. **smooth** [Rao22]. **Smoothness** [Sai21, MD92, MD92, SPMR20]. **Sn** [GGH22]. **Sn** [dSP12]. **Solutions** [JSY14, ALP94, BZZ11, Che93b, Che93a, De 13, DM22c, DWH14, FOT23, FS19, Gra80, HKT15, HW14, HMP18, HM18, HM22, JS84, JN14a, MK16, Min80a, SLH20, SPM14, Veil83a, WZH13a, WZH13b, WX12, Wan22a, WLZ12, YL11, Zha04c, Zha16b, ZL21]. **Solvability** [Lev74, fLL+17, VM18, Yq186, AG15, CIRW21, HW121, JvdD91, KP11, Lip96, Mil22, Tia00, vWZ19]. **Solvable** [ACO21, AK21, KS02, BL10, BCS18, CSG22, CLOK13, Far93b, KLO14]. **solve** [BS17d, HM20, LT10, PLPC19]. **Solving** [BB19c, ESH23, Kli22, ST97b, CW20, CL22b, KM17, fLLy15, LZ16, LZ91b, LC18b, LW10, SW12, WX19, XW17, ZZL12, ZW23, ZV19, ZST23]. **Some** [AAEAES20, AAK16, AN14, AAD22, AW07, Amm18, AdF21, AyT84, BS15a, BM19a, Bal75, Bal76, BCN93, BD94, BZ19, BKL97, BP22, BZZ10, BSZ13, CT22, Cha96, CHFC19, CL94, CF23, DH17, DST91, DC11W0, DV18, DH91, Dra16, Dra22a, EMS02, EB17, Fan92, FM22b, FH15a, GLT13, Gai77, GA18b, Gro97, GX17a, Han19, HS93c, HS96, He21, Hua08, Hua09, HXL16, HM19, ipo19, JKKZ20, Joh82b, KI16, KDHJ22, KMS18, KS84, Lék91, LT88d, LI96, LM98, LN98, LS22b, LS21b, Lu22, MM06, MW0, MR97, Mar92, MH12, MTR11, MS98, MF82, New75, Odo83, Oku93, PS22, PH15, Pop14, Ra19, Ram22, Ras19, RSM21, SRS21, SW12, SQ15, SS15, SG96, Sin95, Sin82b, SWZ15, ZZ22]. **some** [ACO21, AK21, KS02, BL10, BCS18, CSG22, CLOK13, Far93b, KLO14].

**some** [Sta84, SL17, Sur98, TKT19, TL12, Tra89, Tra90, WX19, Ye11, ZW15, ZL22, ZL220, ZBW12, dC15, dC18, Ano22c]. **SOR** [ZZL23]. **SOR-like** [ZZL23]. **sorting** [CW91]. **Soules** [Pat89]. **Sp** [Ber86]. **Sp-modules** [Ber86]. **Space** [BlPS04, AC11, ACO21, Adh13, Al01, AGR91, AJL22, BDK21, Bea85.
BHK21, Byt20, CDJ13, Cla92, CR77, CF23, Das17, Das18, DTS14, DLD21, Dok83, EB17, Fla75, GGA21, GJR22, HT12, How80, HFSZ22, IK20, IK22, JVMCPR19, JC22b, JS15, LYZW12, LRD21, MW18, MS88, MM09, MC19, MM20b, MN13, OM21, Pat77, PS20, dSP22, QHB22, Rob75, RBB22, RF19a, RSM21, SPMR20, ST19, SA10, TD14, TRM22, WTD22, WT23, YGC¸19, ZMCN19.

space-fractional [HFSZ22]. space-time [WT23]. Spaces [AW83, BR04, HLZ02, LT92d, NTW23, dSP12, Wes74, Wes87, Zha04b, AF12, ACMS10, Atk84, Ay84, BJ22, BFM20, BN22, BT13, BS22a, BBT07, BCF07, Bea85, BL97, BDPN14, BS89, BPR12, Boz97, CMR20, CKS19, Cha79b, CL83, CSS21, CZZH22, Che91, CLN13, Con77, CDF21, CAP22, DH17, De 08, DP09, DV19, DH20, Dok90, Dra10, Dra11, Dra16, Dra18a, Dra19a, Dra19b, DK22, EDKA07, Edw80, ESAJ18, Erd22, EBB18, FU20, FGMS19, FLR85, Fri97, FZ21, Gil16, Gra80, GBM21, GX17b, GLL21, HNB22, HSM17, HS85, Hol95, HFA12, HFA22, HCS19, Ilk20, IKR12, Jan95, JS20, KC16, KL16, KT83, Kru06, KMEO12, LLMT05, LLHS18, LL20, Lim90a, Loe01, MTT13, MDP22, MID17, MZ01, Mer78b, Mes90, Mol15, MAT22, Mos19].

spaces [Ogn20, Ota20, Pan15, Pas15, Pat17, dSP16a, dSP16b, Pet09, RT09, RS85, Rao18, Rod81, RS06, RŠ08a, RŠ09, RF19b, RB22, RS23, SM23, Sua21, SRT22, SRBB22, SES21, SZ85, Sua18, SN23, TD16, Tal17, TD19, TZ19a, TZ06, Tiu77, Tom19, Vel18, Ven97, Wan82, WWS19, Wes90, Wes95, YQ90, ZS05, ZCZ12]. Span [Zha01a]. spanned [Bun94]. spanning [CJY22, DWL20, FGHL22, FTA20]. Spans [How86]. spark [AB19, MO22]. sparse [CW20, Sol14]. sparsity [SM94, thHK17]. spatial [LMMR15, ZQZ21]. Special [Abd20, BE20, LPT13, AG16, Bas17, CL91, CL17a, Dok89, Elg22, GA18a, HS83c, Joh81b, JLL88, KS22a, KL21a, KS76, KV13, LT09, Ma15a, Mal95, New80b, Phu80, Pop14]. specializations [MF77]. specific [Shi18]. Specified [Che03b, Ako79b, JKS79, Kap77, Kir14, PRS03]. specifying [Joh77a]. Spectra [AGH+22, BP16, DKY22, DWCD19, ESAJ18, Gd16, Gd21, JZK20, LZ15a, LPT11, LM10, LZ14b, MOTvdD03, MGA17, RP22, YW19, AAdF23, APEPPS23, BHC16, Bar08, BS17a, BSA13, BSJ15, Ber05, BPR20, CL17c, CTY20, CD15, Cro80, CS85, DFP23, DK17, Fri82b, Fri12, GR93c, GM90, JKD16, JP17, JMS15, Kra06, LS10, LLD17, LXS21, LS21b, Meh84, Mir18, MA15c, NP15, NP09, Sah21, SES21, SCA22, WZ13, XSI8, ZLS11, ZG08]. Spectrahedra [KRR18]. Spectral [CBZ22, CMM18, DH22, FJK22, Fla74b, FJ01, GMV23, GN20, Gho19, GS20b, IS15, LN16, LLF18, NG15, OST20, RW22, SS23, SRD19, TZ19a, Tos79, Tur02, WY20, WYS22, WC12, XQ16a, Yiz02, Yiz03, ZB13, AAS14, AL21, ACMR17, BPD88, BEH19, BD4, BKL97, BE22, BBZ15, CNW21, CCS16, CR22a, CHQ18, CIZ17, CH22a, Che22b, Cos14, DFK19, DLSS18, Din15a, DIF13, EAM19, FTZ08, FGHL22, Far94, FLZ07, FYIS13, Friz11, Friz93, GB22, GL11, GTZ75, Gow22, GB11, GLS16, HH22a, HRMP95, HLW+21, HLZ22, Jaa22, JS22, JYBB22, Joh77a, JN90a, Kir04, Koz17, LP07, LLW+11, LTT84, Li86, LMR94b, LT11, LT12a, LC14, LLP18, LS12, LS13, LL15, LZ17a, LZZ18,}

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spectral [MAM15, MA15c, NP13, Obo23, PG22, Pep11, Pep19a, Pep19b, PRS03, PGAB22, SQM99, SWH15, SQH15, SYZL17, SHTL17, SR22a, SKLS20, SZWB16, Sza09, TJ11, Tan13b, Til98, Ton87, UZ16, WSH+11, WH11, ZW17a, ZWL15, ZL19, ZW17b, dPN81, dlP09]. Spectrally [BM12, CM07, GHT16, IS16, MY12, ZHLZ13]. Spectrum [GMZ17, JC22a, KLZ96, LLM05, PS20, Rod03, Sen83, TN22, Zen22, AN19, AA21a, AHI22, BPI22a, Ben18, BR10, Boa13, BC20, BM15c, CIP17, DP17, De-V22, Gil12, GT08, HMO11, JX13, KP12, Kra05, KML95, MM20b, NC22, PRAC22, RA21, RAN22, RP00, So99, WW12, Xu93, ZZZ16, dFK21]. spectrums [Sin82b]. Sperner [Can80, Har84a]. spheres [–Dok81]. Spherical [Gam00, KKY22, CLL14, Da88, DKL22, Gam18]. spin [AF12, Ger82]. spinor [–Dok81]. splines [DTSI15]. Split [KADM10, CC22a, CT22, EO15, KL21b, Mar12, Poz22]. split-quaternion [KL21b]. splitting [LW17, Pop20b, WZ12, WL22, Xio23, ZV19]. splittings [CP81, JML13, SGM22, SPS15]. spread [AFTG19, FX12, NT94, PGAB22, SD12]. spreads [Tho92b]. SQB [JLL18]. SQB-tensors [JLL18]. Square [Bon02, CL74, JN80, MDW11, ZWZ10, AKS18, BL13, DKL22, Din15b, DS22b, Gre99, HL09, IK19, Koli23, LLW07, Mag22, Nip11, Pab22, dSP17, ST80, SLO16B, Slo18b, Sol80, Sta15a, XQ16b, ZWW10, dFSY22]. Square-zero [MDW11, ZWZ10, AKS18, DKL22, dSP17, Slo16b, Slo18b, ZWW10]. squares [AS95, AAB17, BTT20, Bur11, Caf13, DLQ18, Din98, Gra87, GK77, JS84, LW08, LW10, Pen15, Ric85, Ric87a, SMF95, Sin73, Sin76a, ST80, Vae86, Wan15, Wan17b, WDX21, WL22, Wu09, XQ123, YL11, YL15W, YL17, ZW122, ZLZ++]. SR [JXL15]. SSOR [Neu84]. Stability [DPR22, FD12, JOvdD85, KUS22, Lee94, Lev74, LS22c, PT02, RRR93, TT18, BC83, BV16b, BK83, BG21, Cai93, CCS16, CW17, Den14, DHKS16, Dra21a, ES98b, GPM98, Gö¨r22, GX17a, HRT15, H888, Jvd99, Jvd98, LLHS18, LHZ18, Neu79]. stabilizable [Ra14a, Ra14b]. stabilizer [AF11b, JSP86]. Stable [Fri84, GGL03, Ra14b, ES00, Jam88, Jam95, LC18b, ME18b, Sta84, Ra14a]. staircase [Hwa85]. Stand [De82b]. Stand-alone [De82b]. Standard [M902, CW11b, HN19, Rem82, YWO07]. Stanley [Har84a]. Star [BH16, Cve95, MRD15, Sta20, ACMS10, BS16, BH13, CT96, Cir15, Cir16, CC22b, DSD83, DF90, GS06, GLX22, HS83c, Kre16, Leg06, YZB22, dNV19]. star-graded [dNV19]. star-shaped [CT96]. starlike [OST20, ZB13]. stars [BF05, IK20]. State [CFP21, BLX18, BFZ07, CF21, CG16, DPP17, Gue17, Gue19, HRT15, KMP+19, LLZ22, LCXC22, LCWW22, PB17, Pa121, TM19, TYC21, WC22a, ZLZ20, ZQZ21]. state-feedbacks [HRT15]. state-wise

subject \cite{Wan15, YqS16}. Submajorization \cite{AR22, Han17, BCK15, LP22b}. submanifolds \cite{RBB22}. Submatrices \cite{LP03, Che22a, Cho82, Cra09, De82a, FJM00, FT21, Fie81, GKV89, HS87, HK17, Job84, Loe87, MN96, NTHU93, SP87, Tho92b, Vei82b, Zab89, dO75}.

Submatrix \cite{DS09, XY22, ZHZ11}. submodules \cite{GS20a}. submultiplicative \cite{Kra05, Kra06}. submultiplicativity \cite{HJ87, JN90a, JN92, JN00, Mer78a}. submultiplicity \cite{BB15a}. Subnorms \cite{GGL03, GL01, Gol07}. Subpermanents \cite{Min75, HM95, MM90, Mal91, Vrb86}. subrings \cite{MP87b}. subsequences \cite{ACJ17}. subset \cite{Bal79a}. subsets \cite{MO13, ySpW22, Tom19}. Subspace \cite{Pat17, BEH19, Das18, DH20, EJS22, GP06, Jaa22, KV23, LH22, LC18b, MW18, YW10}. subspaced \cite{RRR93}. Subspaces \cite{BR04, CD01, Gal08, haYsS99, BG86, CDJ13, CLW15, CLR81, CHK00, CS95, CF15, Dat16, Far94, GQ06, JS94, JP15b, KMEO12, LS22c, MMRR09, Pat77, Pat84, Ras19, Rod81, SSGP23, ySpW14, Tam98, WG91b, XFG14, Zha13, dB16}.

substochastic \cite{CKP16, CK17, CCKL20, CCW20, Esh22a, Esh22b, Gib92, Har84b}. subtends \cite{Bal80}. subtraction \cite{WTD22}. subactivity \cite{Zha05}. subunitary \cite{ZYL13}. subvarieties \cite{GP15}. such \cite{Fan92}. Sufficient \cite{CHQ18, CC98, EOvdD09a, EOvdD09b, Gue19, LOO22, AW07, HB83, Pal79, Rou98, SQ15, Wan82, ZW17b}.

Super \cite{CCC21, CPT15, FD17, KV22, LS22a, AA12, LOO22, MZ17, Mit10, Zha21}. super-additivity \cite{AA12}. Super-biderivations \cite{CCC21, FD17, LS22a}. Super-linear \cite{KV22}. superalgebra \cite{CCC21, CPT15, CMDE19, DH18, GMZ11, HH22b, SY22}. Superalgebras \cite{LR13, dNV19, AH20, CPS22, CV94, FD17, FdSV16, GLdS22, GdSV16, BMN22, HLS18, LCC19, LC22, PN22, WL16a, Wan16c, WL16b}.

Supercharacter \cite{Sun21}. supercommuting \cite{HDJ97}. Superconvex \cite{AFA22}. Superconvex-cyclicity \cite{AFA22}. superderivations \cite{GLdS22, LC22, SY22, Wan16c}. supereigenvectors \cite{IW95}. supererulerian \cite{WYSL22}. superinvolution \cite{LR13}. superoperators \cite{JP15b}. Superoptimal \cite{DS02a}. Superposition \cite{Ogu20}. supersolvable
support [Cao19, WZD16]. supported [HMO11]. supports [Hil18].
surfaces [BFM22, FYIS13]. Surjective [Cos14]. surjectivity [BGLSSS20, ME18a]. survey [Ano92g, BL92, CR90, Far93a, KS17b, Mer95].

SVEP [BZ22a, DC20]. sweep [WL22]. switch [GKT97]. switch-setting [GKT97]. Syllow [Sun21]. Sylvester

[Bar80, Bay22, Bed11, BS17d, DH11, DM22c, GPM98, Haj18, HKT15, He21, HM20, HK, KM17, Leis8, SWL13, WXD21, WXZ22a, dFK21, dCdSA22].

Sylvester-like [KM17]. Sylvester-transpose [BS17d]. Sylvester-type [He21].

Symmetric [He21]. Symmetric [BS17c, BBM15, CCLL22, CKMY22, CA03, CD03, DS02b, GR81, JT04, JMP17, LR96, Pat81, Pie85, Zha04b, All14, BH23, Bal14, Bal18, BL97, BS16, BS17b, Ben90, Bén11, Ben74, BH74, BB75, BB15b, BLSV12, CKGP21, CL85, CFSGL18, CL92, CSS21, CW23, Che91, CT09, CLNT17, CL13, CK19, CKKY23, Coe96, CW93, DH11, Deu80, DIJ23, Dok75, DLR91, DCLW19, Elg22, ETM22, Fan73, FJ15, Fit94, For87, FM22c, GS06, Gib76, Gon17, GZW20, HHIC12, HWL92, HJ20b, HZS22, IAM23, JKB17, JR09, KKL22, KL19, KKR12, KN81, LR13, Leich95, Li87b, lFLyP15, LM95, LLL09, LL10a, LZ9b, Lim79a, Lim90a, Lim92b, Lim92c, Lim97, Lim10, LT14, Lim92, LTT11, LGB17, LPX23, Loe01, LS21b, Lop11b, Lop18, MM05, MS85a, Mat92, Mat11, MQ21, Mer94, Min76, Mir18, MMG15, MAM15].

Symmetrization [HO17]. symmetrize [Pat90]. symmetrized [BJ93, BD97, Gam18, Hol95, H12, MC78, Mar78, MC83, MC89, Mer77, WG91a].

symmetrizers [CdS03, Uhl13]. Symmetry

[DF95, HT92, HK16b, MS08, MR74, RC18, Wil81, Cha78, CL86a, CL86b, CL13, DP00, Der83, Fin92, HLS18, Hil76, HK13, Jin17, Jun88, KCBR87, Lim76a, Lim76b, Lim82, Lim90b, MC28, MC86, MM76, Mer78c, Mer79c, Pat95, Rob77b, yT86, WG91a, WG91b]. symmetry-antisymmetry [Pat95].

Symplectic [BB21, BB17c, Ter22b, Chi22, DP09, Den05, Don91, FP17, Hou22, LYS15, Ma92, MC19, MMRR09, New75, She21, SM19, Zha22].

synchronous [ZV19]. system [DH11, ESH23, FH1, HW14, HW14, He21, HM18, KO10, Lap18, Mil22, Ned98, NF19, Pop17, SPKC15, Sti87, WL22]. Systems

[Gi89, JR93a, KS02, KT83, Lev74, BH23, BC83, BNKJ22, BE23, Cam83, CNW21, CW20, CJ12, CF15, CFP21, CIRW21, DPP17, D86, Din00, Doo16, EKO14, Elg22, FNW18, Gov22, GR93c, GC22, Hai92a, Hai92b, HMDAD13, HW15, HRT15, Hla17, HWL21, Hua22c, JS84, JL22, JT23, JR93b, JSY14, KP11, Kug22, Ky12, LF15, Lai80, LZ19b, Lop11a, MC17, MG22, MW19, MHM22, NT91, Roh91a, ST86, Sin83, Son22, ST79b, Wer84, WW80, WL22, XLL15, Xia20, XJW17, Xio23, Yqs16, YZC21, ZWZ23]. syzygy [HJ20a].
T [Ano16b, Slo13c]. T. [Cha84b]. T=AB [AP74]. T=AB-BA [AP74].
table [Sin21]. tableaux
[Ber86, Chu90, CPT15, Don91, KW92, KW93, Mal95, Rem82]. tails
tangent [BR13, Tii77]. Tate [AST07, GR14, Rom07]. Taussky
[JZ95, Joh90, Sch77]. Taussky-Todd [Sch77]. Taylor [M22]. TD [HZH20].
team [KS93]. technique [DLL19, FN14]. Techniques
[BT17, Whi75, Whi79]. Temperley [Byt20]. Tensor
[BB13, CHS22, ILZJ19, LIV18, Pat92, Wil73, Wil99, Bal14, Ball8, Bar76,
Boa13, Bre16, Byt20, CX23, CL85, Ckr18, Ckr21, CL83, CQW16, CY22a,
CKL16, CW22, Der16, Der18, DM18, Din15b, DH16, DCLW19, EJS22,
FHL+14, Fow80, Fri82b, Gam18, GPW22, GWW15, Gil16, GLM+22, Hac22,
HM22, Hol95, HT12, HM20, HM22, HWS13, IAM23, dJFliz+21, Koi21,
Kru06, LL16a, Lee94, LXX17, FL++17, LZ19a, Lim92a, Lim15, Liu18b, MC80, MS88, Mar11, McF79b, Mef79a, Mer78b, MWC22,
Neu74, Ng14, Nir11, Nor95, Nor98, PM22, Pat87, RSP17, STM10, SN22a,
SLW13, Ven19b, WX19, WX21, WL22, Wes95, XJW17, XJS20, XW22c,
YLX20, YQ90, ZF15, Zhu22, Zuz22, PMP22]. Tensoring [Abd09]. Tensors
[Lim01, MR74, BD97, BM17a, Cha78, CL95, CBQW19, CK19,
CCLN16, CP17, DP00, DM19, DM22d, DF95, DL22, Dko75, DNY22,
FDLB20, GMV23, Gau76, GR10, GZH19, KY22, HKv3, Hil76, HT92, HK13,
HK16, Hqi14, HM19, JLL18, JZL20, Jin17, JKB17, Jun88, Ksmb16, Kj13,
LPZ13, LZ01, LL16b, LLL16, LCL22, Lzt18, LKLC22, Lim76a, Lim82,
Lim90b, Lim92b, Lim97, Lim10, Liu18b, MS08, MC78, Mar78, MC82,
MC83, MC86, MC89, Mat11, MM76, Mer77, Mer78c, Mer79c, Mss18,
PBM20, Pat77, Pat90, Pa70, RS17, Rob77b, RC18, SL91a, SQH15, SN22b, SQ15,
SK+20, Sta14, Sta15b, SLH16, SLH18, SL21, SF17, SMS15, SMS21,
SZWB16, SZBW16, ZZY18, Sun20, yT86, Wan82, WG91a, WG91b, WLX16,
WSZL17, WW20, XQ16a, XHL20, ZL18, Zha19, DP74]. Term
[KS12, BSL16, BS22b, Hua01, Kom10, YLLX20]. terms
[Bal14, CHQ18, Dua22, Huy22, kir00, LL15, MF20a, Pan13, zSzS16,
TW19, WW20, War21, WL23, ZBW16]. Ternary
[ABM22, BX11, BP09, KPS19, LLY22]. Test [BC85, LB19]. tetracyclic
[GH22]. th
[HL20, IAM23, KW21, LT91, LLS10, NMAB22, SSG12, yT86, vBW95].
Thanks [Ano10, Ano11b]. Their [SK03, AdFK15, ACJ17, AkoZ20, BS15a,
BS92, BS16, BS17b, BS22b, Che92, CBZ22, CL14, Cty20, CAP22,
DL22, GKS01, GL16, GLS16, GZ22b, HLT22, Hoon93, HL81, Hn16, Iop19,
KJF23, KS15, KT19, KE82, KAE22, Kut19, Lei98, Man91, MP90, MMRR16,
Mia03b, Moh16a, MA15c, NS85, Nor08, PP22, PW23, Pow88, QM21, Rie81,
SLW21, SU77, SS23, SA21, SLUG04, Sin93, SL95, Sr20, TT12, Tz19b,
Ter22b, Tia11c, Tia18, TM0vd93, Tur02, Uhl99, Zha97, ZBW16, ZY08].
Theorem [BBM20, LMMR15, Mac09, Pop20a, Adk95, AM15, Aha76, Ahi16,
AY95, Bgk99, BGK00, BZ22a, Bla77, BS22d, Bun91, Car19, Chi11, CLPLH17,
Theorem [HWY17]. Theorems [Jun88, AEV12, AyT84, Bar07, BGLS07, BT22b, CMR20, CM84, EL09, FD12, GL85, GL16, Gut01, Hon91, Hsi78, Hua16, HWZ18b, ISCS11, KK18, LRT91, Li96, LM98, LN16, LW17, Liu22b, MP87a, Mar89, Mas10, MS81, ST86, Tan13b, XLL15, XFG14, ZV19].

Theoretical [Far17, Ari16, Cla92]. theories [Sun21]. theorists [Sch77].
[DLSS18, JKY23]. TP [CJ20, JN14a]. Trace
[BF15, Epk89b, Epk89a, FG22, GR14, Gur98, Kov77, Kru06, Lew96, MP13b,
AW07, AST07, Car06, Cho18b, Dra16, Ebe80, Gal79, Gei78, IAM23, Kap77,
KMM22, Mau78, MR19, Reg87b, Rem88, Rev81, Rob77a, Rom07, SQH15,
SW81, Tik98, YSK15, ZY13, ZX16, ZBW16]. trace-distance [ZBW16].
trace-form [Mau78]. traceability [Lu22, WY20]. traceable [ZW17b].
Traced [RSPT17]. traceless [LT14]. traces
[Cho18a, Fra13, IWF15, Wan16d, XWF15, ZBX18]. tracial [BZ19, Man17].
tragedy [Die79]. trains [HMR22, HWSH13]. transfer
[CF21, CG16, KMP+19, LLZ22, LCXC22, LCWW22, PB17, Pal21, TM19,
TYC21, WC22a, ZLZZ20]. transference [FP17]. transform
[AL78, CM19, DL22, DKY22, Elo18, JLL07, KKY22, Loc73, RS08b, ST08].
transformation
[BG82, CS10, CR77, Dia90b, EAGM18, Lim76a, LM10, Rob75, WWS19].
Transformations
[Hla17, Loc74, Wes74, Wes95, AW83, Bea78, Ben78, BP12, Bot79, CL83,
CL92, CL21, DK17, FA22, Gau76, Hal78, Jam81, JLL88, Kov77, Kun99,
LL90, Lau81, LLWX17, Lim79a, Lim90b, MHH96, Mcf79a, MP73, Min77,
Neu83, PLL00, Pat77, Pea84, SSZ93, TRM22, Wat85b, Wat82, Wei93].
Transforms [And04, Far20, Lee98]. transients [MNS22]. Transition
[BR96, Tua74, CPZ17, LN14, Wai11, XXF22]. transitive
[CL06b, LZ09, LMR00]. translation [Sel81]. translations [PY82].
transmission [JAS21]. transportation [BS18d, CCLL22, Har91]. transpose
[BS17d, Cho18a, Gow80, WCS+21]. transposed [CR77, Rob75, YH22].
Transposes [Rie81, Sin93]. transposition [AF11a, AF11b, AF12].
transversal [Kas85, Mon86a]. treatment [Smi74].
Tree
[AT18, LBLT+15, AFJK17, Bap97, BGK99, BGK00, BCDF09, CD21, DJ23,
GGH22, JD99, JSL, Mar89, NP09, NU94, Pat07, PJ90, WWTT22, Zim98].
Tree-patterned [NU94]. Trees
[BMP22, MSZ04, Moh16b, AAS14, AD17, AEG19, AKB21, BGK00, BN06,
BP08, Bru79b, CJY22, CDK22, CJL22, DWL20, FGH22, FLZ07, Fie90a,
For79a, GHL10, GH23, GF10, HLW+21, JSLW99, JS16, KNS96, KN07, KN00,
LP07, LT12a, LC14, LZ19c, LH13, MN04, Moo95, Mon20, NP13, Obo23,
OST20, PP22, SG06, TJ11, WBJ21, Yin21, ZL22, ZB13]. tree [MC19].
tri-covectors [MC19]. Triangle [AAP82, DZ22, Tho89, TW19, YT01].
Triangle-free [DZ22, TW19]. Triangles [FS18a]. Triangular
[BKL02, Che03a, Gal03, Iov15, MP19, Wri22b, BHC16, BT90, Ben05, Ben07,
Ben16, Ben22, BGV11, BHL15a, BDvW16, Bou13a, BSZW13, Cdl15, CW16,
CQ22, Cho10, CKL20, CL01, CC18, CID18, DTS14, Do10, DC20, DC23,
DW12b, DHH22, DH22, EGT16, Erc15, FZ17, Fos05b, GGH22, Gha13, Ghi22,
HC14, HH85, HLZ18, Hou21, Hua10, JLZ12, JSE90, JU00, Kob06, KPPR21,
LSS01, LB11, LT22b, MJ07, MSH98, Ner22, Neu83, PS20, QHL1, Rie78,
Sil90, Slo13a, Slo14b, Slo14d, Slo15b, Slo15a, Slo16a, Slo17, Slo18a,
TZ17, UG21, VM07, Vla22, Vla23, WOY06, WZC11, WZL13, Wan16a,

triangularizability [DK14, YT15]. triangularizable [Rus16].

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Triangularizing [Bot97].

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triconnected [Vo83b]. tricyclic [GL11, HHW15, KS23]. Tricylic [RY93].

Tricyclic [RY93].

triangularizability [DK14, YT15]. triangularizable [Rus16].

triangularization [Laf78]. triangularization [Wri93]. Triangularizing [Bot97]. triangularized [Muk20]. triangulation [Che18].

tricyclic [GL11, HHW15, KS23]. Tricylic [RY93]. Tridiagonal [SJ02, AC13, Aln15, BG82, DOP22, Deu80, Doo16, IOMA21, IOMAN21, MR13, MNN+98, SR17, YHCW14].

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Xiong:2013:LSI


Xu:2018:ESS


Xu:2018:RDI


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Yu:1996:GSN


Yu:2019:BNR


Yuan:2021:SSO


Yan:2014:CTS


Ye:2011:KIS


Yang:2018:WLD


Yamanci:2019:HHT

Yu:2015:MIO


Yang:2022:BCI


Yopp:2005:EEF


Yuan:2022:BDT


Yu:2014:EPT


Yu:2013:BSR


Yin:2021:MER


Young:1980:FCM


You:2015:PRW


Yun:1990:DTS


Yu:2016:SSL


Yuan:2023:MSR


Yousef:2015:ONI


Shu:2014:DFS

Shu:2017:ABM


Shu:2022:OCE


Shu:2021:EFS


You:2017:SUL


Yu:2022:CGM


Tam:1986:GTD


Tam:2000:GME


Yu:2009:DRG


Yongfeng:2010:DLD


Yuan:2016:SQM


Yan:2019:SGU


Yu:2007:ASB


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Yang:2013:CAG

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Zhou:2013:SCL


Zhou:2012:GIB


Zhang:2016:LBF


Zhou:2022:WCI


Zhuang:2012:APD


Zheng:2022:IIE


Zhu:2016:FRI

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Zhu:2017:ROL


Zou:2018:CEE


Zhou:2021:CIL


Zhang:2022:NDG


Zhou:2022:WGI

Zhou:2018:MBG


Zelmanowitz:1975:IMA


Zellini:1985:ACP


Zeng:2022:SLE


Zelmanowitz:1978:BR


Zhang:2017:RNE


Zhou:2008:CBO

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<td>[ZH22]</td>
<td>Shahid Zaman and Xiaocong He</td>
<td>Relation between the inertia indices of a complex unit gain graph and those of its underlying graph.</td>
<td>Linear Multilinear Algebra</td>
<td>70(5):843–877</td>
<td>2022</td>
<td>CODEN LNMLAZ. ISSN 0308-1087 (print), 1563-5139 (electronic).</td>
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Zhan:2001:SOO


Zhang:2001:EWI


Zhang:2004:MIS


Zhang:2004:AMP


Zhang:2004:GCH


Zhang:2005:LPR


Zhang:2013:AMA


Zhao:2019:TNS


Zhang:2020:MBP


Zhang:2020:FCP


Zhao:2021:SFF


Zhao:2022:LCP


Zhang:2009:MPN


Zhang:2013:SSA


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Zou:2012:CCF


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Zhu:2019:CPC


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Zhan:2018:EZS


Zhu:2021:CSC


Zhang:2005:ARO


Song:2016:UBN


Zhang:2012:URA


Zusmanovich:2022:CBT


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Zheng:2019:ICT


Zheng:2018:PBL


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Zhou:2017:SSS


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