

# A Complete Bibliography of Publications in *Linear Algebra and its Applications*: 2020–2024

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## Title word cross-reference

$(-1, 1)$  [Obo24a].  $(0, 1)$   
[Loe21, Shi21c, DGS20, EJS24, GS23b].  
 $(0, \pm 1)$  [DGS23].  $(1, -1)$  [MSX22].  $(\alpha, \beta)$   
[SWW22].  $(Au, A^r v) = (u, v)$  [BKS<sup>+</sup>21].  
 $(Au, v) = (u, A^r v)$  [BKS<sup>+</sup>21].  $(b, c)$  [Dra23].  
 $(\infty, \infty)$  [GOZ21].  $(k + 1)$  [OdFVM21].  
 $(M_2(D), sl_2(D))$  [CK24b].  $(n + k) \times n$   
[BDNO20].  $(n, m)$  [GZZ21].  $(p, q)$   
[AdST22, MMV22].  $(t, t)$  [HW21b].  $*$  [BN23].  
 $-1$  [WLL23, ZW22, BD21b].  $\{-1, +1\}$   
[AdL21].  $-3$  [LLL22].  $0$   
[ABW22, BD21b, CHY20, HL20, Lyu20].  
 $\{0, 1\}$  [WW22].  $1$  [ABW22, BD21b, CHY20,  
HL20, KLR22, Lyu20, ZLLZ22].  $1/2$   
[GK20, WQP23].  $123$  [BC24a].  $12 \leq \alpha \leq 1$

[LQ21].  $2$   
[Alf20b, BS21a, Ban22, BEF20, BDV21,  
GLT23, LNN<sup>+</sup>20, SV21, XZWT20, ZG22].  
 $2 + 2$  [LWB20].  $2^w \times 2^w$  [DD20].  
 $2\theta(G) + \rho(G) - 1$  [ZW22].  $2 \times 2$   
[BDK21, WZL21, Xie21, ZZZ24].  $3$  [BC24b,  
IKPR20, MV24, SS23c, ZZJ23, Zhe21].  $3 \times 3$   
[CLW22, CdSV22].  $4$   
[CN23a, CN23b, Ere21, FN23, TCC21].  $4 \times 4$   
[CRSY22, GHL<sup>+</sup>24].  $5$  [JMP21b, TCC21].  
 $5 \times 5$  [LV22b].  $6$  [ZWF20].  $6 \times 6$  [HA24].  
 $[a, b]$  [WZC23].  $*$  [CAEH<sup>+</sup>22].  $\alpha$  [CLM22].  $A$   
[BKPS23, CLM22, Djo23, KZ24b, SBP24].  
 $A(R, S)$  [FdCP20].  $a_2 - c_3$  [IKPR20].  $A_\alpha$   
[CT23, CLM20, FW22, HLS22, LQ21,  
LTYZ23, LY23, LMG20, LDSS20, WWT20,  
WFGT20, XWT20, YBW24, ZZ21, ZHW21].  
 $A_n$  [HXZ24].  $\alpha$  [CDG21, DLVV21, LL21c,



TCC21, WSW20, XWT20].  $\alpha(M)$  [FQ20].  $*$  [AG15, AG20].  $AX^\varepsilon + BX^\delta = 0$  [DL23].  $AXA = XAX$  [Djo23].  $b$  [ZL23c].  $B_q(n)$  [Sri24].  $\beta$  [SPMSC24].  $\otimes$  [Mor22].  $c$  [GS21a, vdMvSW24].  $C^*$  [CMM20].  $C^n$  [EJL20].  $C^*$  [BH24, CN20a, CDR23, EE23, FPS22, Ham22, MS24b, Sin21, XY20b].  $C_2$  [RT21].  $C_3$  [LMX23].  $C_3^-$  [WHL24].  $C_5$  [MLH22].  $C_6$  [MLH22].  $\mathcal{T}$  [CN20a].  $D$  [KP21, Kus23, Zha21, vED22].  $D_n$  [Sim21, WWG22, Wan23].  $\det^{S^3}$  [LS24c].  $\ell^\infty$  [FISW21].  $\ell^p$  [HJ24, KS24a].  $\eta(G, \sigma) = |V(G)| - 2m(G) + 2c(G) - 1$  [LW21d].  $F_2$  [Zal24].  $F_{q^6} \times F_{q^6}$  [BCM21].  $G$  [CDD21, CL22, CIMV24, GG21, AAMR20, DY24, ZWT21].  $G^*JG = J$  [EJ23].  $\text{Gr}_3(C^6)$  [HPSZ21].  $H$  [AMO24, CGP22, CS21, Gor24, GvRR21a, GvRR<sup>+</sup>21b, SMA21, WES21, vRvSTT21, MMV21].  $H(3, 4)$  [DG20].  $i$  [GZZ21].  $J_q(N, D)$  [LIW20].  $K$  [FSRVST22, GW24b, LL21d, AdLN23, BCE21, BSZ24, BF24c, Fio20, HJBKR24, HL20, HLS21b, KLSP24, Le22, MP20a, OdFVM21, SSP22, SWW22, SSvW20, VTBC20, WSW20, Yaz21, ZF24, Zhe20, ZBWL20].  $K_{1,t}$  [ZL22].  $K_{2,t}$  [LLW23].  $K_{3,3}/K_{2,4}$  [WCF21].  $K_5^-$  [Wan24].  $\{K_{k+1}, L_s\}$  [ZY24].  $L$  [BM22, JLW22].  $l^\infty$  [Yu20].  $L_+^n$  [HS23b].  $L_1$  [NNSS20].  $\lambda$  [Mif21].  $[g]/2$  [DY24].  $[g]/2 - 1$  [DY24].  $\leq 4$  [Com21].  $LU$  [LY20].  $M$  [CEJM24, CS21, DMS20, KLS21, Men22, Beh21, BCG24, EJL20, GvRR<sup>+</sup>21b, JJS20a, SZH22, ZYZ24].  $m, N_A$  [Aou24].  $M_n$  [BSC23].  $M_n(E)$  [Fid22].  $M_n(F_2)$  [Šte22b].  $M_n(K)$  [MvWZ24].  $CP^n$  [SS22].  $\mathbf{DL}(P)$  [DN23].  $\mathbf{F}_q^n$  [AS20a].  $\mathbf{Q}$  [GvRR<sup>+</sup>23].  $\mathbf{T}$  [Kha24].  $\mathbf{Z}$  [dAGK21].  $\mathbf{Z}_n$  [CPS20].  $\mathcal{AN}$  [GOUY23].  $\mathcal{B}(\mathcal{H})$  [AGK<sup>+</sup>21].  $\mathcal{C}$  [Jia24].  $\mathcal{CX} \otimes \mathcal{BH}$  [EE23].  $\mathcal{D}_\alpha$  [DPR20].  $\mathcal{L}(\mathcal{C} \setminus)$  [MRZ20].  $\mathcal{L}(\mathcal{H})$  [Wój22b].  $\mathcal{L}(\uparrow_\varepsilon^\varepsilon)$  [Wój22b].  $f\uparrow(\in, \mathbf{C})$  [JL22].  $f\uparrow_\Delta$  [Mor22].  $\mathbf{L}$  [BES21].  $N$  [CT20, CK21, JKX20, AS24a, BDNO20, BCE21, CW23a, CW23b, HHS21, LP21, SZH22, ZWT21].  $n(G) - g(G) - 1$  [CL22].  $n - 3$  [TWW20, TW21].  $n - d$  [ZWZ24].  $n - g$  [ZWT21].  $n = 2, 3, 4$  [SZH22].  $n \equiv 0 \pmod{4}$  [Wan23].  $n \times n$  [DZCY22, SSvW20].  $O(n)$  [TP23].  $O(q, k)$  [HHS20b].  $\omega$  [MPS24b].  $\Omega(2^n/n)$  [Sha22].  $P$  [CK21, MC21b, ME21, MST24a, AAFM23, AdST22, BM22, CI21, KLLW21, LL21a, dSP20a, ZKLS20].  $p(\lambda)$  [GvRR<sup>+</sup>23].  $p(X) = A$  [GvRR<sup>+</sup>23].  $\pm 1$  [HT23, RRL<sup>+</sup>24].  $\psi_S$  [AP20].  $\text{PSL}(3, \mathbf{C})$  [BCNS22].  $Q$  [HLN24, JLW22, LMX23, OPPS22, Sud22, Tan23, ZL22, AKVS23, BPS23, BCD<sup>+</sup>24, CKOS22, Hom20, Jia24, KAGH24, Lee20, LHZ21, Ner20, ZZ20].  $q + 1$  [Hom20].  $q + 2$  [Hom20].  $Q_0$  [CESS21, SNK22].  $r$  [LC20].  $R^d$  [DO22].  $R_0$  [ME21].  $\rho$  [KZ24a].  $S$  [DP23, MPS24a, AK20, BNS22].  $S_n$  [HMS21, Paw24].  $s \geq 3$  [BNS22].  $\text{sl}_n$  [Bar22].  $SR$  [FRS21].  $\star$  [Ham22].  $\text{SU}(2)$  [Sol20].  $T$  [MQW20, BNS22, FdCP20, WXY24].  $t \geq 2s - 2$  [BNS22].  $\tilde{D}_n$  [MP23b].  $\times$  [CL20].  $U_q(\widehat{f\uparrow}^2)$  [LIW20].  $\varphi_S$  [MPS24a].  $W$  [ME21].  $W(B_n)$  [Ces20].  $x^q + x^{q^3} + cx^{q^5} \in \mathbf{F}_{q^6}[x]$  [MMZ20].  $z$  [DLVV21].  $Z_2$  [FGGG24].  $Z_m$  [dGL24b].  $Z_q$  [GFD21].

**\*congruence** [Sta21, Sta24].

**{-1}** [AdLN23]. **-actions** [Gor24]. **-algebra** [CDR23]. **-algebras** [CMM20, CN20a, CAEH<sup>+</sup>22, EE23, FPS22, Ham22, MS24b]. **-analog** [Jia24]. **-analogs** [BCD<sup>+</sup>24]. **-analogue** [MMV22, Ner20]. **-analysis** [AKVS23]. **-avoiding** [BC24a]. **-banded** [BF24c]. **-Bernstein** [MMV21]. **-Bures** [DLVV21]. **-Buzano** [KZ24b]. **-by-** [CN23a, CN23b]. **-chromatic** [Ere21]. **-circulant** [AAMR20]. **-commutant** [BPS23]. **-commuting** [BPS23, LP21]. **-complex** [EJL20]. **-connected** [HLS21b, ZG22, ZBWL20]. **-contractivity** [BCE21]. **-Core** [Mif21]. **-covered** [WZC23].



**-cut** [AdLN23]. **-cycle** [TCC21, ZWF20].  
**-deformed** [CKOS22]. **-designs** [BNS22, HW21b]. **-dimensional** [BS21a, Ban22, FN23, GLT23, LNN<sup>+</sup>20, SZH22, SS23c, ZZJ23]. **-distance** [BNS22, KAGH24]. **-domination** [AAFM23]. **-double** [AdST22, ZZ20].  
**-eigenvalue** [CLM20, WFGT20]. **-eigenvalues** [Zha21]. **-extreme** [BH24].  
**-factor** [ZLLZ22]. **-factor-critical** [ZF24].  
**-factors** [ZL23c]. **-forest** [BEF20]. **-frames** [LL21d]. **-free** [BES21, LMX23, MLH22, WHL24, Wan24, ZY24].  
[?]free/Min:2022:SUB. **-functions** [Beh21].  
**-gain** [Kha24]. **-graded** [CIMV24, GFD21, dAGK21, RT21, dGL24b].  
**-gradings** [FGGG24]. **-graph** [GZZ21].  
**-graphs** [LC20]. **-Hahn** [Lee20].  
**-hypercontractivity** [JKX20].  
**-hyponormality** [BCE21]. **-idempotent** [HL20]. **-independence** [Fio20]. **-index** [TCC21, CT23, JLW22, LTYZ23, LMX23, ZL22]. **-infinity** [WES21]. **-integral** [OPPS22]. **-intersecting** [WXY24].  
**-invariant** [GG21, TP23]. **-inverses** [Dra23]. **-Isometric** [JJS20a]. **-isometries** [BCG24, Aou24]. **-join** [CGP22, SMA21].  
**-labelling** [SWW22]. **-line** [OdFVM21].  
**-linear** [FSRVSST22]. **-Majorization** [vED22]. **-matching** [ZF24]. **-matrices** [CEJM24, DGS20, DGS23, EJS24, GS23b, MSX22, RRL<sup>+</sup>24, WW22, CS21, CT20, CK21, KLS21, Men22, Tan23]. **-matrix** [BM22, DMS20, LDSS20, MST24a, SNK22].  
**-minimizer** [HLN24]. **-minor** [WCF21, ZL22]. **-minor-free** [LLW23].  
**-module** [XY20b]. **-nearest** [Yu20].  
**-nonnegative** [vRvSTT21]. **-norm** [BM22, KLSP24, NNSS20]. **-normal** [LL21c]. **-norms** [CI21, FISW21].  
**-numerical** [vdMvSW24, KZ24b, SBP24].  
**-operator** [KZ24a]. **-orbit** [HMS21, Paw24].  
**-order** [SZH22]. **-orthogonal** [AP20].  
**-palindromic** [BN23]. **-phases** [CDD21].  
**-polynomial** [Sud22]. **-positive** [Le22].  
**-power** [LL21a]. **-product** [MQW20].  
**-property** [GOUY23, MC21b]. **-rings** [Ham22]. **-Schröder** [YZY24]. **-selfadjoint** [AMO24, GvRR<sup>+</sup>21b]. **-semigroups** [AG15, AG20]. **-semipositive** [HS23b].  
**-series** [Jia24]. **-skeleton** [KLR22].  
**-smooth** [MP20a]. **-spanning** [HJBKR24].  
**-specified** [AK20]. **-spectra** [JMP21b, DP23, Zha21]. **-spectral** [GS21a, KLLW21, WSW20, ZKLS20, BKPS23, DPR20, FW22, GW24b, HLS22, LQ21, OPPS22, ZZ21, ZHW21]. **-spectrally** [BSZ24]. **-spread** [LMG20]. **-stability** [KP21]. **-stable** [Kus23]. **-step** [BDV21].  
**-sun** [AdST22]. **-symmetries** [AP20].  
**-tensors** [BC24b]. **-term** [FdCP20]. **-th** [AS24a, CW23a, CW23b, GZZ21, GvRR<sup>+</sup>21b, dSP20a]. **-trees** [BEF20, OdFVM21]. **-Uniform** [MV24, SSP22, SWW22, WSW20, Zhe20, Zhe21].  
**-unitary** [GvRR21a].  
**1}** [AdLN23, Ano22-57, Ano22-69, Ano22-65, Ano22-59, Ano22-52, Ano22-58, Ano22-63, Ano22-60, Ano23-52, Ano23-53, Ano23-61, Ano23-63, Ano23-51, Ano23-54, Ano23-49, Ano23-65, Ano23-68, Ano23-69, Ano23-58, Ano24-49, Ano24-66, Ano24-58, Ano24-64, Ano24-65, Ano24-55, Ano24-62, Ano24-51, Ano24-59, Ano24-52, Ano24-67, Ano24-70]. **1-350** [Ano23-72]. **15** [Ano22-62, Ano22-49, Ano22-66, Ano22-61, Ano22-64, Ano22-53, Ano22-72, Ano22-70, Ano22-71, Ano23-57, Ano23-50, Ano23-62, Ano23-71, Ano23-60, Ano23-56, Ano23-55, Ano23-59, Ano23-66, Ano23-64, Ano23-67, Ano24-54, Ano24-69, Ano24-60, Ano24-53, Ano24-56, Ano24-57, Ano24-63, Ano24-50, Ano24-68].  
**2-Cayley** [WFY24]. **2-Steiner** [AS22].  
**2022** [Ano22-62, Ano22-57, Ano22-49, Ano22-69, Ano22-66, Ano22-65, Ano22-61, Ano22-59, Ano22-64, Ano22-52, Ano22-53,



Ano22-58, Ano22-72, Ano22-63, Ano22-70, Ano22-60, Ano22-71, GQdSPŠ24]. **2023** [Ano23-52, Ano23-57, Ano23-53, Ano23-50, Ano23-61, Ano23-62, Ano23-63, Ano23-71, Ano23-60, Ano23-51, Ano23-56, Ano23-54, Ano23-55, Ano23-49, Ano23-59, Ano23-65, Ano23-66, Ano23-68, Ano23-64, Ano23-69, Ano23-58, Ano23-67]. **2024** [Ano24-49, Ano24-66, Ano24-54, Ano24-58, Ano24-69, Ano24-64, Ano24-60, Ano24-65, Ano24-53, Ano24-55, Ano24-56, Ano24-62, Ano24-51, Ano24-57, Ano24-59, Ano24-63, Ano24-52, Ano24-50, Ano24-67, Ano24-68, Ano24-70]. **22nd** [AHKT21]. **24th** [GQdSPŠ24].

**436** [CdGS20]. **479** [BKSP23]. **486** [AG20].

**520** [FJS21]. **532** [Hou20]. **553** [AAH<sup>+</sup>22]. **561** [PW20]. **577** [Ali20]. **582** [KAPS20]. **585** [AD20a]. **586** [JLM20a]. **594** [Slo21a]. **595** [MH21].

**610** [FHMP22]. **611** [SD21a]. **630** [BP23b]. **646** [BDHS23b]. **695** [AAPC<sup>+</sup>24b].

**ABC** [LW20b, YD21, GLHNW20]. **Abel** [CN21a, CN22, CN23b]. **abelian** [BF24a, BL23, CW22, CK23a, KB22, MDH23, BFLT23, CL21]. **absolute** [StW22]. **absorbing** [CR21]. **abstract** [AFS<sup>+</sup>23, BDN24]. **accelerated** [OPA23]. **Accelerating** [BHD<sup>+</sup>21]. **Acceleration** [TNL24]. **Acceptability** [Pan23]. **Accuracy** [GNR20]. **Accurate** [MPR22, MPR24, MMV22, OP21, Yan21]. **achieve** [Sha22]. **acting** [BMR23, KS24a]. **action** [Sta24]. **actions** [CXZ22, Gor24]. **acyclic** [DdF23]. **Adaptive** [AAPC<sup>+</sup>24a, AAPC<sup>+</sup>24b]. **Addendum** [AAH<sup>+</sup>22]. **addition** [Arl20]. **additive** [GS20b, LP21, XX20]. **additivity** [Rup24]. **ADI** [Rob20]. **Adjacency** [CDVPT22, CL24, CLL24, Co20, HS23a, LL24a, AdL21, BGGA22, BS23a, CGP22, Du23, LW21b,

LY24, Sri24, WZFW23, XW21]. **adjoint** [DH21, GLT21, PPŽ21, Pan22, PPŽ23, SZ20]. **adjointable** [AG15, AG20]. **adjointness** [AC21]. **adjugate** [CZ22b, RMG24]. **Admissibility** [NS22]. **admitting** [BL23]. **Affine** [BS20f, Rub22, BFO23, DN24, Hom20, LIW20, TCB24, Yan22]. **affine-plane** [Hom20]. **after** [Bar20, JST21]. **Albrecht** [BERS24, Roc24]. **Algebra** [AAH<sup>+</sup>22, AAPC<sup>+</sup>24b, AD20a, Ali20, AG20, BP23b, BDHS23b, BKSP23, CdGS20, FJS21, FHMP22, Hou20, JLM20a, KAPS20, Mar24b, MH21, PW20, Slo21a, SD21a, AOCM20, BK22, BE20, CW23a, CW23b, CCS22, CFR23, CDR23, CdSV22, DRG24, FM20a, FG22, FP22, FT23, GMM24, GFD21, dAGK21, Jia24, Jon21, KS24b, KZPH22, LIW20, LP22, MPS22, Mor22, Mur22, PGST23, Sch24, SIW22, Vit21, WFSS20, Yas23, AHKT21, Mar24b]. **Algebraic** [AM21, HS23b, Tar20, AM23b, BEHK22, BF24b, Bri22, CZGS24, CF24, Das22, KS22a, KW20, MS24b, BCP22]. **algebraically** [BHBO21]. **algebras** [ABCO22, AM21, AEGV21, Alt22, AOCM20, ABC<sup>+</sup>22, BS20b, BB22, BFLT23, BF24a, BDV24, BO24, BRL23, BCS24, Bez22, BDHS22, BDHS23b, BR24, Bla20, BDvW24, BS23a, BE20, BDV21, CGG<sup>+</sup>21, CMM20, CWW24, CN20a, CLW22, CdGS12, CdGS20, CZ20a, CMR20, CDG22b, Cos20b, CIMV24, Cra21, CMR21, CAEH<sup>+</sup>22, DdR20, DP21, DGdSS23, DBF24, DHR20, DM24, EE23, Eld22, EGL21, EFY24, FK23, FPS22, FGDY20, FKM22, FN23, GLNW24, GK22a, GT23, GKS21, GS20a, Gow20, GMP22, Ham22, HB24, HKS23, JLL20b, KK23a, KK23b, KY21, Kol21, KLL22, Kye23, LM22a, LNN<sup>+</sup>20, LS20b, MT21a, Mar21, Mig21, MRT20, MDH23, MS24b, Rai23, Sas21, Sos23, SZ22b, TCB24, Uru22, Vol23, WZL21, WZ23b, XY20a, XZ21, Yan22, ZG21, dGL24b, dMdSS23]. **algorithm** [Bär21a, BC22, BT20a, BHD<sup>+</sup>21,



CT24, CLLK21, CZ20b, FM22a, KPP21, NPkT21, YOV21]. **Algorithmic** [CT20, VV22]. **Algorithms** [Boj21, BF24b, CLRT22, HNS21, fLLV20, LY20, Sch23, Sha24, SZ21, SZ22a, VD22]. **ALIF** [BC22]. **allow** [BFF<sup>+</sup>23b, BFF<sup>+</sup>23a, Das22]. **allowed** [BBC<sup>+</sup>22b]. **Almost** [BDV21, DFL24, AK23, BF24a, CDdM22, CD23a, CD24, CK21, DYLL23, FMR20, Roc20, Slo21b]. **almost-principal** [FMR20]. **almost-Riordan** [AK23, Slo21b]. **Alpha** [Min22]. **Alternating** [OJQ20, OQ22, EN22, KKS21, RZ24]. **alternative** [GvRR21a]. **Aluthge** [GOUY23, Yam21]. **amalgamated** [KW24]. **amenable** [CN20a]. **among** [DJ23, LW21b]. **amplitudes** [JS22]. **analog** [Jia24]. **analogues** [BCD<sup>+</sup>24]. **analogue** [MMV22, Ner20]. **analysis** [AFSS20, AK20, AKVS23, AV23, AC24, BEFSC22, BDFF23, CW21, FKM20, GO24, GM20, GFW24, HH23a, LS24d, LHZ21, MMV21, Mis20, RRvW24, SDTR23, Szc21, WvdVvdH24]. **Analytic** [BM24, AV23]. **Analyticity** [LL21b]. **Anderson** [BKPS23]. **Ando** [ACM20, BMS20, Gye23, LS20a, PV21a]. **angle** [DO22]. **angled** [FKK21a]. **angles** [BKRS20, BMPS23, ŠH21a]. **annihilated** [LTWW23]. **annihilating** [FG22]. **anomaly** [Dax23]. **ANOVA** [PS24b]. **answer** [Roc24]. **Anti** [FP22, AFSS20, BW22, FN23, TT21]. **anti-commutative** [FN23]. **anti-diagonal** [BW22]. **anti-dual** [TT21]. **Anti-isomorphisms** [FP22]. **anti-regular** [AFSS20]. **Anticodes** [BGLR22]. **Anticommutative** [Vol23]. **antilinear** [RT21, SZ20]. **antinorm** [GZ20b]. **any** [FJ24]. **Anzahl** [DV24]. **Apéry** [MRT20]. **Appl** [AAH<sup>+</sup>22, AAPC<sup>+</sup>24b, AD20a, Ali20, AG20, BP23b, BDHS23b, BKSP23, CdGS20, FJS21, FHMP22, Hou20, JLM20a, KAPS20, MH21, PW20, Slo21a, SD21a]. **application** [AFK<sup>+</sup>23, ACM22, AP23, Bou24, CKOS23,

DMQD20, Fio20, MKOC24, Miy24, PŠ23a, PS22, Pra20, RSS21, SMP24, ZS22a]. **Applications** [CC22b, Kak20, KK20a, SZ22a, AZ24, AWvW24, AAMR20, Aou24, AMS24, CST21, CCL21, Djo21, DL22, EGJP21, FISW21, GSS24a, GCOP24, Hla24, HCZ20, HLYZ23, HVX23, KZ24b, KS23c, KP21, LHFL20, MMV21, MP22, MHM24, MG21, NN24b, SWW22, SS24b, Wój22a, WM24]. **Applying** [LNN<sup>+</sup>20]. **Apportionable** [CCGH24]. **approach** [AKVS23, AC22, Djo21, DFH<sup>+</sup>20, FGM21, GdM23, HT22, IB22, LY24, LT24, LHK20, Lin23, SK21a, SKS22, Ste21a, VS23, WZFW23]. **approaches** [Ghi20]. **Approximate** [AKN23, Wój22a, GNR20, HLW23, ORŠ23, dAdCG<sup>+</sup>21]. **Approximating** [AGKS23, Bar21b]. **Approximation** [FKMM21, RKBA21, ZRQK22, AAPC<sup>+</sup>24a, AAPC<sup>+</sup>24b, Bot21, CEF<sup>+</sup>22, CER<sup>+</sup>23, CKM20, FGM21, FW24, KKM22a, KPP21, KST22, MSZ23, PS24b, Rao21, Rod21, SK21a, Wój22b]. **approximations** [Chi24, CHHS20, DMQD20, GZ20b, LV22b, dHH23]. **April** [Ano20-63, Ano20-65, Ano21-53, Ano22-55, Ano22-62, Ano23-52, Ano23-57, Ano24-49, Ano24-61]. **arbitrary** [ABH<sup>+</sup>23, ADHM23, BDRS20, CGP22, DD20, FISW21, MMR20, WWJ20, WFGT20, ZHSX20]. **arboricity** [HXL21]. **arcs** [JKŠ24, KK20b]. **argument** [MB20]. **arise** [CGP21]. **arising** [BBS23, CER<sup>+</sup>23, KMZ20, MMZ20, Oli21]. **arithmetic** [BLS20, ES23]. **arithmetical** [DLL23, VV22]. **Arithmeticality** [BSS23]. **arrangements** [Win21]. **array** [AS24a, He20, YY23, ZZJ23]. **arrays** [AK23, KNiO23, MMW22, Pet21, Slo20, Slo21a, Slo21b, SS23c, YY21]. **arrowhead** [CRSY22]. **Artin** [FKK21a]. **Artinian** [Alt22]. **ascent** [HP23b]. **Askey** [SS20]. **aspects** [Got20, VV22]. **assignment** [ZK21]. **assignments** [NMS20]. **associated** [AG15, AG20, BR22, BLS20, CEJM24, CCKM22,



CA22, Chr24b, DZCY22, DM24, GLZ20, HCZ20, HP22, KL21a, KS22c, LW21a, MRT20, PPŽ21, RW21a, Sri24, Sta23b]. **association** [BMS21, LTTW22, XTLK23]. **associative** [Bri22, DG24]. **Asymptotic** [LLW21, MPS22, PS24a, BCR<sup>+</sup>23, BG24, Du23, LLW20, RRvW24]. **asymptotically** [RT23, Roc20]. **asymptotics** [LS24b]. **asynchronous** [SDTR23]. **atomic** [CJ24]. **attaining** [BDSS21]. **attainment** [PSZ21]. **Audenaert** [DF20b]. **August** [Ano20-50, Ano20-52, Ano21-61, Ano22-57, Ano22-49, Ano23-53, Ano23-50, Ano24-66, Ano24-54]. **automata** [Phu24]. **Automatic** [PSW23, SSC24]. **automorphic** [BKT23]. **automorphism** [Oli21, SZ22b]. **Automorphisms** [AM23a, Bez22, CGMP23, PPŽ23, DGET21, FN23, MDH23]. **autoregression** [FKMM21]. **autoregressive** [GZ20a]. **averaging** [MA24]. **Avoiding** [BMPS23, BC24a, OPA23].

**B** [BGOO21]. **B-splines** [BGOO21]. **back** [MZZ24]. **background** [BCP22]. **backtracking** [GK21, KKS21, MZZ24, NQ24]. **Backward** [Pra20, Hal20, Pik23, TV21, WW20]. **balanced** [BW21, DFS23, DK21, GT23]. **ball** [AC24, MAG21, Wój22b]. **balls** [FKKM22]. **Banach** [AEGV21, AHV20, BS21a, Ban22, BDI20, Djo21, FPR20, GGGD23, IKLP20, MP20a, Sas21, Sch24]. **Band** [GGGD23, CCCS21, EGV20]. **Band-diagonal** [GGGD23]. **banded** [BF24c, OW23]. **Bartholdi** [Zhu21]. **barycentric** [MBV24]. **based** [Bla20, BDFF23, CL21, FQ20, GSS24a, GFW24, GMR22, JK24, KCML20, LLW20, LLW21, LW21b, LY24, MQW20, NPkT21, NPHT20, QJMW23, SGGZ21, WXL24, XJLL23]. **bases** [AMO24, ADMZ21, BC24b, FW24, HJBKR24, NWW20, NV23a]. **basic** [VS21]. **basis** [GZ23, LT24, MMV22, PS24b, TL21, Yos21]. **Baxter** [MDH23]. **Bayes'** [PR22a]. **Bayesian** [DTA23]. **behavior** [GP20]. **Bell** [GZ20c, Li20a]. **below** [GK20]. **Berezin** [CF22]. **Berge** [KLLW21, ZKLS20]. **Bergman** [GHLP24]. **Bernoulli** [Kim20]. **Bernstein** [MMV21, MMV22]. **Berry** [DP24]. **Bessel** [MPR22]. **Best** [Bot21, Rao21, Wój22b]. **Bethe** [FB21, YW22]. **Better** [OM20]. **Between** [PPW20, Ago24, BCE21, CMS21, CLL24, CAEH<sup>+</sup>22, FPR20, GKS21, GMR22, IOT21, KS22c, Kye23, LL24a, MP20a, MMR24, Min22, Mon23, Sán21, Sta23b, WFL20, WWY23, ZXZW23]. **betweenness** [DF20b, DF22]. **Beurling** [ACSS22]. **beyond** [RS21b, XZ23]. **Bhatia** [Roy24]. **Bhattacharya** [CLwW22, GF20]. **Bhattacharya-Mesner** [GF20]. **Bi** [CR23]. **Bi-isometries** [CR23]. **bicyclic** [DGS<sup>+</sup>21a, SWW21, YD21]. **bidegreed** [SSS21]. **biderivation** [BO24]. **biderivation-type** [BO24]. **bidiagonal** [BFMM23, MPR24, MMV21, TŽ23]. **bidisk** [DKS24]. **bifurcation** [FHLS22]. **bifurcations** [Fik20]. **Bilinear** [SDS21, Bui21, Chr24b, FR24, KLLS22, Ros22, RSS21]. **binary** [BT20a, HP23a, May21, Sha22, SZH22, WJLW24]. **Binomial** [BCR20, Bay24]. **bipartite** [AD20a, AD20b, ADH<sup>+</sup>24, BJP21, BMP24, BS23b, CWYZ23, CP21, Du23, GLZ21, JMP21a, Kub22, LG21a, LMX23, OJQ20, Sim21, SZ21]. **biregular** [FM20a, HP22]. **Biregularity** [RS21b]. **Birkhoff** [AGK<sup>+</sup>21, Shi22]. **Bispectrality** [MZ24]. **Bivariate** [CCCS21, BCP24]. **Blanchfield** [BCP22]. **Blind** [GZ20a, KKM22b]. **Block** [CLRT22, HMPT20, AT24, BS20d, BJ23, CW21, CZ20b, CDG21, CDG22a, Dew21, DdR20, DBF24, FGDY20, FLT20, FG20, GO24, HP23a, JGW24, KH24, LOŠ21a, LG21b, PŠ23a, RA24, RS21a, RKBA21, Sha24, SZSMB20, VD22, XLS20, YOV21,



ZL23a, ZL23b, dAdCG<sup>+</sup>21, KK23a].  
**block-diagonal** [BS20d]. **block-Jacobi** [YOV21]. **Block-sparse** [HMPT20].  
**block-triangular** [DBF24, FGDY20].  
**Blocked** [BHW24]. **blocks** [BĐK<sup>+</sup>24, BL24, CDG22a, DGS<sup>+</sup>21a, EGC21, KS20a, Sta20a].  
**blow** [LZ21b, XHW23]. **blow-up** [LZ21b, XHW23]. **Board** [Ano20a, Ano20b, Ano20-27, Ano20-28, Ano20-29, Ano20-30, Ano20-31, Ano20-32, Ano20-33, Ano20-34, Ano20-35, Ano20-36, Ano20-37, Ano20-38, Ano20-39, Ano20-40, Ano20-41, Ano20-42, Ano20-43, Ano20-44, Ano20-45, Ano20-46, Ano20-47, Ano20-48, Ano20c, Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano20m, Ano20n, Ano20o, Ano20p, Ano20q, Ano20r, Ano20s, Ano20t, Ano20u, Ano20v, Ano20w, Ano20x, Ano20y, Ano20z, Ano21a, Ano21b, Ano21-27, Ano21-28, Ano21-29, Ano21-30, Ano21-31, Ano21-32, Ano21-33, Ano21-34, Ano21-35, Ano21-36, Ano21-37, Ano21-38, Ano21-39, Ano21-40, Ano21-41, Ano21-42, Ano21-43, Ano21-44, Ano21-45, Ano21-46, Ano21-47, Ano21-48, Ano21c, Ano21d, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano21n, Ano21o, Ano21p].  
**Board** [Ano21q, Ano21r, Ano21s, Ano21t, Ano21u, Ano21v, Ano21w, Ano21x, Ano21y, Ano21z, Ano22a, Ano22b, Ano22-27, Ano22-28, Ano22-29, Ano22-30, Ano22-31, Ano22-32, Ano22-33, Ano22-34, Ano22-35, Ano22-36, Ano22-37, Ano22-38, Ano22-39, Ano22-40, Ano22-41, Ano22-42, Ano22-43, Ano22-44, Ano22-45, Ano22-46, Ano22-47, Ano22-48, Ano22c, Ano22d, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano22n, Ano22o, Ano22p, Ano22q, Ano22r, Ano22s, Ano22t, Ano22u, Ano22v, Ano22w, Ano22x, Ano22y, Ano22z, Ano23a, Ano23b, Ano23-27, Ano23-28, Ano23-29, Ano23-30, Ano23-31, Ano23-32, Ano23-33, Ano23-34, Ano23-35, Ano23-36, Ano23-37, Ano23-38, Ano23-39, Ano23-40, Ano23-41, Ano23-42, Ano23-43, Ano23-44, Ano23-45, Ano23-46, Ano23-47, Ano23-48, Ano23c, Ano23d, Ano23e, Ano23f]. **Board** [Ano23g, Ano23h, Ano23i, Ano23j, Ano23k, Ano23l, Ano23m, Ano23n, Ano23o, Ano23p, Ano23q, Ano23r, Ano23s, Ano23t, Ano23u, Ano23v, Ano23w, Ano23x, Ano23y, Ano23z, Ano24a, Ano24b, Ano24-27, Ano24-28, Ano24-29, Ano24-30, Ano24-31, Ano24-32, Ano24-33, Ano24-34, Ano24-35, Ano24-36, Ano24-37, Ano24-38, Ano24-39, Ano24-40, Ano24-41, Ano24-42, Ano24-43, Ano24-44, Ano24-45, Ano24-46, Ano24-47, Ano24-48, Ano24c, Ano24d, Ano24e, Ano24f, Ano24g, Ano24h, Ano24i, Ano24j, Ano24k, Ano24l, Ano24m, Ano24n, Ano24o, Ano24p, Ano24q, Ano24r, Ano24s, Ano24t, Ano24u, Ano24v, Ano24w, Ano24x, Ano24y, Ano24z].  
**Bogomolov** [Rai23]. **Bohemians** [CCGV<sup>+</sup>20]. **book** [TTV23]. **Boolean** [CKKR23, CKKR24, KCML20]. **Bordered** [Kli20a, CESS21]. **Bordering** [AFK<sup>+</sup>23].  
**Borders** [AHKT21]. **Bose** [Mar21].  
**Böttcher** [BERS24, CKOS23, MKOC24, Roc24].  
**bound** [AAFM23, AL23a, BT20b, FLRS20, Fio20, Hae21, LZZ23, LHZ21, MLH22, MT23, WG20a]. **boundary** [CEM21, KŠ22b]. **Bounded** [BDRS20, DS24, AGV20, BS20d, DDD24, GK20, Lyu20, MS21, Nag23, RT23, WHM23].  
**Boundedness** [SS23a, RAK21]. **Bounding** [CKOS22, ES23, GLS22, KL21b, ZS22a].  
**Bounds** [CG24, DW21, GLHNW20, KKP21, LW21c, PP20, SK21b, WWT20, AOA23, ASS21, AGH20, AGNPSE23, BHHP21, BR22, BKPS23, Bhu24, CKTP20, CAJ21, CI21, DYB20, DK21, FQ20, FS23, Gan23, GMR21, GW24b, IGW17, JZZ24, KL23, KCPMNS21, Kni24, Kus23, MT21b, MP21, Obo24b, OM20, Ran23, Rum22, SZ23a, Skr20, Skr21, Skr24, Sta20a, VCR21, WG20b, ZZ21, dHH23, CN24, GZ20b].  
**Braess'** [Cia20a]. **braided** [Sol20]. **Branges**



[GHLP24]. **Brazil** [AHKT21]. **breaking** [AKL<sup>+</sup>21, BH24, DSS24]. **Bregman** [TNL24]. **bridge** [BCE21]. **bridges** [CGJvB22]. **Brouwer** [Coo21, GPRT20, Roc20, TT24]. **Brualdi** [YLCB21]. **Brualdi-type** [YLCB21]. **Bruhat** [FdCS20]. **Brunn** [LF20, ZJCA20]. **bundles** [DD23b]. **Bures** [DLVV21, Min22]. **burnt** [BB24]. **Buzano** [KZ24b].

**caching** [FT23]. **Cadzow** [KPP21]. **cages** [HP22]. **Calabi** [GLNW24]. **calculation** [Kar24]. **calculus** [LMR21, NS21]. **Calderón** [GR22]. **can** [HMS21, RW24]. **canonical** [AMO24, GvRR21a, Li24, Sta21, SZ20]. **card** [SB24]. **cardinality** [AGNPSE23, SS21b]. **Cartan** [CKL24, FKM20, Sim20]. **Cartesian** [TT24]. **case** [AS20a, CV21, GS21a, LTYZ23, Mañ22, Zem22]. **cases** [dSP22, dSP23b]. **Catalan** [Pet21]. **categories** [Ago24]. **Cauchy** [Ner20, Yan21]. **Cayley** [AY23, ASG22, AS23, BL22, BL23, CW22, CK23a, Ces20, DF20a, ET20, Hua22, KB22, Kad23, LW21a, MT23, MST24b, Mur22, PV21b, SSvW20, VMT24, WFY24]. **cellular** [Phu24]. **Cellularity** [XY20a]. **center** [CDM20, Cia20b, PV21a]. **Centers** [HLYZ23]. **Central** [CNO23, GFD21]. **centrality** [BD21a]. **centralizer** [BDK<sup>+</sup>24, MMR20, XZ21]. **centralizers** [AM23b]. **Centrosymmetric** [BCP24, CCK21a, XY20a]. **Certain** [DY23a, AG21, BDNO20, BS20f, BMPS23, Cra21, CMR21, DO22, EMŠV22, GLZ20, GL20a, JMP21b, KW24, LW21a, Shi21c, TW21]. **CG** [CLS24]. **chain** [BHKW22, CM23b, Nis24]. **Chains** [CGG<sup>+</sup>21, AHV20, CCPKP20, CK23b, CR21, DS20, HX24, LL20, VS20]. **Change** [JST21, AS24b, GZ23, SD21a, SD21d, TLC20]. **change-of-basis** [GZ23]. **changes** [KK22b]. **channels**

[AKL<sup>+</sup>21, GL21, LCH23]. **Characterisation** [Ram23]. **Characteristic** [JL22, Kad20, ABH<sup>+</sup>24, ABSV21, CB21, Cia20b, DGL24a, DvDW23, GM22, HY24, HHS20b, JR24, Kor21, KLLS22, LS20b, Pan23, YLZH21, Zhe21]. **characteristic-like** [GM22]. **characteristics** [AKPS19, BN23, GtHJR24, KAPS20]. **Characterization** [AG21, BSZ24, MP20a, NYW22, TWW20, AMR20, AdST22, AK23, BP21b, BP23b, DMS20, DN24, DY23b, DdF23, FGGG24, MA22, MM21, MM24, NWW20, SC20a, SSS21, TW21, Lew21]. **Characterizations** [CMM20, Ime23, AAH<sup>+</sup>22, MC21b, ME21, NPHT20, QJMW23, QQM24, ZBCI21]. **Characterizing** [AHZ22, KSSW20, Tan23, VTBC20]. **Charlier** [XJLL23]. **Chebyshev** [MSZ23, WCS20]. **Chebyshev-like** [WCS20]. **checkerboards** [EJS24]. **Cheeger** [KMP23]. **Chief** [Ano21-49, Bru21, Bru22, Bru24]. **chiral** [FP23]. **Cholesky** [Kim20]. **Chordal** [KMNP24, AJM21, AJM24]. **Chromatic** [CK23a, Ere21, Gan23, PK21, WYF<sup>+</sup>20, WYQ21]. **Chung** [YZY24]. **circle** [Adr22, BBCD21, FKRvS24, FG20, FG23b, GtHJR24, SPMSC24]. **Circulant** [DN21, AAMR20, ACOM21, CEJM21, Che21, DS22, HP23a, LS23, ĐMM<sup>+</sup>22]. **Circular** [Lee22, TŽ23, GW20, PW21]. **circularity** [vdMvSW24]. **CKV** [CCL21]. **CKV-type** [CCL21]. **Clarkson** [BL20]. **class** [AR21, BCR<sup>+</sup>23, BSC23, CHT20, CESS21, EGV20, Fio20, Guo22, GLT23, Hu21, KS23a, KW20, Loe21, PS23b, SL20a, SL21]. **Classes** [BP21a, ACD22, BC24b, GLZ20, GK22b, KZPH22, ME21, MST24b, OV24, OP21, PPŽ21, Pan22, PPŽ23, WZ23b, ZM21]. **classical** [CGP21, JK24, KW20, Pan23, Pet21].



## Classification

[AADT23, BKS<sup>+</sup>21, DGL23b, FN23, SS23b, ABCO22, DGdSS23, HX24, Sim21]. **classify** [LNN<sup>+</sup>20]. **Classifying** [BDN24, IdSSV21]. **clean** [Šte22b]. **Cleaning** [KS22a]. **clique** [DLL23, DW21, HLX20, HXLL21, JGZ21, WHM23, ZvD21]. **cliques** [DKL<sup>+</sup>22, MLZ24]. **close** [MS21]. **Closed** [BKLT23, AT24, BHBO21, De 20, SL21]. **Closed-range** [BKLT23]. **closest** [Kov21]. **Cluster** [EGL21]. **clustered** [BDGY21, KN20]. **clustering** [AEG21, BG24, SPMSC24]. **Clusters** [CK23b]. **CM** [EL20]. **CMV** [FG20, GP20]. **Co** [VJ24, AV23, BPS23, ZBCI21]. **Co-eigenvector** [VJ24]. **co-EP** [ZBCI21]. **co-extensions** [BPS23]. **co-isometric** [AV23]. **coacting** [GMM24]. **coalgebras** [FMS21, KUZ22, Pan21]. **cocharacters** [CdSV22, Iop20]. **coclique** [SD21c]. **code** [KCML20]. **coded** [FT23]. **Codes** [BCR20, AGNPSE23, BZZ22, CM23b, CL21, CXZ22, GL20a, GLT23, LLSV21, MMZ20, NPkT21, NPR22, NPSE24, NPHT20, Ner20, Oli21, ZT23]. **Codeterminantal** [AAHV22]. **codimension** [Alt22, MRT20]. **codimensions** [Riz23]. **coding** [KS22a]. **coefficient** [GZZ21, GQZ20, LL21b]. **coefficients** [Bay24, Bou24, Du23, GP21, Kar24, MMA22, PP20, RS21a, VS23]. **cograph** [LL21e]. **cographs** [BR23a, LWB24]. **Cohen** [FG22]. **coherence** [MB20]. **coherent** [Sud22]. **cohomology** [EFY24, FKK21a]. **coin** [SMA20]. **coincide** [tHvdM21]. **cokernel** [CLS23]. **colength** [CIMV24]. **Colin** [MS20b]. **Collatz** [KL21a, Pap24]. **collection** [MAG21]. **collocation** [MMV22]. **Coloring** [AMZ21, KKOO22]. **Colorings** [O.22]. **colourings** [OJQ20]. **Column** [Shi21b, RC23]. **columns** [FJ24]. **Combinatorial** [AD24, AS23, Kub23, LS21, CST21, Got20]. **Combinatorics** [DS20, Gol20]. **common**

[LHK20]. **communicability** [HD22]. **commutant** [BPS23]. **Commutative** [BE20, FN23, Got20, Mig21, PR22a, SS22, Szc21]. **Commutativity** [Pan22, ORŠ23]. **Commutator** [CAJ21, CJ20, CKOS22]. **commutators** [BDHS22, BDHS23b, BR23b, VZ20, ZS22a]. **Commuting** [CMT21, BCG24, BPS23, BFPS21, BKS15, BKSP23, Chi24, Fek20, Koi24, LP21, SS20, Xie21]. **Comon** [ZHSX20]. **compact** [JLM20a, JLM20b, Pan22, Rao21, hB21]. **compactly** [AKPS19, KAPS20]. **Comparative** [ŠH21a]. **Comparing** [CTS23, RZ24]. **Comparison** [GW24b, FP24]. **Compatible** [BKS15, BKSP23, Gor24, GFW24]. **compensation** [MM21, MM24]. **competition** [CKKR23, CKKR24]. **complement** [BDKM24, CFM<sup>+</sup>24, Dev22, MH20, MH21, TT21]. **complementable** [ACM20]. **Complementarity** [BCFT21, CD23a, DY23b, FQ20, MG21, MC21b, SS21b, SNK22, XX20]. **Complementary** [EGK<sup>+</sup>24, VD22]. **complements** [ARS24, CMM22, LQL21, MK23, QLCM20]. **Complete** [AC21, DHS<sup>+</sup>24, FHMP21, FHMP22, BGOO21, CCPKP20, Coo20, FIJM24, IMT20, SC20a, Shi21b, SSS21, SD21a, SD21d, TLC20, Zhe20, Zhe21, tHvdM21]. **Completely** [BLS20, JS22, AKN23, BHMU20, BKT23, FOR22, GD20, LHFL20, Nis24, SM23, ZFZ20]. **completion** [BT20a, BBS20, CJ24, DAG21, Kim22, SL20a, TL21]. **completions** [CP21, EGC21]. **Complex** [BFLT23, CFK<sup>+</sup>20, HT24a, LWH21, XZWT20, ACLS20, CDM21, CG24, ES20, EJL20, FIJM24, Fik20, FP21, Har22, HHD20, HW21a, Kni20, KH24, KP23b, LZZ23, LW21c, MRZ22, MvWC23, dSP20a, SK21b, SPMSC24, WCKQ20]. **complex-valued** [MvWC23]. **complexes**



[HKK24, KMZ20]. **Complexifications** [IKLP20]. **complexity** [TTV23]. **component** [FKMM21]. **components** [Van24a, Yaz21]. **composition** [AOCM20, SS23a, SS24b]. **Compositions** [Kye23]. **compound** [FKMM21]. **compressing** [Cos22]. **compression** [Cra21, CMR21]. **comprised** [FS20]. **Computation** [SK21a, Bol21, CHHS20, DK21, Koi24, MC21a, NV23b, OSC20, SSC24, Var21, Zhe20]. **computational** [Bai24, Men22, Sim20]. **computations** [MPR22, MMV22, Mar21, Yan21]. **computed** [CKTP20]. **computing** [AHZ22, KK20a, NV23a]. **Concavity** [CZ22a, Shi20a, BW24, BO23, Nie24]. **Concentration** [HW20]. **concentric** [PW21]. **concept** [KP21, SG20]. **concerning** [CJ20, FdCS20, GAM20, Gye23, Iop20, Miy24, QJW20, Row20]. **condition** [AJNS24, BCR<sup>+</sup>23, BS20e, CV21, DBV23, Gal21, GLZ21, fLLV20, LG21a, LS24b, Pra20, Sch23, Van24b]. **Conditional** [BCE21, EM23]. **Conditionally** [JJLS23]. **conditions** [BP21b, BP23b, HMPT20, HWD23, Kub23, LBW23, Pri22, Tsa23, WZC23, ZWL20b, ZWL20a, ZBWL20, ZL23c]. **cone** [CIM22, GH23, GNR20, HA24, LV22b, MC21b]. **cones** [GKS21, HS23b, MS24b, Nis24, ST20]. **Conference** [GQdSPŠ24, FIJM24, AHKT21]. **configuration** [cRLY20]. **configurations** [CDG22b, Sud22]. **conformal** [BF24a]. **Congruence** [BFMS21, HWK21, Cha24]. **congruences** [DY23a]. **conic** [LPV21]. **conjecture** [ABH<sup>+</sup>24, BD21a, BCM21, Buc20, CLL20, CJ20, CLwW22, Co021, EN24, FdCS20, GPRT20, GdM23, Gau24, HLH23, HD22, KL21a, Loe23, LZ21b, OV24, PPW20, Pap24, Roc20, SD20, SL20b, SD21a, SD21d, Tur21, WZ23a, XZ23, YW22, ZL23b, ZHSX20, TT24]. **Conjectured** [DID22, ELW24, GAMA20]. **Conjectures** [BC22, KK22a, BEHK22, GLLZ20, KK20b, SD21c]. **conjugacy** [PPŽ21, Pan22, PPŽ23]. **Conjugate** [EL20, CF24, ES20]. **Connected** [LTYZ23, AHLvdH21, CCPKP20, CLL20, CLT22, HLS21b, Kha24, dSP20a, SS21b, WFGT20, WG20a, WZW<sup>+</sup>21, WLT22, ZG22, ZWL20b, ZWL20a, ZBWL20, ZWT21]. **connection** [VS23]. **Connectivity** [CDS21, HLX20, BEHK22, CZGS24, DPR20, HS22, HWD23, WYF<sup>+</sup>20]. **conquer** [BT20a, XBSF23]. **Consistent** [Ais24, LG21b, SDTR23]. **consisting** [SZ20]. **constant** [AMM24, BDKM24, JKS23, LL20, LLSV21, Rub22]. **constants** [CN24, Mo22, RT23]. **constrained** [fLLV20, LR24]. **constraint** [ZMP23]. **Constraints** [CFKO21, Co021, BES21, PS22, SDS21]. **Constructing** [HLS24, Kin21, LL21d, HJBKR24, XBSF23]. **Construction** [APNP<sup>+</sup>21, CL21, AO22, CT20, ET20, cRLY20, PM23, QJW20, VS21]. **Constructions** [BC24b, CXZ22, AM21, BRL23, ZT23]. **contain** [Vit21]. **containing** [AS20a]. **contexts** [BT24]. **contingency** [PP20]. **Continuity** [CG20, RW21a, Car21]. **continuous** [Zha22]. **continuous-time** [Zha22]. **contour** [FP21]. **contracting** [LC20]. **contraction** [AWvW24]. **contractions** [LZ21a]. **Contractivity** [RT24, BCE21]. **control** [BPZ21, Dra22, Ost23, WES21, ZK21]. **controllability** [AD20a, AD20b, BPZ21]. **controllable** [DYLL23]. **controls** [PY24]. **Convergence** [CW21, KH24, ABCH23, BWW21, BDFF23, Har22, NQ24, SDTR23, YOV21]. **converters** [GS21c]. **Converting** [DGS21b]. **Convex** [GKS21, MS21, JJJ20a, Sán21, ST22, ST20]. **Convexity** [CF22, EMŠV22, San23]. **Convolutional** [HNS21, NPR22].



**coordinates** [CR23, FM22a, Sar21].  
**Coordination** [FT23]. **COP** [MSTH24].  
**COP-irreducible** [MSTH24]. **copositive** [HA24, LV22b, LHFL20, MSTH24, Nis24].  
**copositivity** [Ans21]. **coprime** [Var21].  
**corank** [EG20, Kop20, SZ21]. **core** [BCG24, BBBT24, WJLW24, Mif21].  
**core-nilpotent** [WJLW24]. **Corner** [BT24].  
**corners** [MRZ20]. **corona** [LLH20].  
**corona-type** [LLH20]. **coronae** [SC20b].  
**Correlation** [BAPF23, GQZ20, Li20a].  
**correspondence** [WvdVvdH24].  
**corresponding** [BLS20, FKKM22, PPŻ23, RS21a, TV21].  
**Corrigendum** [AAPC<sup>+</sup>24b, AD20a, Ali20, AG20, BP23b, BDHS23b, BKSP23, CdGS20, FJS21, FHMP22, Hou20, JLM20a, MH21, PW20, Slo21a, SD21a]. **cosine** [HJBKR24, SS24b]. **Cospectral** [ADHS23, GZ22, KSSW20, LWYL20, QJW20].  
**Cospectrality** [MPRS21, Her20]. **costly** [OPA23]. **countable** [LL20, dSP23a].  
**counter** [Slo20, Slo21a]. **Counterexamples** [CLwW22, CDPR23, FJS17, FJS21].  
**Counting** [DBF24, Rei23]. **coupled** [GP21, ZBdAF20]. **couplings** [OSC20].  
**Covariance** [RRvW24, GZ20a]. **covariant** [LCH23]. **cover** [BK22]. **covered** [WZC23].  
**covering** [AADT23]. **covers** [FIJM24].  
**Cowen** [JKX20]. **Coxeter** [Sim20, Sim21, SZ21, SZ22a, dLPG21]. **CP** [ZBdAF20]. **Cramer** [NWW20]. **criteria** [SIW22]. **criterion** [MMW22]. **Critical** [DLL23, BM22, ZF24]. **Cross** [DGET21, AAPC<sup>+</sup>24a, AAPC<sup>+</sup>24b, CKM20].  
**Crouzeix** [Li20b, OV24, PPW20]. **cubic** [CH21]. **Cuntz** [ACSS22]. **curvature** [ÁVKP20b, Sic21]. **curve** [GQZ20, LPS23, SS23b]. **curves** [BdPS21, Hom20, NYW22, Sán21]. **Cut** [Mis22, Nic20, AdLN23, FYS<sup>+</sup>23, MMP21].  
**cut-and-project** [MMP21]. **cutoff** [RW24].  
**Cvetković** [KKOO22]. **Cvetković-type** [KKOO22]. **cycle** [BAPF23, TCC21, ZWF20]. **cycles** [AAH<sup>+</sup>22, AGNN20, ACDG21, CWZ22, CP21, Des24, FP24, GMSG22, GMSG24, JMP21a, KSY21, LW21a, LY23, LG21a, LWYL20, MLZ24, dSP23a, RDFM23, SMA20, SD21c, Tho22, ZLLZ22]. **Cyclic** [BDvW24, Bol22, CL21, CKLN23, DdR20, Gau24, KW24, Mig21, ZT23]. **cyclicity** [KCPMNS21]. **cyclicly** [KS23a]. **cyclomatic** [WWJ20].  
**D** [SV21]. **DAHA** [Lee20]. **damped** [YGW20]. **data** [ADGK21, APLN<sup>+</sup>23, CLS20, SL20a, XBSF23, YGW20, ZW20].  
**decay** [BR22]. **December** [Ano20-55, Ano20-66, Ano21-62, Ano21-67, Ano22-69, Ano22-66, Ano23-61, Ano23-62, Ano24-69, Ano24-58]. **decoding** [NPkT21].  
**decoherence** [FOR22]. **Decomposable** [PM23]. **Decomposition** [Kor21, ÁVKP20a, AOZ23, BES21, Bhu24, DD20, DGL23b, FRS21, Gal21, GSS24a, JMP21a, Kim20, LY20, MMV21, MPS24a, MQW20, Pre20, SZH22, Ste21b, VCR21, WJLW24, Wój20, WX20].  
**decomposition-based** [GSS24a].  
**Decompositions** [BDHS22, BDHS23b, BR23b, CCP22, DGL23a, DID22, DKN24, DBV23, DHS<sup>+</sup>24, Ham23, HS23a, LDW21, MO20, OPA23, SDS21, ZBdAF20].  
**deconvolution** [GZ20a]. **decrease** [KS23a].  
**defect** [Bou24]. **defective** [FFSW23].  
**deficient** [DB23]. **defined** [KSY21].  
**definite** [Bar21b, BL24, CRR20, CIM22, GT21, Har22, IB22, JJLS23, LWW22, Lim21, Min22, MS24b, Sra21]. **definiteness** [BCE21]. **definition** [BEFSC22, ACM22].  
**deflating** [ADGK21]. **deformations** [FKK<sup>+</sup>21b]. **deformed** [CKOS22].  
**degenerate** [CDdM22, GNP22, Lee20, VMB22].  
**Degradable** [DSS24]. **Degree** [SGGZ21, AIK<sup>+</sup>24, BFF<sup>+</sup>23b, CLL20, CLT22, GM24, GMR22, HHS21, Hom20,



HLYZ21, LLW20, LLW21, LW21b, LY24,  
 LLA23, LW21c, NdLO21, WG20a, WYF<sup>+</sup>20,  
 ZWW23, ZWL20a, dLMO20].  
**Degree-based** [SGGZ21, LW21b, LY24].  
**degree-distance-based** [LLW20, LLW21].  
**degrees** [WWT20]. **Delannoy** [YZY24].  
**delay** [WXL24, XJLL23]. **Deletion**  
 [AWvW24, SD21a, SD21d, TLC20].  
**Deletion-contraction** [AWvW24].  
**Delsarte** [BMS21]. **delta** [FISW21].  
**demystified** [CCCS21]. **Demystifying**  
 [MNP24]. **dendrimers** [DFS23]. **dendrite**  
 [XY20c]. **dense** [AM23a]. **Density**  
 [BHKW22, BMR23]. **dependence**  
 [CZ20a, Lim22b]. **dependent** [BGSC24].  
**depth** [SS21c]. **derivations** [Bez22, BDV21,  
 HKS23, JLM20a, JLM20b, LS20b, Mar24b].  
**derivative** [Sin21, Ze22a]. **derived**  
 [RMG24, Sch23, SX22a]. **descent**  
 [CIM22, LNN<sup>+</sup>20]. **descent**  
 [DAG21, HP23b]. **Description**  
 [FKM24, ORS24]. **descriptor** [DYT22].  
**design** [AKPS19, GCOP24, KAPS20].  
**designs** [BS24a, BMS21, BNS22, Gol20,  
 HW21b, RC23]. **detection** [CT20].  
**determinant** [ABW22, BT20b, Dom20,  
 DGS<sup>+</sup>21a, LS20c, Lin24, RRL<sup>+</sup>24].  
**Determinantal** [Tsa23, BR21, CN22,  
 GAMA20, GAM20, Koz21, Sos23, SW21].  
**Determinants** [Bri22, Guo22, Sha22, Gil20,  
 Kus23, MSX22, OP21, Shi21c, dC21].  
**Determination** [Sta23a, CWBB23].  
**determine** [LWW22]. **determined**  
 [AGNN20, AEGV21, BB22, BCC<sup>+</sup>24,  
 CW23b, QWW21, Zha21]. **determining**  
 [KK22a]. **deterministic**  
 [CMS21, Ghi20, OW23]. **Development**  
 [BP21b, BP23b]. **developments** [GPRT20].  
**Diagonal**  
 [BL24, JMPS24, APNP<sup>+</sup>21, BS20d, Bot21,  
 BW22, CD24, GGGD23, KS23a, KP21,  
 MRZ20, MG21, Mil24, NS21, TJ21].  
**diagonalisable** [CFK<sup>+</sup>20].  
**Diagonalizability** [AdlCPS20].

**Diagonalizable**  
 [HLYZ21, AAF<sup>+</sup>21, CFSiT20, FFSW23].  
**diagonalizably** [AMS21]. **diagonally**  
 [CKM20, JMPS24]. **diameter**  
 [ABH<sup>+</sup>23, FW22, HLS21b, HLS22, IKPR20,  
 JLW22, LBW23, XZ23]. **diameters**  
 [DFL24]. **dichotomy** [BCG24].  
**dichromatic** [YBW24]. **dictionaries**  
 [SC20a]. **dicyclic** [ASG22, BL22]. **differ**  
 [Alf20a]. **difference** [CER<sup>+</sup>23, FISW21,  
 LH21, MH20, MH21, OJQ20]. **difference-1**  
 [OJQ20]. **differences** [BGOO21].  
**differentiability** [Roy24]. **Differential**  
 [Nar23, Riz23, GP21, LMR21, Shi20a].  
**diffusion** [Est20]. **digraph**  
 [BGGA22, CGMP23, GS23a, KKS21].  
**digraphs** [AMR20, ADGKM21, BCE<sup>+</sup>23,  
 BCFT21, BCF<sup>+</sup>20, CHSW22, FPS22,  
 GMR21, GM23, Her20, KKO022, LLWW23,  
 LS24d, Moh20, Mor20, NQ24, O.22, PPK24,  
 TFT20, YBW24]. **dilations** [FFSW23].  
**Dilworth** [LWB24]. **dimension**  
 [JMPS21, JCD24, LLSV21, dSP23a, Szc21,  
 Yos21, ZG21]. **dimensional**  
 [AKPS19, BS21a, Ban22, Bla20, BFPS21,  
 CM23a, CG20, CdGS12, CdGS20, ĆD20,  
 ĆD23b, DGdSS23, DJ22, FN23, GS21a,  
 GMM24, GLT23, Ime23, JL22, KAPS20,  
 KY21, LNN<sup>+</sup>20, Li20a, LM24, O'L23, SZH22,  
 SS23c, ZZJ23]. **Dimensionally** [MKE<sup>+</sup>20].  
**dimensions** [MvWZ24]. **Diminimal**  
 [ABH<sup>+</sup>23]. **Diophantine** [QSS22]. **direct**  
 [AS20a, GNP22, HS23a, KS20a, MvWC23].  
**directed**  
 [BES21, Bol21, FP24, GM20, LL21c, Pik23].  
**directional** [AKPS19, GS21c, KAPS20].  
**Dirichlet** [dC21]. **discontinuity**  
 [CG20, Mis22]. **discontinuous**  
 [FSRVSST22]. **discoordination** [FT23].  
**discrepancy** [ZS22a]. **Discrete**  
 [BCNS22, Růž21, UZ21, AV23, CF24,  
 CMS21, DK21, EAHS21, Lew21, Mar24a,  
 WXL24, XJLL23, Zem22, Zha22].  
**discrete-time**



[CF24, CMS21, DK21, Lew21, Zha22]. **disjoint** [HO20, ZLLZ22]. **Dispersing** [MRZ22]. **dispersionless** [VS20]. **Disproof** [HLH23, YW22, SD21c]. **dissipative** [GS21b, MMW21]. **Distance** [AT20, AGNPSE23, IKPR20, KAGH24, LZ20, LL21e, MT21b, MMW21, WZFW23, ZLLZ22, ABH<sup>+</sup>24, Alf20a, Alf20b, ABG20, AS22, BBG21, BS20e, BJP21, BEF20, BNS22, Bud24, BLS20, CN24, DKS24, Dev22, DGS<sup>+</sup>21a, Ere21, Est23, FM20a, GK22b, Goe21, GS22, GLT23, HSS<sup>+</sup>21, HP22, HD22, JGZ21, JT24, LLW20, LLW21, LQL21, MK23, MC21a, Mif21, Mor23, Ngo24, PGRU20, PK21, QLCM20, SL20a, SD21a, SD21d, TLC20, WZ23a, WFY24, XLS20, Zha22, ZvD23, ZTX24, MT21b]. **distance-biregular** [FM20a]. **Distance-regular** [IKPR20, KAGH24, GK22b]. **distances** [BMPS23, SL20a, TFX24]. **distillation** [QCCS21]. **Distinct** [KK24, AFK<sup>+</sup>23, ABR21, Bar20, BFF<sup>+</sup>23b, BFF<sup>+</sup>23a, BBC<sup>+</sup>22b, DYLY24, FM22b, GHL<sup>+</sup>24, Kub22, MP21, Rei23, Row20, SSS21, Zha21]. **distinction** [BD21a]. **Distinguishability** [DYT22, KMNP24]. **distinguishing** [KMNP20]. **distributed** [BHD<sup>+</sup>21]. **Distribution** [Lub22, ŠH21b, XZ24, AAFT22, AADT23, BG24, Bou21, CM23b, SPMSC24, WYF<sup>+</sup>20, XZ23]. **distributions** [CT24, RW22]. **divergence** [DLVV21, PV21a]. **divergences** [LL21a, MBV24, Sra21]. **divide** [BT20a, XBSF23]. **divide-and-conquer** [BT20a, XBSF23]. **divided** [BG0021]. **Divisibility** [GR21, CWBB23]. **division** [BDHS22, BDHS23b, Bol22]. **divisor** [CPS20, CN23b]. **do** [CGJvB22]. **does** [LWB20, Sta20b]. **domain** [Gal21]. **domains** [Nag23]. **dominance** [KP21, MG21]. **Dominant** [PPK24, CKM20, JMPS24]. **dominating** [LTYZ23]. **Domination** [XLYS20, AAFM23, HLH23, LLX23, WYF<sup>+</sup>20]. **Double** [ABHR22, AdST22, BGT24, DvDW23, RS21a, Sta23a, SS23c, ZZ20]. **double-structured** [RS21a]. **Doubly** [Djo23, APNP<sup>+</sup>21, BC24a, CC22a, GK20, JLL20b, KK22a, PSAPNV20, RX21, SM23]. **doubly-nonnegative** [RX21]. **Douglas** [JKX20]. **Drazin** [BR24]. **Dual** [WJLW24, ANAS20, AP23, GKLZ20, JN22, KCML20, Lee20, LT24, SZ22a, TT21, VMT24]. **duality** [LTTW22, Phu24]. **due** [SD21a, SD21d, TLC20]. **DXZ** [DID22]. **Dyck** [ZZZ24]. **Dynamic** [AHNW22, YOV21]. **Dynamical** [AMM24, AP23, CFKO21, GP20, KHU23, Rei23]. **dynamics** [CKOS23, GGGD23, Phu24, RMP21]. **Dynkin** [HXZ24, MP23b, Sim21, WWG22, Wan23]. **Each** [GZZ21]. **economics** [EGJP21]. **Edge** [HS22, LZ21a, AADT23, CW22, CZGS24, GMSG22, GMSG24, HWD23, LY24, RFP22, Sim21, SZ21, SD21a, SD21d, TLC20, Zak21]. **edge-bipartite** [Sim21, SZ21]. **Edge-connectivity** [HS22]. **edge-free** [Zak21]. **Edge-matching** [LZ21a]. **edge-weights** [LY24]. **edges** [CB21, LC20, LQ21, XW21, ZXL20]. **Editor** [Bru21, Bru22, Bru24]. **Editor-in-Chief** [Bru21, Bru22, Bru24]. **Editorial** [Ano20a, Ano20b, Ano20-27, Ano20-28, Ano20-29, Ano20-30, Ano20-31, Ano20-32, Ano20-33, Ano20-34, Ano20-35, Ano20-36, Ano20-37, Ano20-38, Ano20-39, Ano20-40, Ano20-41, Ano20-42, Ano20-43, Ano20-44, Ano20-45, Ano20-46, Ano20-47, Ano20-48, Ano20c, Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano20m, Ano20n, Ano20o, Ano20p, Ano20q, Ano20r, Ano20s, Ano20t, Ano20u, Ano20v, Ano20w, Ano20x, Ano20y, Ano20z, Ano21a, Ano21b, Ano21-27, Ano21-28, Ano21-29, Ano21-30, Ano21-31, Ano21-32, Ano21-33,



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[Van24a, CTS23, VJ24, MPRS21, StW22]. **eigenvectors** [ACT24, AdL21, AdLN23, CCP22, CA22, Coh20, EGJP21, ET20, Hu21, StW22, YOV21]. **eight** [GS21a]. **Eisenstein** [KB22, Kad23]. **elementary** [BES24a, VZ20]. **Elements** [Coh20, APNP<sup>+</sup>21, BS21b, CD24, GLAdS23, Hom20, Pat20, dSP24b, dGL24b]. **elementwise** [TV21]. **elimination** [SG20]. **Elliptic** [CN23a, BMS21, CER<sup>+</sup>23]. **embedded** [ÁVKP20a]. **embedding** [BS20a, CGP21, CN24, GA22, Mlo22]. **embeddings** [DG20, UZ21]. **enclosing** [MAG21]. **enclosure** [Miy24]. **encoders** [Ner20]. **end** [VZ20]. **endomorphism** [AM23a, MMR20]. **endomorphisms** [DGL23a, Mur22, dSP24d]. **endpoint** [ZS22b]. **energies** [LLW21, MH20, MH21, SGGZ21]. **Energy** [AA21, Obo24a, AGH20, AAAH22, AL23a, ABR21, AS24b, BP20, CZG21, CDVPT22, EN24, GLHNW20, GMR22, JGZ21, Kni20, LLW20, LW20a, LGT24, Obo24b, PGRU20, SK21b, SD21a, SD21d, TFT20, TLC20, UZ21]. **enhanced** [BES24b]. **ensemble** [BBS23, Sch22]. **Entanglement** [AKL<sup>+</sup>21, BH24, CJMP22, DSS24, LS21, QCCS21]. **entries** [AdL21, BR22, Bib22, JMPS24, LLW20, LLW21, Lub22, Lyu20, MR21a, StW22, ZC23]. **entropies** [MBV24, Shi21a]. **Entropy** [BCF<sup>+</sup>20, CHHS20, FKMM21, Kak20, MKE<sup>+</sup>20]. **entry** [Alf20a, TJ21]. **Entrywise** [Rum22]. **Enumerating** [AR21]. **enveloping** [CZ20a, Yas23]. **environments** [Mar24b]. **EP** [Dra23, ZBCI21]. **EP-like** [Dra23]. **Epstein** [CZ22a]. **equal** [GJV20, Kha24, KP23b, NdLO21, Rup24, WLL23, WLT22]. **equality** [BP21b, BP23b, SDS21]. **equation** [BS21b, CF24, Djo21, DL23, EJ23, GJ23, GvRR<sup>+</sup>23, Li24, Pra20, Růž21, Sas21]. **equations** [ABCH23, BF21, BF24b, CLS23, GP21, GJ23, IB22, JK24, Lim22a, LH21, MPS24b, MP20b, PS23b, QSS22, Rob20, RW22, Uch21]. **Equi** [FIJM24]. **Equi-isoclinic** [FIJM24]. **equiangular** [FS20, cRLY20, GIJM22]. **equienergetic** [PV21b]. **equilateral** [GL23]. **Equitable** [RFP22, AHZ22, DHS<sup>+</sup>24, LDW21]. **equitably** [Kad20]. **Equivalence** [AdF20, NPSE24, NPHT20, Oli21, FHMP21, FHMP22, GLT23, MPRS21, PR22b, Sch22, DD23b]. **equivalences** [MZ22]. **Equivalent** [BRL23, FPS22, Her20, Pan24]. **erasure** [LM22b]. **Erdos** [Adr22, Ngo24]. **ergodic** [CR21, FOR22]. **Erratum** [KAPS20]. **Error** [CKTP20, MMV21, FQ20, Hal20, LHZ21, Pra20, TV21, VCR21, WW20, dHH23]. **errors** [Ais24]. **essential** [AHV20, WMCQ23, ZS22b, ČD23b]. **Estimates** [CGP24, BG24, CWW24, CER<sup>+</sup>23]. **Estimating** [Hal20]. **estimation** [Ais24, HT22, MN24, SL20a, ZBdAF20]. **Estimations** [FST24, KZ23]. **estimator** [GQZ20]. **estimators** [CKTP20, Skr21]. **Estrada** [ALMZ<sup>+</sup>20, BD21a, FYS<sup>+</sup>23]. **Euclidean** [Alf20a, BLS20, Est23, GS20a, Gow20, JLL20b, SL20a, Sos23]. **Euclidean/Log** [Min22]. **Euler** [JR24]. **evaluated** [BHBO21]. **EVD** [YOV21]. **Even** [DDD24, BBG21, Des24, Goe21, LY23, Uru22]. **eventown** [AC22]. **Eventual** [GH23, JWZ22]. **Every** [AdlC20, BS21a, Ban22, Est23, AT21, Sha22]. **evolution** [CGG<sup>+</sup>21, Pan21, SZ22b, WZ23b]. **Exact** [CZ20b, KST22, Li20a, Bou24]. **exactly** [DYLY24, KAGH24, LWH21]. **exactness** [LV22b]. **examples** [BS20g, CLS24, KUZ22, Slo20, Slo21a]. **exceed** [LWB20, Sta20b]. **Exceptional** [dSP22, dSP23b]. **Excessive** [RW24]. **exclusion** [BS23b]. **Existence** [LS24c, GLZ21, LBW23, Mar24a]. **exotic** [GTV24]. **Expander** [AZ24]. **Expansion** [Han21, Dom20, WXL24]. **expansions**



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[Che22, GP20]. **Locally** [AM23b, BF24a, FMS21, FW24, dSP23a, Ste21b]. **Locating** [RB22]. **LOCC** [KMNP20]. **Log** [Min22]. **Log-Euclidean** [Min22]. **Log-Euclidean/Log-Hilbert** [Min22]. **Log-Hilbert** [Min22]. **logarithmic** [Fra22]. **long** [CWZ22]. **longest** [Nis24]. **look** [KS22a]. **loops** [IMT20]. **loss** [CPTP21, DP24, FKMM21]. **Lovász** [ABH<sup>+</sup>24, AC22]. **Low** [BS24a, DJ22, TL21, ZRQK22, BF24b, Bud24, FGM21, JMPS21, JCD24, KKM22b, KST22, Li20a, LHZ21, MN24, MO20, SK21a]. **low-dimensional** [Li20a]. **Low-rank** [BS24a, TL21, BF24b, Bud24, FGM21, KKM22b, KST22, LHZ21, MN24, SK21a]. **Lower** [ASS21, GMR21, MP21, Sta20a, ZZ21, AOA23, AGH20, AL23a, BS20f, Dew21, GZ20b, KL23, Lim22a, LZZ23, Loe21, MT21b, Rum22]. **lower-triangular** [Dew21]. **Lu** [GLLZ20]. **Łukasiewicz** [YY21]. **Lupas** [MMV22]. **Lupas-type** [MMV22]. **Lvov** [GdM23]. **Lyapunov** [BF21, GP20, Lew24b].

**M** [OPA23]. **M-IHS** [OPA23]. **Macaulay** [VD22]. **Macphail** [Tei22]. **Magic** [HHS21]. **magnetic** [FCLP22, KS23c]. **magnitude** [BU24]. **magnitude-symmetric** [BU24]. **main** [AFG<sup>+</sup>21, DYLY24, FB21, VTBC20, YW22]. **major** [Kia24]. **majorisation** [BS22]. **Majorization** [DGS20, DGS23, HM24, Gow20, GS23b, JJJ20b, YZ20, vED22]. **majorizations** [GS21c]. **Manifold** [ÁVKP20b, GSS24a]. **manifolds** [ÁVKP20a]. **many** [CN20b]. **map** [CM23a, CN22, CN23b, LS24c]. **mapping** [AFS<sup>+</sup>23, GKS21]. **mappings** [dSP23a, Sch24, Shi20a]. **Maps** [BMM24, HP23b, BH24, BFMS21, BSC23, BHMU20, BKT23, BS20g, Bui21, CDPR23, CMT21, CL24, CLL24, Cos20a, Cos20b, Cos21, Cos22, Cos24, DN21, DSS24, FOR22,

GJV20, GS20b, GMP22, HH23b, JJJ20b, JS22, KCML20, KLS24, Kye23, LV22a, LL24a, LL21b, LR21, LHFL20, LTWW23, LP21, SPMSC24, ST20, SS23b, tHvdM21]. **March** [Ano20-70, Ano20-54, Ano21-64, Ano21-66, Ano22-50, Ano22-56, Ano23-49, Ano23-59, Ano24-51, Ano24-57]. **Marchesini** [BCR<sup>+</sup>23]. **Markov** [BS20a, BAPF23, CK23b, CR21, EGJP21, HX24, LL20, RMP21, TTV23]. **mass** [VS20]. **masses** [FKM24]. **Master** [KKT22]. **Matching** [FCLP22, GJ23, ZvD23, ADH<sup>+</sup>24, Bou24, HHD20, LZ21a, LLA23, WZW<sup>+</sup>21, WHM23, WWY23, YYS<sup>+</sup>21, ZF24]. **matching-minor** [ADH<sup>+</sup>24]. **matchings** [GLMM23, O.21, ZWW23, ZHW21]. **mates** [ADHS23, KK22b]. **Matrices** [FdCP20, KLS21, Mel23, AFK<sup>+</sup>23, AG21, AP20, AKL<sup>+</sup>21, ACG<sup>+</sup>21, AMO24, AKVS23, ANBK22, AS20b, Ala21, AAM24, AdL21, Alf20a, ADMZ21, AAMR20, ACOM21, ABW22, APNP<sup>+</sup>21, APLN<sup>+</sup>23, Ayd23, BS20b, BDNO20, BS20d, BBS23, BS24a, BDK21, BPZ21, BN23, BEF20, BS20f, Bar21b, BDGY21, Bay24, BAPF23, BHBO21, BdPS21, BJ20a, BGT24, BC21, BR22, BCOvdD23, BCC<sup>+</sup>24, Bez22, BJ23, BG24, Bib22, BDHS22, BDHS23b, BTTT24, BDvW24, BDK<sup>+</sup>24, Bol22, BEFSC22, BFPS21, Bos24, Bou21, BMM24, BL24, Bou24, BCP24, BFMM23, BM20, BR23b, BD21b, BC24a, Bud24, BF24c, Bui22, BLS20, BS24c, Bur20, Bur21, CRR20, CRSY22, CCU21, CC22a, CEJM21, CEJM24, CDM21, CL20, CDdM22, Cha24, CS21, CD23a, CD24, CHY20, Che21, CZ22c, CT24, CJ20, CCK21b, CCP22, CCS22]. **matrices** [CCKM22, CKKR23, CKKR24, CLNY22, CLS23, CN23a, CKLN23, CN23b, CW20, CCO23, CMT21, CIM22, CT20, CK21, CESS21, CP22, CCGH24, CK23b, CKM20, Cos20a, Cos21, Cos22, CGMP23, CdSV22,



CS20, CCL21, DGS20, DGS23, DGKP24, DD20, DY23a, Dew21, DJ23, DBF24, DRG24, DMQD20, DMQV24, DGS21b, DF20c, DF22, DG22, ER24, EGJP21, EJS24, ES23, EHS22, EGV20, FCLP22, FV24, FR21, FP24, FIJM24, Fik20, FP21, FFSW23, FLT20, FG20, FG22, GS21a, GZ23, GA21, GHL<sup>+</sup>24, GR21, GW22, Gau24, Gil20, GS21b, GK20, GM20, Goe21, GT21, GvRR21a, GvRR<sup>+</sup>21b, GD20, GPR20, GMSG22, GMSG24, GZ20b, GP20, GS23b, HP21a, HW21a, HS23a, HS23b, HS22, HLZ17, Hou20, Hu21, HH23b, HL20, JLX22, JZZ24, JMPS24, JR24, JKŠ24, KS23a, KT21, KKP21, KK20b, KK22a, KŠ22b]. **matrices** [Kli20a, Kli20b, KPP21, Kol21, KFS21, KN20, Kus23, LR23, LV22b, Le22, LS23, LOŠ22, LLW20, LF20, LH20, LLW21, LW21b, LTTWW23, LWB24, LY24, Lim21, Lim22a, LZZ23, Loe21, Loe23, Los21b, Lub22, LMR21, Lyu20, MPR22, MPR24, MSTH24, MA22, Mao20, MJ24, MMV21, MMV22, MRZ22, MR21a, MSZ21, MORŠ21, MHM24, MS20a, MT21b, MC21a, MN24, MRV20, Men22, Mig21, Mil24, MT23, Moh22, Moh20, MSX22, MSZ23, MP24, Nar23, NS21, Ner20, NXS23, NV23b, OQ22, OV24, OW23, Obo24b, ORŠ23, OP21, PS24a, PSW23, PŠ23a, dSP22, dSP23b, PQ22, PSAPNV20, PW21, PW19, PW20, Pri22, Ran22, RRvW24, RA24, RS21a, RKBA21, RSS21, RX21, Rub21, Rub22, RRL<sup>+</sup>24, SS21a, ST22, ŠH21a, Sha22, SM23, SS21c, Shi21c, Shi22, Sim20, SMM24, Sra21, SS20, Sta24]. **matrices** [SSvW20, Tan23, Tei22, TP23, Tom23, TBH20, VS20, Van24a, Var21, VMT24, VMB22, Vit21, Wan21, WW22, Wei22, Xie21, YZ20, Yan21, Yaz21, ZS22a, ZM21, ZZ20, ZW20, ZZZ24, ZFZ20, ZC23, ZBCI21, dC21, dHH23, dICP20, dICS21, ĐMM<sup>+</sup>22, vRvSTT21, vRRvS24]. **matricial** [FKM20, FKKM22, FKM24, Kim22, MS24a, Pap24]. **Matrix** [ABC<sup>+</sup>22, AMS24, BW24, CKKR23, CKKR24, CKLL20, Cra21, CMR21, GW20, Jon21, Kis22, KP23b, San23, ZK21, AT21, AOA23, ADGK21, ACT24, AK20, AS24a, ABG20, ACM22, ADHM23, AGV20, AdlC20, AS22, AJNS24, BGG24, Bai24, BBG21, BS20e, BJP21, BR20a, Bar20, BR20b, BN23, BT20a, BFMS21, BDN24, BBS20, BS23a, BŠK<sup>+</sup>24, BGSC24, BFPS21, BM22, BU24, BŠ23c, CP20, Car21, CZ22b, CK23a, CLW22, CAJ21, CLS23, CN21b, Chi24, CMP21, CP23, CESS21, Chr24b, Cob22b, CER<sup>+</sup>23, CMM22, Cos20b, DB23, DDD24, DD20, DID22, DMS20, DZCY22, DdR20, DP24, DLL20, DP21, Djo23, DS24, DAG21, DL23, DN20, DN23, DMQV24, Dra22, DGS<sup>+</sup>21a, DM24, DA24, EJ23, Elm23, Est23, FM22a, FMR20, FISW21, FGDY20, FR24, FM20b, FKKM22, FG20, FG23b, FJ24]. **matrix** [FKK<sup>+</sup>21b, GA22, GM22, GTW23, GW24a, GKS21, GK21, GZ20a, GW24b, GRR22, GvRR<sup>+</sup>23, GtHJR24, GMP22, Han21, HW20, HLS21a, HXZ24, JJJ20a, KL23, KS24b, KCPMNS21, Kim20, KIS21, Kop20, Kov21, KP21, KLSP24, Kye23, LNN<sup>+</sup>20, Lew24b, fLLV20, Li22, Li24, LDSS20, LHZ21, MZ24, MMW21, Mel23, MC21b, ME21, MT23, MST24b, MST24a, MP21, MP23b, Mor23, MP20b, NGK23, NPkT21, Ngo24, NN24b, Nic24, NV23a, O'L23, OPA23, dSP20a, PS23b, QCCS21, Rob20, RB22, RMG24, Rūž21, SK21a, SL20a, ST22, Sat21, Sch23, SNK22, Skr21, Sri24, Sta21, Ste22a, SW23, TL21, DD23b, TXF24, Uch21, Uch23, Uru22, VS23, VD22, WCKQ20, WZL21, WWG22, WMCQ23, Wan23, Wer22, XY20a, XZ21, XWT20, XBSF23, Yan22, YZY24, ZG21, dVLG23, tHvdM21, vdMvSW24, GGGD23, KS23b]. **Matrix** [LLWW23]. **matrix-sequences** [BGSC24, CER<sup>+</sup>23]. **matrix-tree** [GRR22, LLWW23]. **matrix-weighted** [Han21]. **matrixwise** [DFH<sup>+</sup>20]. **matroids** [HKK24, HN24]. **max** [AdLN23, Jon21, KZPH22, MPS22, MP20b, MP24, ONW24, SIW22, TV21, WFSS20].



**max-min** [MP20b]. **max-plus** [Jon21, MP24, ONW24, SiW22, WFSS20].  
**Maxima** [LMX23, ZL22, ZG22, JLV22, PSZ21].  
**Maximal** [Ere21, GM23, APNP<sup>+</sup>21, CZG21, CT23, LTYZ23, ORS24, PSAPNV20].  
**Maximally** [NZ24]. **Maximally-fine** [NZ24]. **maximize** [Li20b]. **Maximizing** [HLS21b, HLS22]. **Maximum** [ABW22, EG20, LLW23, LHH22, Yos21, AIK<sup>+</sup>24, ADvdH21, AHLvdH21, ADvdH23, AJNS24, BCM21, Bud24, CLL20, CLT22, CKM20, FY23, GLT23, LW21c, MvWZ24, SG20, WG20a, WYF<sup>+</sup>20, WS22, YD21, ZTX24].  
**maxmin** [MPS24b]. **maxmin-** [MPS24b].  
**May** [Ano20-62, Ano20-61, Ano21-50, Ano21-52, Ano22-52, Ano22-53, Ano23-65, Ano23-66, Ano24-59, Ano24-63]. **Mazur** [BS21a, Ban22]. **McCarthy** [BL20].  
**McEntegert** [CZ22b]. **McKay** [BBCD21, QJW20]. **Mean** [LV22a, CMM20, ES23, FH23, FST24, FJ24, Ghi20, GLP21, GL22a, GL23, LL21b, LMW21]. **means** [BGOO21, CKLL20, CKL24, CIM22, DF20c, DF22, GLT21, Gye23, HK20, LL21a, LS20a, MS24b, Nie24, PV21a, Uch21, Uch23].  
**Measure** [BHHP21, EAHS21, HJBKR24].  
**Measure-theoretic** [BHHP21].  
**measurements** [KKM22b]. **measures** [AHNW22, CGP24, FG20]. **Measuring** [AEGL21]. **median** [MC21a]. **Mellin** [JK24]. **mesh** [EGL21, SZ21, SZ22a].  
**Mesner** [GF20, Mar21]. **method** [BWW21, CK23a, Dax23, EN22, GP21, GD20, Har22, KHU23, Lew24a, LG21b, LR24, MHM24, OPA23, Pra20, SLTW22, SWW22, TNL24, WCS20, XX20, XBSF23, ZL23a].  
**methods** [BDF23, DAG21, Gal21, JK24, KKM22a, KH24, MG24, RZ24]. **Metric** [BCR20, Bai24, BGLR22, CXZ22, DF20b, NPHT20, Oli21]. **Metrics** [Sra21, Min22, TP23]. **Milner** [WXY24].  
**Min** [TV21, MP20b, ONW24]. **Min-max** [TV21]. **min-plus** [ONW24]. **Minimal** [BDV24, DN24, EGC21, GS21b, ZWZ24, ADMZ21, BP20, DPR20, DdF23, FM22a, GL21, GZZ21, HP22, IdSSV21, MRV20, MO20, NV23a]. **Minimal-norm** [GS21b].  
**minimality** [Koz21]. **minimally** [ZG22]. **minimax** [FP20, SS21c]. **minimization** [fLLV20, LWZL23, LL24b]. **minimizer** [HLN24]. **Minimizing** [LGT24, UZ21].  
**Minimum** [BBC<sup>+</sup>22b, MT23, AFK<sup>+</sup>23, BZZ22, BMM24, DJ23, FM22b, FdCP20, HLH23, KL23, LLX23, LLA23, MAG21, MMN22, ZWW23, ZWL20a]. **miniversal** [FKK<sup>+</sup>21b]. **Minkowski** [LF20, ZJCA20, vRRvS24]. **minor** [ADH<sup>+</sup>24, LLW23, WCF21, ZL22]. **minors** [BDNO20, BU24, FMR20, ZZZ24]. **Mirsky** [HR20]. **Mixed** [AGNN20, GHLP24, LLL22, ABR<sup>+</sup>22, Ans21, BL23, BBCE21, DFL24, GL21, HBHZ22, KB22, Kad23, KSY21, PS24b, WFL20, XBSF23, YGW20, YWF21, ZW20].  
**mixed-unitary** [GL21]. **Mixing** [AZ24]. **Möbius** [KSB24, Kli20a, RT24]. **Model** [WXL24, XJLL23, Ais24, BDSS21, Bou24, CZ20b, ĆD23b, GQZ20, LM22b].  
**model-matching** [Bou24]. **models** [BCR<sup>+</sup>23, HH23a]. **modifications** [MPRS21]. **modular** [CN23a]. **module** [AM23a, BBNS22, Mur22, XY20b]. **modules** [Ago24, BHKW22, CW23a, EGL21, TCB24].  
**Moduli** [AG24, ABHR22]. **modulo** [CLS23, JMP21a]. **modulus** [BMM24, MR21a]. **moment** [Cia22, EAHS21, FKM20, FKKM22, FKM24, Kov20, MS24a, Zal22]. **Momenta** [dlPG21].  
**momentary** [BEFSC22]. **Moments** [BCR20, YBW24]. **monodromy** [Ayd23]. **monoid** [Got20]. **monoids** [BS23a, Wie22]. **monomial** [CDdM22, SDS21]. **monomials** [KLR22]. **monomorphic** [BSZ24].  
**monotone** [ADH<sup>+</sup>24, CDR23, JLM20a, JLM20b].  
**Monotonicity** [BJ20a, CZ22a, PTD22, BW24, CESS21].



**Moody** [FKM22]. **Moore** [BF24c, DFL24, FG23a, PŠ23a]. **Morita** [BT24, FPS22]. **most** [ADvdH21, AHLvdH21, BFF<sup>+</sup>23b, DGS<sup>+</sup>21a, GM23, HT23, Kub22, LBW23, NdLO21, Ran23, WLL23, dLMO20]. **Motzkin** [ZL23a]. **MRD** [GL20a, MMZ20]. **MRD-codes** [MMZ20]. **MRI** [Sar21]. **MSE** [Skr21]. **multi** [AKPS19, DO22, HWD23, KAPS20]. **multi-angle** [DO22]. **multi-dimensional** [AKPS19, KAPS20]. **Multidimensional** [CW20, Bay24, LT24]. **multigrid** [BDFF23]. **multilevel** [HT22]. **multilinear** [BFMS21, BBBT24, FPR20, HLYZ23, PSRS20, Skr20, Skr24, Vit21]. **multipartite** [VD22]. **multiparameter** [VD22]. **multipartite** [SD21a, SD21d, TLC20]. **Multiple** [VZ20, CV21, CI21, Hal20, LPS23, LF20, Mao20]. **multiplicative** [HS20]. **Multiplicative** [CI21, OQ22]. **multiplicities** [AAFM23, AGV20, GS23a, Iop20, KL21b, LL21e, SD21b, ZZW22]. **multiplicity** [AvDF20, CLZ24, CH21, DJ23, DH22, DH23, TWW20, TW21, TW22, TJ21, WWJ20, WFGT20, WZW<sup>+</sup>21, WZT20, WWY23, WZX24, XWT20, YW23, ZWZ24, ZW22]. **multiplied** [MT23]. **multiplier** [Rai23]. **multipliers** [Chr24b, Skr20, Skr24]. **multisets** [HHS20a]. **multistructures** [Pat20]. **multivalued** [ACMM24]. **multivariable** [CLY22]. **multivariate** [AS23, CI21, Cob22b, CFR23, KN20, MP22, PV21a, Zha23]. **multiwavelets** [PM23]. **Murdock** [Fik20, FP21]. **Murray** [HKS23]. **mutual** [AGK<sup>+</sup>21]. **mutually** [FG22]. **MVD** [DP24].

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**Positivstellensatz** [SS22]. **possible** [FKM24]. **post** [BE20]. **post-Lie** [BE20].

**Potent** [GK22a]. **potential** [CIM22].

**potentially** [Cav21]. **Power**  
[Dom20, HJ24, BM24, CvDB23, CLS23, CIM22, DA23, DF20c, HVX23, KS24a, LL21a, MS21, Ost23, RRvW24, SSvW20, Zha23].

**Powers** [FFSW23, JKŠ24, BBCK24, DD23a, FJS17, FJS21, FISW21, GW20, KCPMNS21, LL24a, MST24a].

**precision** [DA24].

**preclude** [RW24]. **preconditioner** [dAdCG<sup>+</sup>21]. **preconditioners** [GO24].



**preconditioning** [OPA23]. **prediction** [BBW20]. **Preface** [AHKT21, DKM<sup>+</sup>21, GQdSPŠ24]. **prescribed** [APNP<sup>+</sup>21, AGV20, BPZ21, CCU21, CDG21, DGL24a, LQ21, ZXL20]. **presentations** [BR21]. **preservation** [SMP24]. **preserve** [CP22]. **preserver** [Gye23, Tom23]. **Preservers** [DHH<sup>+</sup>20, PR22b, Poo20, GK22a, GSS24b, GS24, Ham22, LMW21, QSH22]. **Preserving** [GA21, AGK<sup>+</sup>21, BMM24, CL24, CLL24, Cos20a, Cos20b, Cos21, Cos24, GTW23, GJV20, GJKM21, GMP22, GS23b, HP23b, HH23b, KFS21, KLSP24, LL24a, LTWW23, Loe23, MPRS21, Pan20, Pan22, Růž21, Sch24, SMM24]. **prevalent** [MST24b]. **prime** [BFO23, CLS23, GM24, HS23a, Kli20b, LS20b, LP21, SK21a]. **primitive** [HW21a]. **primitivity** [AKL<sup>+</sup>21]. **principal** [BW24, BJ20a, BU24, BLR21, Cha24, CTS23, FMR20, GQZ20, LHH22, PTD22, Zha24b]. **principle** [CZ20a, FP20, ZX20]. **principles** [LWZL23, LL24b]. **probabilistic** [CMS21, LM22b]. **probabilities** [PSZ21]. **problem** [ACF<sup>+</sup>24, AdLN23, AAMR20, AC22, BGS22, Beh21, BCC<sup>+</sup>24, CJ24, CD23a, CO24, EAHS21, FM22a, FHLS22, FQ20, FKMM22, FKM24, GA22, GR22, GS20b, Gye23, Hal20, Har22, JS20, JCD24, KS24b, KKM22a, Kim22, Kis22, KS20b, KP22, Kov20, LDZ21, LOŠ21a, LOŠ23, MS24a, MvWC23, MS20a, NYW22, dSP20b, dSP24c, PWW23, Pol20, QCCS21, Row20, SS21c, SZ22a, Ste21a, Tom23, WES21, Wan24, XX20, XL24, Zal22, ZWF20, ZX20, dBS20, dC21]. **problems** [APLN<sup>+</sup>23, BLMT21, Boj21, BDF23, CRR20, CEM21, CKLL20, Des24, DMQD20, EN22, GK20, fLLV20, MMW21, MG21, MC21b, Ngo24, PSAPNV20, PLT23, PS22, SL20a, SLTW22, VD22, WCS20, YGW20, ZMP23, ZKLS20]. **procedure** [MS20b]. **Proceedings** [GQdSPŠ24]. **processes**

[EGJP21, GZ20a]. **Procrustes** [BGS22, CRR20, Min22]. **product** [AEGV21, AdlC20, BB22, BJ20a, BKS<sup>+</sup>21, BKR<sup>+</sup>20, Cha24, CW23b, CS20, DYB20, Fek20, FKMM21, FST24, GT23, GFW24, HY20, HP23b, HK20, Kak20, KLL22, KMNP20, KMNP24, LH20, MQW20, Mil24, PS20, dSP23b, PS24b, Ran22, Ste21b, TT24, Yos21]. **production** [AS24a, EHS22]. **Products** [BTTT24, GT21, dSP24a, dSP24b, AL23b, AOCM20, BC21, BDHS22, BDHS23b, BKLT23, BNS22, DGET21, FJS17, FJS21, GJV20, Gow20, HW20, HLZ17, Hou20, Jai21, KT21, Kye23, QSH22]. **programming** [Ans21, Hla24, ZMP23]. **programs** [LPV21]. **progression** [BLS20]. **project** [MMP21]. **Projection** [CVV21, GOZ21, GNR20, LHZ21]. **projections** [Ais24, AGKS23, ACMM24, BKRS20, BDI20, Fra20, HY24, HPSZ21, LPV21, PLT23, Poo20, RZ24, TXF24, XY20b, ZTX24]. **projective** [BS20f, CLZ22, DGL23b, Mañ22, NYW22, Sri24]. **projectors** [BR22]. **Proof** [CLL20, CJ20, Gau24, HD22, Loe23, LZ21b, Mur22, SD21a, SD21d, SD21c, XZ23, BD21a, CZ22c, EN24, GAMA20, KW20, SW21, SL20b, WZ23a]. **Proofs** [KK20b, AS23]. **Proper** [KZ23]. **Properties** [DO22, QSH22, AJM24, ACM22, ACOM21, BC22, BV24, BDGY21, CLRT22, CJMP22, CZ22c, CF24, CESS21, DFS23, Dra23, FHLS22, FOR22, GA21, GK21, GPR20, HS23b, JJS20a, KSB24, KLL22, LZ21a, LY24, Men22, Miy24, MS24b, MPRS21, Tar20, TD22, WSW20, YZY24, ZC23, MZZ24]. **Property** [CN20a, ACF<sup>+</sup>24, AG21, Bai24, BS21a, Ban22, BP21a, BMP24, BW22, CK24b, Cra21, CMR21, CS20, Dra22, FG23b, GOUY23, LOS20, MC21b, MRT20, Pik23, Růž21, Sat21]. **proximal** [HNS21]. **Pseudo** [BMS21, DP23, AdlCPS20, ACLS20, Bol21, DG20, HS20, PŠ23a, XBSF23, dHH23].



**pseudo-embeddings** [DG20]. **pseudo-inverse** [Bol21]. **pseudo-inversion** [PS23a]. **pseudo-involution** [HS20]. **pseudo-Jacobi** [XBSF23]. **Pseudo-ovals** [BMS21]. **pseudo-spectral** [ACLS20]. **pseudo-unitary** [AdlCPS20]. **pseudoskeleton** [Ham23]. **Pseudospectra** [Ost23, LS24b, RKBA21]. **Publisher** [Ano24-71, Ano24-72].

**Q** [NdLO21]. **Q-integral** [NdLO21]. **QLP** [WX20]. **quadrangle** [DG20]. **Quadratic** [CN24, Mlo22, dBS20, BBNS22, BRL23, BLMT21, BCS24, BTJT24, CHHS20, GA22, GTV24, Ger20, GCOP24, Har22, HLS21a, Hla24, Hua22, IdSSV21, Mel23, MZ22, NYW22, dSP22, dSP23b, dSP24c, RB22, Uch21, ZMP23]. **Quadrature** [JK24, BF21, Sch23]. **quadrics** [BMS21]. **quadrinomials** [SZZ24]. **Quantitative** [FGPW24, OW23, hB21]. **Quantitatively** [AL21, AL24]. **quantities** [CMM20]. **quantization** [AP23, FISW21]. **Quantum** [CGJvB22, LL21a, AHM20, AGKS23, AFS<sup>+</sup>23, CJMP22, CDS21, CFKO21, CKOS23, FP23, Gan23, God21, JS22, KS22a, KIS21, KMNP20, KMNP24, KSY21, Kub23, Li20a, LIW20, LCH23, MPR24, MKOC24, OSC20, PY24, SMA20, Shi21a, Sol20, Zha22]. **Quasi** [AT24, ADHM23, CW23a, CR21, FW24, GP20, Men22, PS23b, Rob20, Yan21, Yan22]. **quasi-Cauchy** [Yan21]. **Quasi-ergodic** [CR21]. **Quasi-hereditary** [AT24, Yan22]. **quasi-interpolatory** [FW24]. **quasi-linear** [PS23b]. **quasi-periodic** [GP20]. **quasi-Toeplitz** [Men22, Rob20]. **Quasi-triangularization** [ADHM23]. **Quasi-Whittaker** [CW23a]. **quasiabelian** [WFY24]. **quasinilpotent** [HJ24]. **quaternion** [BBC<sup>+</sup>22a, DL23, Mig21]. **Quaternionic** [CDM21, AG24, BG20, CDM20, DP23, DGL23b, GSV24, GvRR21a, MMA22, NS22, RAK21]. **quaternions** [ACLS20, LDZ21]. **question** [ACG<sup>+</sup>21, Lin24, Roc24]. **questions** [GAM20]. **quiver** [ABHR22]. **quivers** [GLNW24]. **quotient** [PS22]. **quotients** [MS20a, Zak21].

**Racah** [CFR23]. **radical** [FMS21]. **radii** [AHK23, BS24c, CMS21, KZ24a, LZ21b, OM20, SD21c, SC23, XW21, YD21, ZLG20]. **radius** [AOA23, ASS21, AIK<sup>+</sup>24, AC20a, AMS24, BGGA22, BDK21, BHHP21, BJ23, BP21b, BKPS23, BP23b, Bhu24, Bui22, CLZ20, CWZ22, CLM22, CDG21, CDG22a, Cos20a, CLY22, DA23, DYB20, DPR20, Dru24, DW21, Ere21, FY23, FLRS20, FW22, FS23, GM23, GLHNW20, GZ20b, GLMM23, HLH23, HBHZ24, HLS21b, HLS22, JGW24, JZZ24, JT24, KLLW21, KZ24b, LW20b, LC20, LQ21, LW21b, LZ20, LZZ23, LLX23, LBW23, LW24, LLA23, MK23, MT21b, MLH22, MR21b, MXZ20, Naj20, O.21, O.22, OPPS22, PK21, QSH22, SKS22, SWW21, Sta20b, SD20, WSW20, WG20b, WCF21, WS22, WZ23a, WZC23, XHW23, YYS<sup>+</sup>21, ZW21, Zam23, ZXL20, ZZ21, ZG22, ZvD23, ZWW23, ZF24, ZHG21, ZHW21, ZL23b, ZKLS20, ZWL20b, ZBWL20, ZvD21, NQ24]. **Rado** [Adr22]. **rainbow** [GLMM23]. **Randic** [AA21, HBHZ24]. **Random** [CEJM24, GNP22, LPV21, PLT23, BAPF23, BW22, CLS23, Co020, FR21, HW20, HBHZ22, HBHZ24, Kop20, LLW20, LW20a, LLW21, NS21, OW23, RRvW24, RW22]. **Randomized** [WX20, ZL23a, BWW21, LY20, LG21b, LR24, MN24, OPA23, SLTW22, TNL24]. **range** [BM23, BKLT23, CHSW22, CDM20, CDM21, COB22a, CN21a, CN22, CF22, DY23b, EM23, FGPW24, GW20, HHS20a, Ham22, KP23b, RW21a, SBP24, vdMvSW24]. **range-kernel** [DY23b]. **ranges** [BdPS21, CCH<sup>+</sup>21, CR23, CKLN23, GWW21, GW22, Gau24, PW21, RAK21, ZS22b, ZC23]. **Rank**



[BR20b, BES21, BCR20, HY20, SG20, ZRQK22, AMR20, AY23, BBS23, BS24a, BDRS20, BR20a, Bar20, BZZ22, BdPS21, BBBT24, BF24b, BT20b, Bud24, BF24c, BGLR22, CXZ22, CG22, CJ20, CAJ21, CMT21, Com21, CST21, CFR23, DB23, DDD24, DP24, DH21, DS24, DG22, EGC21, FGM21, GJV20, GL21, GF20, Got20, GLS22, GLT23, GS24, HP23a, HHD20, Kak20, KCPMNS21, Kha24, KPP21, KKM22b, KST22, LS22, LJSZ23, LDZ21, LW21c, LHZ21, MMN22, MC21a, MN24, MR21b, MSZ23, MO20, NPHT20, Oli21, ORS24, RPŻ21, PPŻ23, PW21, Rod21, Rub22, Rup24, SK21a, SZH22, Ste21b, TL21, WLT22, XZWT20, ZXZW23, dBS20]. **rank-1** [KPP21, MSZ23]. **Rank-Metric** [BCR20, NPHT20]. **Rank-one** [BR20b, DH21, GJV20, KKM22b]. **rankability** [CLS20]. **ranks** [AKN23, BBS20, FdCP20, Rub21, Shi20b]. **rate** [BWW21, Ros22]. **ratio** [Hae21, Li20b, LHH22, Zha24b]. **Rational** [Dew21, Rob20, AL23b, AL24, ADMZ21, DMQD20, GtHJR24, KW20, LPS23, NV23b, PQ22, Rub21, Var21, AV23]. **Rationality** [BNS22]. **ratios** [Nic20]. **Rayleigh** [PS22]. **rays** [Yu20]. **reachability** [Sch22]. **Real** [GW24a, Moh22, RT21, Wei22, AMO24, AL21, AL24, AdIC20, Bib22, BS24c, DJ23, EL20, GTV24, HVX23, IKLP20, Kol21, LNN<sup>+</sup>20, dGL24b]. **realising** [JKŠ24, KŠ22b]. **Reality** [Bla20]. **Reality-based** [Bla20]. **realizability** [JJS20b, JS20, JMPS21]. **realizable** [AMS21, MM21, MM24]. **realization** [AL23b, FM22a, Rub21]. **realizations** [AV23]. **Reciprocal** [KSB24, BP21a, BMP24, FJ24, MT21b]. **reciprocity** [KNiO23]. **Reconstruction** [SB24, ZW20, CO24, Sar21]. **Recovering** [BU24, StW22]. **recovery** [AMM24, CW21, CZ20b, HMPT20, KS20b, KKM22b, LM22b]. **rectangular** [Kop20, MMV21]. **recurrence** [PWW23]. **recursive** [Var21, ZZZ24]. **reduced** [Ayd23, BMM24]. **reducibility** [MORŠ21]. **reducing** [CR23]. **Reduction** [WES21, BR23a, CB21, KSSW20, LH21, MS20b, SS22, WXL24, XJLL23]. **Rees** [CDG22b]. **Refined** [BDK21, BR22]. **refinement** [KZ24b]. **reflection** [RS21a]. **Reflective** [Sha24]. **reflexive** [BK22]. **regarding** [ACG<sup>+</sup>21]. **region** [CAJ21, KK20b, KŠ22b, NN24b]. **regions** [KK22a]. **regression** [Ais24, CI21, GQZ20]. **Regular** [BFF<sup>+</sup>23b, AG21, AFSS20, AdF20, BDRS20, BR20a, Bar20, BCD<sup>+</sup>24, CT24, CCO23, DF20a, DYT22, DS24, FS20, GA22, GK22b, GSV24, HO20, IKPR20, KGGY23, KAGH24, Kub22, Kub23, MP21, Nic24, QJMW23, YK21, Zha22, Zha24a]. **Regularity** [MP24]. **Regularization** [Kov20, HH23a]. **regularized** [DAG21]. **Reinhardt** [MT22]. **related** [AHNW22, BCOvdD23, BDI20, CZ22a, CMM20, Est20, FP20, FH23, GM24, JJJ20b, Jia24, Kli20b, LMW21, Li22, Mar21, MvWZ24, MMW21, MS24b, PV21a, Shi21a, Shi22, Sra21, Van24a, ZZZ24]. **Relation** [ZXZW23, CIM22, GMR22, WJLW24, WWY23, XTLK23]. **Relations** [Sta23b, WFL20, ACSS22, Arl20, CMM22, GJKM21, Lim21, Nag23, SL21]. **relationship** [TFT20]. **Relative** [BLMT21, MBV24, Shi21a]. **relatively** [Kus23]. **relaxation** [BHD<sup>+</sup>21]. **Rellich** [BN23]. **remark** [Bar21b, KS24a, Shi20b]. **Remarks** [Tei22]. **removal** [JST21]. **Rényi** [DF20c, MBV24, Shi21a]. **repeated** [JMP21b]. **repelling** [Est20]. **replacement** [BT24]. **representation** [Ago24, Bla20, CN22, PV22, SC20a, SW21]. **Representations** [AG15, AG20, CFR23, Jia24, ABHR22, CM23a, CDD21, JL22, KMNP20, MRZ22, NPR22, O’L23, PQ22, RT21, Sch23, Shi21a, Wie22]. **require** [GHL<sup>+</sup>24]. **residue** [KW20, NPkT21]. **residues** [Fra22]. **resilient** [KCML20].



**Resistance** [BEF20, Dev22, Est23].  
**Resolvent** [Fra22, Zem22, AHV20].  
**resolvents** [Fra20]. **resonant** [OSC20].  
**resource** [JS22]. **respect**  
 [AdlCPS20, CEM21, Ime23, KKS21,  
 KLSP24, RAK21, Ram23, Sta21]. **restart**  
 [TNL24]. **Restricted**  
 [NXS23, BD21b, CHSW22, EFY24, Hla24,  
 MMA22, PGST23, Poo20, Sat21]. **result**  
 [LLSV21, vRRvS24]. **Results**  
 [FJS21, BS20c, BEFSC22, DYLL23, Fra20,  
 Iop20, LJSZ23, Nie24, OW23, SPMSC24,  
 Sch23, WHL24, FJS17]. **retraction**  
 [GSS24a]. **retrieval** [BFO23, EL20, StW22].  
**revealing** [SG20, Ste21b]. **Reverse**  
 [Pre20, BCP24]. **Reversibility** [GL22b].  
**Reversible** [BG20]. **revisited**  
 [CCO23, FKRvS24, GH23, LIW20, Van24b].  
**Revisiting** [LS20c]. **revival**  
 [CCD<sup>+</sup>22, GZ20, Mon23]. **reweighted**  
 [CW21]. **Riccati** [BF24b, CF24, Rüz21].  
**Ricci** [Sic21]. **Richardson** [KK20a]. **ridge**  
 [GQZ20]. **Riemann** [Nag23]. **Riemannian**  
 [ÁVKP20a, DAG21, KKM22a, NXS23, TP23].  
**Riesz** [Fra20, GS20a]. **right** [AL23b,  
 BMPS23, DHH<sup>+</sup>20, FKK21a, Hal20, LS23].  
**right-angled** [FKK21a]. **right-hand**  
 [Hal20]. **right-star** [DHH<sup>+</sup>20]. **Rigidity**  
 [KNS20]. **rigorous** [Miy24]. **Ring**  
 [HKS23, AT21, AM23a, CPS20, CGMP23,  
 NPR22, SSvW20]. **rings**  
 [AT24, BS20f, Bol22, BHKW22, CM23b,  
 Ham22, HLZ17, Hou20, LP21, NPkT21,  
 Nic24, NZ24, Pre20, Wer22]. **Rio** [AHKT21].  
**Riordan** [Slo21a, AS24a, AK23, Bur20,  
 Bur21, CCP22, CCS22, CCKM22, Cob22b,  
 Coh20, He20, KNiO23, LMR21, MMW22,  
 Pet21, SS24a, Slo20, Slo21b, SS23c, YY21,  
 YY23, ZZ20, ZZJ23]. **Ritz** [RW21a]. **robust**  
 [KCML20]. **robustness** [KKM22b]. **Roe**  
 [MT21a]. **role** [AFSS20, DN20]. **Roos**  
 [De 20]. **Root** [DN20, NV23b, ACT24,  
 CA22, LHK20, NV23a, SZ21, SZ22a, TV21].  
**rooted** [Cia22, DR20]. **Roots** [BHMU20,  
 DGL23a, ES23, GvRR<sup>+</sup>21b, Jon21, MZ22,  
 dSP20a, PZ20, TV21, vRvSTT21].  
**Rosenbrock** [DMQV24]. **Rota** [MDH23].  
**rotational** [NNSS20]. **rotations** [CZGS24].  
**Rotfel'd** [MJ24]. **Rouché** [BES24b].  
**Rovnyak** [GHLP24]. **Row** [RC23, ES23].  
**row-permuted** [ES23]. **rows** [KS23a].  
**Ruelle** [Mor20]. **rule** [NWW20]. **Ruling**  
 [JMP21b]. **Runge** [GO24].  
**Sachs** [CC22b]. **saddle** [BGT24, BDF23].  
**saddle-point** [BGT24]. **Salem** [RT23].  
**same** [BĐK<sup>+</sup>24, CDG22a, MR21a].  
**Sampling** [FR21, AMM24, CEF<sup>+</sup>22, MB20].  
**satisfying**  
 [BKS<sup>+</sup>21, DA23, Ime23, MvWZ24].  
**Saturated** [cRLY20]. **Scaffolds**  
 [Mar21, LTTW22]. **scalable** [CDT24].  
**scalar** [BKS<sup>+</sup>21]. **scale**  
 [BW21, BF24b, CHHS20]. **scaling**  
 [FRS21, LT24, MS22]. **Scattered**  
 [CLZ22, BCM21, PS24b, SZZ24]. **Schatten**  
 [Bot21, CI21, LHZ21]. **Schatten-** [LHZ21].  
**scheme** [AHM20, KCML20, LIW20, SS20].  
**schemes**  
 [ABCH23, BMS21, LTTW22, XTLK23].  
**Schmidt** [Aou24, CLRT22, Min22, Zam23].  
**Schröder** [YZY24]. **Schrödinger**  
 [CW23a, CW23b, KS23c]. **Schur**  
 [AV23, AC24, BJ20b, BS22, Chr24b, CMM22,  
 Dev22, FKM20, Gow20, Skr20, Skr24, TT21].  
**Schwarz** [XX20]. **Secant** [KMZ20]. **second**  
 [ABG20, BW21, BCOvdD22, BCOvdD23,  
 CLM20, DG24, LWB20, LH21, MC21b,  
 WQP23, XLS20, YK21]. **second-order**  
 [BW21, MC21b]. **secret** [KCML20].  
**sections** [LS24b]. **sector** [Dru24, FLT20].  
**sectorial** [AS20b, Ala21, MJ24, WMCQ23].  
**Sedentary** [God21]. **segments** [LZ20].  
**Seidel**  
 [ACG<sup>+</sup>21, BWW21, EN24, GKLZ20, LWB24].  
**select** [CRSY22, KHU23]. **selection**  
 [Shi21b]. **self** [AC21, CCK21b, DH21, ES20,  
 IMT20, MMP21, PPŽ21, Pan22, PPŽ23,



SZ22a, SZ20]. **self-adjoint** [DH21, PPŽ21, Pan22, PPŽ23, SZ20]. **self-adjointness** [AC21]. **self-conjugate** [ES20]. **self-dual** [SZ22a]. **self-inverse** [CCK21b]. **self-loops** [IMT20]. **self-similarities** [MMP21]. **selfadjoint** [AMO24, Arl20, CFSiT20, CMM22, GvRR<sup>+</sup>21b, PSW23, dSP24d, SH20]. **selfadjoint-ideal** [PSW23]. **Semi** [CCK21b, AdF20, BKPS23, Elm23, MRZ22, Men22, MXZ20, SBP24, WMCQ23]. **semi-Hilbertian** [BKPS23, MXZ20, SBP24]. **semi-infinite** [Men22]. **semi-invariants** [Elm23]. **Semi-involutory** [CCK21b]. **semi-regular** [AdF20]. **semi-sectorial** [WMCQ23]. **semi-simple** [MRZ22]. **Semiclosed** [ACMM24]. **semidefinite** [AKN23, ANBK22, BGS22, BKR<sup>+</sup>20, CKM20, Fek20, FM20b, GW24a, GNR20, HMPT20, MMN22, NXS23, NN24b, PLT23, Tan23]. **semifields** [LS22]. **semigroups** [AG15, AG20, BS20d, CFKO21, PSW23]. **semimonotone** [CD23a, CD24]. **Seminorm** [MXZ20, Skr24, Wój20]. **seminorms** [CG20, Ime23]. **semipositive** [HS23b]. **semiring** [DY23a]. **Semisimple** [dGL24b, KK20a]. **Semrl** [Roy24]. **sending** [SS23b]. **sense** [ACM20]. **sensing** [Tsa23]. **sensitivity** [Mis20]. **sensors** [KHU23]. **separable** [GLS22, NGK23]. **Separating** [CL20, LM24, Elm23]. **September** [Ano20-49, Ano20-64, Ano21-65, Ano21-60, Ano22-60, Ano22-71, Ano23-58, Ano23-67, Ano24-70]. **Sequence** [AK23, CIMV24, PSRS20]. **Sequences** [AOA23, BGSC24, CER<sup>+</sup>23, FKM20, He20, PWW23, PW19, PW20, SSC24, VS21, VS23]. **Sergeichuk** [SZ22a]. **serial** [KH24]. **series** [BM24, Bur21, Dom20, Jia24, Zha23]. **Sesqui** [KGY23]. **Sesqui-regular** [KGY23]. **set** [BPZ21, CRR20, Cia20b, FPR20, FKM24, GW24b, HJ24, LHK20, LOŠ23, ZTX24].

**Sets** [HHS20a, CP20, CLZ22, CAEH<sup>+</sup>22, ES20, GSV24, GZ20b, HHS21, HJBKR24, HW21a, LNP21, MM21, MM24, MMP21, MRT20, ONW24, Pat20, RW21a, RW22, YLCB21]. **setting** [FP20, JST21]. **several** [CGP24, DF22, HT24a, LLH20, Naj20, QSS22, SS23a, SW23, ZM21]. **SGD** [SDTR23]. **shadows** [CTS23]. **Shannon** [Sra21]. **shape** [CWBB23]. **sharing** [KCML20]. **sharp** [MLH22, MKE<sup>+</sup>20, WG20a]. **sharpened** [LS20c]. **Sheffer** [LMR21]. **shell** [CP23]. **shell-extremal** [CP23]. **shift** [COB22a, CGP24, CN21b, CKLN23, CKLL20, EJLL20]. **shifts** [HJ24, JJLS23, Pik23]. **short** [CWZ22, EN24, SW21, SL20b]. **shortest** [Ste21a]. **Shorting** [Arl20]. **sided** [BB22, KLL22, ONW24, Skr24, WW20]. **sides** [Hal20]. **Sidon** [ZT23]. **sigma** [FISW21]. **Sign** [BD21b, CS20, Das22, RX21, SM23, AG21, BN23, BCOvdD22, BCOvdD23, BBC<sup>+</sup>22b, BS24c, GHL<sup>+</sup>24, JWZ22, KK22b, OQ22, Shi20b]. **sign-real** [BS24c]. **Sign-restricted** [BD21b]. **signatures** [BCP22]. **Signed** [AAM24, ADvdH21, ADvdH23, DYLY24, HSS<sup>+</sup>21, KP23a, RS21b, AAH<sup>+</sup>22, AFG<sup>+</sup>21, AHLvdH21, CH21, CG22, CvDB23, CCK21b, DD20, HT23, LW20a, LW21d, MMN22, MT23, OJQ20, SZ21, Sta23b, SLL22, WH20, WYQ21, WLL23, WHL24, Wan24, WLT22]. **Signless** [CWZ22, GH24, ZWL20a, AdL21, CLZ20, HLS21b, KLR22, LWB20, LQL21, LLWW23, LHH22, MK23, MT21b, Obo22, SSS21, VTBC20, XW21, XZ24, ZXL20, ZHG21, ZWL20b]. **similar** [DBV23]. **similarities** [MMP21]. **similarity** [AdlCPS20, AR21, CN21b, JKX20, TBH20]. **Simple** [GG21, TCB24, dlCS21, Eld22, IIM<sup>+</sup>21, KLLS22, MRZ22]. **simplex** [PSZ21]. **simplices** [FS20, Dev22]. **simplicial** [KMZ20, Kni20, KL21c].



**Simplifying** [Zhe20]. **simultaneous** [Ost23, RZ24, Her20]. **Single** [LY20, Bos24, CLY22, HH23a]. **single-pair** [Bos24]. **Single-pass** [LY20]. **Singular** [Djo21, BF24c, CV21, CJ20, CAJ21, CK23b, Cos21, DV24, DN23, FISW21, Fra22, JK24, KL23, KK22b, KP22, KN20, LS20b, LHK20, LH21, Loe21, MHM24, MQW20, Nay23, Van24b, VCR21, ZS22b]. **singularity** [AHV20, GMP22]. **Sinkhorn** [CN20b]. **SISO** [WES21]. **Six** [CdGS12, CdGS20]. **Six-dimensional** [CdGS12, CdGS20]. **size** [BMR23, BG24, BDK<sup>+</sup>24, CT23, CDG22a, FY23, FPR20, FW22, HLS22, JLW22, LTYZ23, LW24, MP23a, MLH22, Nar23, Rob20, SWW21, ZG22]. **skeleton** [KLR22, dHH23]. **skew** [BHBO21, BDHS23a, Com21, DDD24, Du23, DGS21b, EGV20, GS21a, HBHZ24, KT21, LR23, MP22, MPS24a, PS20, dSP24d, Pri22, QSH22, QWW21, SS21a, Sta20b, Sta23b, TFT20, Uru22, YY23, dICP20]. **skew-adjacency** [Du23]. **skew-eigenvalues** [TFT20]. **skew-Hamiltonian** [SS21a, dICP20]. **skew-Hermitian** [LR23]. **skew-involution** [PS20]. **skew-selfadjoint** [dSP24d]. **skew-symmetric** [Com21, DDD24, DGS21b, EGV20, GS21a, KT21, MPS24a, Pri22, Uru22]. **SKT** [BF24a]. **slice** [AdF20, AY23, GSV24]. **slowly** [Kar24]. **small** [AMO24, Alt22, BMR23, HW21b, PSRS20, Rup24]. **smallest** [Csi22, KGY23, KN20, LW21a, Loe21, LLL22, Obo22, Ran23, SWW21, WWT20, ZLG20]. **Smirnov** [AOCM20]. **Smith** [BS20e, HXZ24, MP23b, Wan21, Wan23]. **Smooth** [Lim22b, BS21a, Lub22, MP20a]. **Smoothed** [NGK23]. **smoothers** [HLW23]. **SNIEP** [MM21, MP23a, MM24]. **Sobolev** [MZ24]. **solution** [MvWC23, ONW24, PS23b]. **Solutions** [GvRR<sup>+</sup>23, BM24, BS21b, Djo23, DL23, EJ23, FKM24, KST22, WvdVvdH24]. **solvability** [Hla24, MP20b]. **solvable** [CNO23, LNN<sup>+</sup>20, LS20b, ORS24]. **solve** [VD22]. **Solving** [EN22, MPS24b, ABCH23, BF21, HLW23, fLLV20, SDTR23]. **Some** [AGH20, ABR<sup>+</sup>22, BB24, Chr24a, Fra20, GK21, Gow20, HVX23, Iop20, KUZ22, Kus23, LHFL20, LH20, MHM24, Miy24, Naj20, Slo20, Slo21a, WG20b, AMO24, AAMR20, APNP<sup>+</sup>21, BSS23, BD21a, BP23a, BdPS21, BO23, BDI20, Bri22, CNO23, CEJM21, Ces20, COB22a, GLLZ20, GAM20, GPR20, HJ24, HM24, Ime23, JLL20b, KZPH22, Li22, Lin24, Los21b, Mar24a, MS24b, OP21, PZ20, Shi20a, TLC20, TWW20, WSW20, ZJCA20, ZC23]. **source** [AMM24]. **space** [AHV20, BS21a, Ban22, BKPS23, BKS<sup>+</sup>21, CFSiT20, CGP21, DN23, FG23a, FP22, GTV24, HT24a, HMPT20, LR23, Mañ22, OM20, dSP20a, SS23a, SIW22, ZW21, hB21, vRRvS24]. **spaces** [ANAS20, ABHR22, BFMS21, BDI20, BKR<sup>+</sup>20, CG23, CG20, CLL24, ĆD20, ĆD23b, DP23, Djo21, FPR20, Fek20, Fra22, GKS21, GHLP24, HN24, IKLP20, IOT21, JN22, KS24a, KNS20, LL24a, MP20a, MORŠ21, MV24, MXZ20, O'L23, ORŠ23, PSRS20, Ran22, Rao21, VMB22, WXY24, Wój22a, ZT23]. **spanned** [BR24]. **spanning** [BEF20, HJBKR24, HWD23]. **sparse** [AK20, ABW22, BR22, CW21, HLW23, HMPT20, Kli20b, KS20b, SLTW22]. **sparseness** [GL20a]. **sparsest** [JKŠ24]. **Sparsity** [BFF<sup>+</sup>23a]. **spatially** [AMM24]. **SPD** [TP23]. **Specht** [Che22, CK24b]. **Special** [BERS24, DP23, GM24, GPR20, Mil24, Mor22, TLC20, AHKT21]. **specified** [AK20]. **Spectra** [BBC<sup>+</sup>22a, CCPKP20, DF20a, DH21, JLL20a, AAMR20, AMS21, BS20c, BR23a, BB24, CN24, CFKO21, Coo20, DDFM<sup>+</sup>21, DP23, FPS22, GK20, HO20, HS22, HBHZ22, JMP21b, KIS21, LW20b, RDFM23, SMA21, SB20, SS21b, WZFW23, WFY24, Zha21, ZS22b]. **spectrahedra** [CEF<sup>+</sup>22, May21, MT22]. **Spectral**



[AAH<sup>+</sup>22, AFS<sup>+</sup>23, BV24, Bou21, CJMP22, CER<sup>+</sup>23, DFS23, DKL<sup>+</sup>22, Des24, DTA23, FOR22, GO24, Gan23, GK22b, GM20, GLMM23, HWD23, KY21, LS20a, LBW23, LW24, O.21, WHM23, WZC23, Wan24, YYS<sup>+</sup>21, ZY24, ZvD21, AOA23, ADGK21, ASS21, AFSS20, AIK<sup>+</sup>24, AdST22, ACLS20, AC24, AC20a, AEGL21, APLN<sup>+</sup>23, BGA22, BC22, BHHP21, BM24, BDGY21, BR22, BCG24, BKPS23, BG24, BEFSC22, Bui22, BS24c, Ces20, CGP24, CLZ20, CWZ22, CLM22, CWYZ23, CWBB23, CT24, CMS21, CZ20b, CDG21, CDG22a, DYB20, DPR20, DW21, Ere21, FY23, FLRS20, FW22, FS23, GS21a, GA21, GMR21, GM23, GLHNW20, GK21, GW24b, GZ20b, GLZ21, HLH23, HBHZ24, HLS21b, HLS22, JGW24, JZZ24, JT24, KT21, KLLW21, KP23a, KPP21, LC20, LMW21, LQ21, LW21b, LY23, LJSZ23, LY24, LZ20, LOS20, LG21a, LZZ23, LS24b, LLX23, LS24d]. **spectral** [LZ21b, LLA23, MK23, MSZ21, MT21b, MLZ24, MLH22, MR21b, O.22, OPPS22, PK21, QJMW23, QQM24, Ram23, ST20, SWW21, Sim20, Sim21, Sta20b, Ste21a, SD20, SD21c, SC23, WSW20, WG20b, WCF21, WS22, WZ23a, XW21, XHW23, XL24, YBW24, YD21, ZXL20, ZWF20, ZW20, ZLG20, ZZ21, ZG22, ZvD23, ZWW23, ZF24, ZHG21, ZHW21, ZL23b, ZKLS20, ZWL20b, ZWL20a, ZBWL20, hB21]. **spectrally** [ANAS20, BSZ24]. **Spectrum** [KK22c, AGNN20, Ban21, BCFT21, CHT20, CGP22, Co021, Cos24, DR20, Fio20, FB21, GH24, HP22, LQL21, LLSV21, MPS22, Mar24a, QWW21, SSP22, Sta23a, Sta23b, XY20c, YW22, ZK21, Zem22, ZLLZ22, Zhe20]. **spheres** [CVV21, LR23, Sol20]. **Spherical** [HW21b, Alf20a, BNS22, Est23]. **spillover** [ADGK21]. **spin** [AD20a, AD20b, FHMP21, FHMP22]. **splines** [BGOO21]. **split** [SSS21]. **splittable** [HB24]. **splitting** [Ayd23]. **spread** [BEHK22, BCE<sup>+</sup>23, Bib22, CL21, LMG20, LLW23, MSZ21, Obo24b]. **spring** [UZ21, VS20]. **Square** [MSX22, vRvSTT21, Bar20, Chi24, CP23, CGMP23, Ghi20, dSP24d, VS20]. **square-integer** [VS20]. **square-summable** [Chi24]. **square-zero** [dSP24d]. **squares** [Boj21, CW21, CKTP20, Hal20, Kor21, KS23b, LV22b, Lyu20, SLTW22, Sha24, SC20a]. **SR** [GSS24a]. **Stability** [BCOvdD22, CT24, GOUY23, SW23, AMO24, AEGL21, BCR<sup>+</sup>23, BBCK24, CW21, CLRT22, Cav21, KP21, LLSV21, Zha24b, LS24b]. **stabilizing** [GG21, KW24]. **Stable** [Com21, ADvdH21, BBCK24, Cav21, CHY20, Kus23, TV21]. **stage** [GO24]. **staggered** [KIS21]. **Standard** [KLR22]. **star** [ARS24, CDM20, CDG22b, DLL23, DHH<sup>+</sup>20, SS21c, GKK<sup>+</sup>20, KKS21]. **star-center** [CDM20]. **star-clique** [DLL23]. **starlike** [Sta23a]. **State** [NPR22, AHM20, ASG22, CW22, GL20b, KS22c]. **states** [CJMP22, CN20a, HX24, KMNP20, KMNP24, KS22c, SS22]. **static** [GS21b, ZK21]. **status** [JST21]. **Steiner** [AS22]. **step** [BDV21, LM22a, WCS20]. **steps** [CN20b]. **Stiefel** [GSS24a]. **Stieltjes** [Kov20, YGW20]. **Stirling** [KNiO23]. **Stochastic** [KŠ22b, AKL<sup>+</sup>21, BC21, BDKM24, BC24a, CZ20b, Djo23, GK20, HT22, KK20b, KK22a, MvWC23, Pra20]. **Storage** [CLLK21]. **straight** [HLS24]. **Strassen** [Rup24]. **strategies** [KH24]. **strength** [HXLL21, RC23]. **strengthenings** [ELW24]. **strict** [DD23b]. **Strictly** [AJM24]. **string** [YGW20]. **Strong** [ARS24, Hla24, ACF<sup>+</sup>24, AGK<sup>+</sup>21, BMP24, BHD<sup>+</sup>21, CS20, DSS24, FHLS22, GS21c, GS23b, LOS20, Wój22b, SPMSC24]. **stronger** [Nay23]. **Strongly** [AEGV21, CCO23, BCD<sup>+</sup>24, GK22b]. **strongly-regular** [GK22b]. **Structural** [AJM24]. **Structure** [Bou24, CPTP21, Ham22, XZ21, Bar22, BGT24, BS21b, Bri22, BF24c, CCU21, EJ23, FKMM21, GTW23,



GFW24, HA24, JJS20b, KT21, KFS21, Lew21, LP21, LR24, Ran22, SMM24].  
**structure-preserving** [GTW23, KFS21, SMM24]. **Structured** [AK20, DL22, SK21a, ADGK21, BCC<sup>+</sup>24, BEFSC22, Cos21, FGM21, GA21, HJBKR24, Kov21, KFS21, LHK20, dSP20b, PS22, RS21a]. **structures** [Ayd23, BDK<sup>+</sup>24, BE20, DLL23, GA22, KK23a, KK23b, Pat20, Tar20, VV22]. **study** [hLqJ21, MHM24, Sim20]. **sub** [GHLP24]. **sub-Bergman** [GHLP24]. **subalgebra** [PGST23]. **subalgebras** [BFLT23, MRZ20, MRZ22, MvWZ24, Mig21]. **subclass** [SNK22]. **subclasses** [Kia24]. **subcubic** [WH20]. **subgraph** [BD21a, FY23]. **subgraphs** [CvDB23, CFM<sup>+</sup>24, LW24]. **subgroup** [BL23]. **subgroups** [Cha24, DHR20, HWK21, VZ20, Zal24]. **subject** [DPR20, OW23, SDS21]. **submajorization** [BMS20]. **submatrices** [BJ20a, BLR21, CKM20, HW21a, RW21a]. **submonoids** [Got20]. **subnormal** [Kim22]. **subproblems** [NN24b]. **subrings** [AM23a]. **subsampling** [ZL23a]. **subset** [Shi21b]. **subsets** [BMR23, Cos24, GMP22, Wer22]. **subshift** [CA22]. **Subspace** [AS20a, AD20a, AD20b, DV24, Ime23, Kin21, LR24, MG24, ZT23]. **subspaces** [BCM21, CGP21, DV24, FIJM24, GGGD23, GNP22, KK20a, LP22, MAG21, MMR24, Pan24, Pol20, RZ24, Rub22, SS21a, Van24b, WW20, Wój22b, XJLL23, Yos21]. **substochastic** [CC22a, JLL20b]. **subtrees** [LBW23]. **Sufficient** [ZWL20b, BCR<sup>+</sup>23, ZBWL20, ZL23c]. **Suleimanova** [GK20]. **Sum** [LNP21, AT21, Bos24, BGLR22, Csi22, DGL23a, ES23, GLT21, GPRT20, Han22, HS23a, HD22, KS20a, KZ23, LV22b, LS23, Onn21, dSP22, dSP24c, TWD20]. **Sum-full** [LNP21]. **sum-of-squares** [LV22b]. **sum-rank** [BGLR22]. **summable** [Chi24, TD22]. **Sums** [Jai21, KS23b, dSP24d, AS20a, Arl20, BM20, CWW24, FK23, FJS17, FJS21, GNP22, KL21b, Kli20a, SZ23b, dICP20]. **sun** [AdST22, SL20b]. **Superalgebras** [IdSSV21, BBNS22, CM23a, CNO23, DN24, FR24, HLS21a, Iop20, KK23a, KLLS22, ORS24]. **supercoalgebras** [KUZ22]. **supereigenvector** [SIW22]. **superinvolution** [DN24]. **supermajorizations** [HM24]. **superpairs** [AO22]. **superposition** [BGSC24]. **superquadratic** [Kia24]. **supervisions** [NMS20]. **supported** [AKPS19, FW24, KAPS20]. **Supporting** [dAdCG<sup>+</sup>21, GLNW24]. **Supports** [MRV20]. **surely** [Roc20]. **surfaces** [Pen24]. **Surjective** [CAEH<sup>+</sup>22, GS20b, Pan24]. **surprising** [Dax23]. **Suslin** [JR24]. **Suzuki** [CWW24]. **SVD** [DP24]. **Swift** [FP23]. **Switching** [EJS24, BBCE21, GKLZ20]. **Sylvester** [AdF20, BF21, Djo21, Lim22a, Pra20, Sas21]. **Symbol** [BDF23, BDvW24, GtHJR24, SSC24]. **symbols** [BGSC24, BEFSC22]. **Symmetric** [BŠ23c, CP21, FR24, Kim20, O’L23, Uch23, Uru22, AFK<sup>+</sup>23, AD20a, AD20b, BGS22, BS24a, BMR23, Bib22, BGOO21, BR21, BU24, CEJM24, CJMP22, CN21b, CL24, Com21, CKM20, DDD24, DBV23, DJ23, DGS21b, EGV20, EJLL20, FMR20, FG20, GS21a, Gal21, GK20, HH23b, HLYZ21, JZZ24, JMP21b, KT21, KKM22a, KNS20, Kor21, KLL22, KLLS22, LW21a, Lee20, LOŠ22, MC21a, MPS24a, Moh22, MO20, Nag23, PŠ23a, PV21a, PS22, Pri22, Rod21, SZH22, Ste22a, SW21, Van24a, Wei22, Win21]. **symmetries** [AP20, LDW21]. **Symmetrizable** [MS20a, Sim20]. **Symmetry** [GLZ20, SS22, BHW24, FKMM21, GA22, HT24a, RW24]. **Symplectic** [Ayd23, DV24, AdIC20, BFLT23, BJ20b, EV20, GSS24a, GT21,



HM24, IGW17, Jai21, J LX22, Mis20, dSP24a, dSP24b, dSP24c, ŠH21a, SZ23a, SMM24, Zal24, Zem22, d lCP20, d lCS21]. **system** [ABCH23, BCOvdD22, BCOvdD23, DMQV24, FGM21, Ros22]. **Systematic** [Ner20]. **systems** [AMM24, AOCM21, BH24, BPZ21, BW21, BDN24, Bri22, CMS21, Com21, DYT22, DG24, De 20, DK21, GP21, GJ23, HLW23, HMPT20, Hla24, IB22, JN22, Kak20, KHU23, LPS23, Lew21, LH21, LG21b, Mar24a, MMW21, MPS24b, ONW24, Rei23, RW22, SDTR23, ŠH21b, SV21, WXL24, XJLL23, ZK21, Zem22, ZS22b]. **syzygies** [BT20b]. **Szego** [Fik20, FP21].

**T** [hLqJ21]. **T-eigenvalues** [hLqJ21]. **T.** [ACM20]. **tableaux** [KK20a]. **tables** [PP20]. **taking** [AT24]. **talented** [BS23a]. **tame** [dBS20]. **tau** [EGJP21]. **technique** [KL21b, Sim20]. **techniques** [CLY22]. **Tensor** [AY23, HK20, AAPC<sup>+</sup>24a, AAPC<sup>+</sup>24b, AOCM20, Bar22, BZZ22, Buc20, CLL24, GFW24, KKM22a, Kye23, LS22, LDZ21, Mar21, MQW20, PS24b, SDS21, XX20, ZBdAF20]. **tensors** [BBBT24, BC24b, CL24, DKN24, DYB20, DBV23, GLZ20, HLYZ21, KZPH22, hLqJ21, Miy24, MO20, Rod21, Rup24, SZH22, YLCB21]. **term** [FdCP20, PWW23]. **terms** [AAFM23, AMM24, CLL20, CLT22, DW21, FLRS20, HHD20, LW21c, NWW20, NYW22, Pan24, WWT20, WWJ20, WG20a, WZX24, XWT20, ZWL20b]. **ternary** [AC20b]. **Terwilliger** [FM20a, LIW20]. **tessellable** [KIS21]. **test** [BG24]. **Testing** [Ans21]. **tetradiagonal** [BFMM23]. **tetrahedrally** [De 20]. **tetrahedron** [Mor22]. **th** [AS24a, CW23a, CW23b, GZZ21, GvRR<sup>+</sup>21b, dSP20a]. **their** [AKN23, AM23b, AGNN20, Ala21, AAM24, ADMZ21, Aou24, APLN<sup>+</sup>23, BDSS21, BC21, BKLT23, BHW24, BCR20, CLRT22, CD24, CWBB23, CIM22, Coh20, CDG22a, DJ22, DN20, FLRS20, Fid22, FN23, HS23a, HS22,

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[AAPC<sup>+</sup>24a].

**Araujo:2022:MTI**

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G. Averkov, A. Chavez, J. A. De Loera, and B. Gillespie. The lattice of cycles of an undirected graph. *Linear Algebra and its Applications*, 611(??):213–236, February 15, 2021. CODEN LAAPAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379520305103>.



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- [ACM20] **Arias:2020:COS**  
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**Abiad:2023:BSM**

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[AG24]

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**Arambasic:2021:OPM**

[AGK<sup>+</sup>21]

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**Anonymous:2020:EBf**

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**Anonymous:2020:EBj**

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**Anonymous:2020:EBo**

[Ano20o]

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**Anonymous:2020:EBp**

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**Anonymous:2020:EBs**

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**Anonymous:2020:EBt**

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**Anonymous:2020:EBv**

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**Anonymous:2020:EBw**

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[Ano20y]

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[Ano24j] **Anonymous:2024:EBj**

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[Ano24q]	Anonymous. Editorial Board. <i>Linear Algebra and its Applications</i> , 688(?):i, May 1, 2024. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <a href="http://www.sciencedirect.com/science/article/pii/S0024379524001071">http://www.sciencedirect.com/science/article/pii/S0024379524001071</a> .	[Ano24u]	Anonymous. Editorial Board. <i>Linear Algebra and its Applications</i> , 690(?):i, June 1, 2024. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <a href="http://www.sciencedirect.com/science/article/pii/S0024379524001423">http://www.sciencedirect.com/science/article/pii/S0024379524001423</a> .
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[Ano24-58]

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[Fek20]

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[Fid22]

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[Fio20]

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cal matrix. *Linear Algebra and its Applications*, 680(??):83–92, January 1, 2024. CODEN LAAPAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379523003762>. [FK21]

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[FJS17] Shaun Fallat, Charles R. Johnson, and Alan D. Sokal. Total positivity of sums, Hadamard products and Hadamard powers: Results and counterexamples. *Linear Algebra and its Applications*, 520(??):242–259, May 1, 2017. CODEN LAAPAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379517300411>. See corrigendum [FJS21]. [FK23]

**Fallat:2021:CTP**

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[FKKM22] Bernd Fritzsche, Bernd Kirstein, Susanne Kley, and Conrad Mädler. The Weyl matrix balls corresponding to the matricial truncated Hamburger moment problem. *Linear Algebra and its Applications*, 651(??):230–311, October 15, 2022. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379522002191>. [FKM24]

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[FKRvS24]

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*cations*, 597(??):33–45, July 15, 2020. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S002437952030149X>.

**Fu:2020:NIS**

[FLT20]

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[FM22b]

Shaun Fallat and Seyed Ahmad Mojallal. On the minimum number of distinct eigenvalues of a threshold graph. *Linear Algebra and its Applications*, 642(??):1–29, June 1, 2022. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379522000441>.

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[FMR20]

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[FOP22]

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[FOR22]

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[GW22]

[GW24a]



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- [GW24b] **Greenbaum:2024:CSS** Anne Greenbaum and Natalie Wellen. Comparison of  $K$ -spectral set bounds on norms of functions of a matrix or operator. *Linear Algebra and its Applications*, 694(?):52–77, August 1, 2024. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379524001484>.
- [GWW21] **Gau:2021:NRF** Hwa-Long Gau, Kuo-Zhong Wang, and Pei Yuan Wu. Numerical ranges of Foguel operators. *Linear Algebra and its Applications*, 610(?):766–784, February 1, 2021. CODEN LAAPAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379520304948>.
- [Gye23] **Gyenti:2023:PPC** Bálint Gyenti. On a preserver problem concerning Kubo–Ando means of positive operators. *Linear Algebra and its Applications*, 665(?):404–419, May 15, 2023. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379523000563>.
- [GZ20a] **Golyandina:2020:BDC** Nina Golyandina and Anatoly Zhigljavsky. Blind deconvolution of covariance matrix inverses for autoregressive processes. *Linear Algebra and its Applications*, 593(?):188–211, May 15, 2020. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379520300641>.
- [GZ20b] **Guglielmi:2020:ATS** Nicola Guglielmi and Marino Zennaro. An antinorm theory for sets of matrices: Bounds and approximations to the lower spectral radius. *Linear Algebra and its Applications*, 607(?):89–117, December 15, 2020. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379520303761>.
- [GZ20c] **Guo:2020:GOB** Wan-Ming Guo and Bao-Xuan Zhu. A generalized ordered Bell polynomial. *Linear Algebra and its Applications*, 588(?):458–470, March 1, 2020. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL



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Chris Godsil and Xiaohong Zhang. Fractional revival on non-cospectral vertices. *Linear Algebra and its Applications*, 654(??):69–88, December 1, 2022. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379522003081>.

**Galvin:2023:TNN**

[GZ23]

David Galvin and Yufei Zhang. Totally non-negativity of a family of change-of-basis matrices. *Linear Algebra and its Applications*, 676(??):88–103, November 1, 2023. CODEN LAAPAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379523002690>.

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[GZZ21]

Shi-Cai Gong, Peng Zou, and Xiao-Dong Zhang. Each  $(n, m)$ -graph having the  $i$ -th minimal Laplacian coefficient is a threshold graph. *Linear Algebra and its Applications*, 631(??):398–406, December 15, 2021. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379521000689>.

<http://www.sciencedirect.com/science/article/pii/S0024379521003463>.

**Hildebrand:2024:SCC**

[HA24]

Roland Hildebrand and Andrey Afonin. On the structure of the  $6 \times 6$  copositive cone. *Linear Algebra and its Applications*, 693(??):22–38, July 15, 2024. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379523000459>.

**Hamedani:2019:EHH**

[HAD19]

Ali Memar Hamedani, Rahim Alizadeh, and Silvestru Sever Dragomir. An extension of Haagerup–Harpe inequality. *Linear Algebra and its Applications*, 577(??):69–77, September 15, 2019. CODEN LAAPAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S002437951930179X>. See corrigendum [Ali20].

**Haemers:2021:HRB**

[Hae21]

Willem H. Haemers. Hoffman’s ratio bound. *Linear Algebra and its Applications*, 617(??):215–219, May 15, 2021. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379521000689>.



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- [Han22] **Hansen:2022:NPS**  
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- [Har22] **Hari:2022:QCC**  
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PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379520304122>.

**Hu:2024:NSL**

[HB24]

Zhiguang Hu and Haichuan Bai. A note on splittable linear Lie algebras. *Linear Algebra and its Applications*, 700(?):26–34, November 1, 2024. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379524003069>.

**Hu:2022:SRM**

[HBHZ22]

Dan Hu, Hajo Broersma, Jiangyou Hou, and Shenggui Zhang. The spectra of random mixed graphs. *Linear Algebra and its Applications*, 653(?):320–338, November 15, 2022. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379522002968>.

**Hu:2024:SSR**

[HBHZ24]

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[HCZ20]

Yuan Hou, An Chang, and Lei Zhang. A homogeneous polynomial associated with general hypergraphs and its applications. *Linear Algebra and its Applications*, 591(?):72–86, April 15, 2020. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379520300057>.

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Tian-Xiao He. Half Rior-dan array sequences. *Linear Algebra and its Applications*, 604(?):236–264, November 1, 2020. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379520303104>.



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[Her20]

Peter Herbrich. Zeta-equivalent digraphs: Simultaneous cospectrality. *Linear Algebra and its Applications*, 602(??):281–299, October 1, 2020. CODEN LAAPAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379520302214>. [HHD20]

**Havelkova:2023:IHR**

[HH23a]

Eva Havelková and Iveta Hnětynková. Iterative hybrid regularization for extremely noisy full models in single particle analysis. *Linear Algebra and its Applications*, 656(??):131–157, January 1, 2023. CODEN LAAPAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379522003457>. [HHS20a]

**Hu:2023:LMN**

[HH23b]

Yanan Hu and Zejun Huang. Linear maps on nonnegative symmetric matrices preserving the independence number. *Linear Algebra and its Applications*, 670(??):154–167, August 1, 2023. CODEN LAAPAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379523001441>. [HHS20b]

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Lorenz Halbeisen, Norbert Hungerbühler, and Salome Schumacher. Sets and multisets of range uniqueness for polynomials. *Linear Algebra and its Applications*, 589(??):39–61, March 15, 2020. CODEN LAAPAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379519305221>.

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Mark Hunnell, John Hutchens, and Nathaniel Schwartz. On involutions of type  $O(q, k)$  over a field of characteristic two. *Linear Algebra and its Applications*, 593(??):228–250, May 15, 2020. CODEN LAAPAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379520300653>.



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Lorenz Halbeisen, Norbert Hungerbühler, and Salome Schumacher. Magic sets for polynomials of degree  $n$ . *Linear Algebra and its Applications*, 609(??):413–441, January 15, 2021. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379520304481>.

[HJ24] **Hu:2024:PSS**

ChaoLong Hu and YouQing Ji. Power set of some quasinilpotent weighted shifts on  $\ell^p$ . *Linear Algebra and its Applications*, 686(??):111–133, April 1, 2024. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379524000193>.

[HJBKR24] **Hare:2024:UOS**

Warren Hare, Gabriel Jarry-Bolduc, Sébastien Kerleau, and Clément W. Royer. Using orthogonally structured positive bases for constructing positive  $k$ -spanning sets with cosine measure guarantees. *Linear Algebra and its Applications*, 680(??):183–207, January 1, 2024. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379523003798>.

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Jinmi Hwang and Sejong Kim. Tensor product and Hadamard product for the Wasserstein means. *Linear Algebra and its Applications*, 603(??):496–507, October 15, 2020. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379520303232>.

[HKK24] **Hochstattler:2024:KTC**

Winfried Hochstättler, Sophia Keip, and Kolja Knauer. Kirchberger’s theorem for complexes of oriented matroids. *Linear Algebra and its Applications*, 693(??):288–296, July 15, 2024. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379523003385>.

[HKS23] **Huang:2023:RDM**

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**Huang:2020:IM**

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**Hladik:2024:SSR**

- [Hla24] Milan Hladík. Strong solvability of restricted interval systems and its applications in quadratic and geometric programming. *Linear Algebra and its Applications*, 693(?):4–21, July 15, 2024. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379522004645>. [hLqJ21]

**Hu:2023:DCM**

- [HLH23] Yarong Hu, Zhenzhen Lou, and Qiongxiang Huang. Disproof of a conjecture on the minimum spectral radius and the domination number. *Linear Algebra and its Applications*, 677(?):237–253, November 15, 2023. CODEN LAAPAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379523003038>. [HLS21a]

**Hu:2024:MGG**

Yarong Hu, Zhenzhen Lou, and Wenjie Ning. The  $Q$ -minimizer graph with given independence number. *Linear Algebra and its Applications*, 685(?):1–23, March 15, 2024. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379523004664>.

**Liu:2021:SET**

Wei hui Liu and Xiao qing Jin. A study on T-eigenvalues of third-order tensors. *Linear Algebra and its Applications*, 612(?):357–374, March 1, 2021. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379520305292>.

**Higham:2021:IMF**

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- [HLS21b] Peng Huang, Jianxi Li, and Wai Chee Shiu. Maximizing the signless Laplacian spectral radius of  $k$ -connected graphs with given diameter. *Linear Algebra and its Applications*, 617(??):78–99, May 15, 2021. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379521000343>.

**Huang:2022:MSR**

- [HLS22] Peng Huang, Jianxi Li, and Wai Chee Shiu. Maximizing the  $A_\alpha$ -spectral radius of graphs with given size and diameter. *Linear Algebra and its Applications*, 651(??):116–130, October 15, 2022. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379522002440>.

**Huang:2024:CSL**

- [HLS24] Zejun Huang, Chi-Kwong Li, and Nung-Sing Sze. Constructing a straight line intersecting four lines. *Linear Algebra and its Applications*, 683(??):201–210, February 15, 2024. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379523004445>.

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- [HLW23] Yunhui He, Jun Liu, and Xiang-Sheng Wang. Optimized sparse approximate inverse smoothers for solving Laplacian linear systems. *Linear Algebra and its Applications*, 656(??):304–323, January 1, 2023. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379522003561>.

**Hong:2020:CEG**

- [HLX20] Zhen-Mu Hong, Hong-Jian Lai, and Zheng-Jiang Xia. Connectivity and eigenvalues of graphs with given girth or clique number. *Linear Algebra and its Applications*, 607(??):319–340, December 15, 2020. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379520303888>.

**Huang:2021:DHD**

- [HLYZ21] Hua-Lin Huang, Huajun Lu, Yu Ye, and Chi Zhang. Diagonalizable higher degree forms and symmetric tensors. *Linear Algebra and its Applications*, 613(??):151–169, March 15, 2021. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379520305851>.



**Huang:2023:CMF**

[HLYZ23]

Hua-Lin Huang, Huajun Lu, Yu Ye, and Chi Zhang. Centers of multilinear forms and applications. *Linear Algebra and its Applications*, 673(??):160–176, September 15, 2023. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379523001891>.

**Hou:2017:EIM**

[HLZ17]

Xin Hou, Shangzhi Li, and Qingqing Zheng. Expressing infinite matrices over rings as products of involutions. *Linear Algebra and its Applications*, 532(??):257–265, November 1, 2017. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379517304111>. See corrigendum [Hou20].

**Huang:2024:MSS**

[HM24]

Shaowu Huang and Hemant K. Mishra. Majorization in some symplectic weak supermajorizations. *Linear Algebra and its Applications*, 703(??):1–10, December 15, 2024. CODEN LAAPAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379524003471>.

**Heuer:2020:BSR**

[HMPT20]

Janin Heuer, Frederic Matter, Marc E. Pfetsch, and Thorsten Theobald. Block-sparse recovery of semidefinite systems and generalized null space conditions. *Linear Algebra and its Applications*, 603(??):470–495, October 15, 2020. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379520303190>.

**Huang:2021:WFO**

[HMS21]

Jiahui Huang, David McKinnon, and Matthew Satriano. What fraction of an  $S_n$ -orbit can lie on a hyperplane? *Linear Algebra and its Applications*, 613(??):1–23, March 15, 2021. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379520305656>.

**Howell:2024:INV**

[HN24]

K.-T. Howell and Nancy Ann Neudauer. On independence in near-vector spaces and their matroids. *Linear Algebra and its Applications*, 693(??):339–361, July 15, 2024. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379523004081>.



**Hertrich:2021:CPN**

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Johannes Hertrich, Sebastian Neumayer, and Gabriele Steidl. Convolutional proximal neural networks and Plug-and-Play algorithms. *Linear Algebra and its Applications*, 631(??):203–234, December 15, 2021. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379521003372>.

**Haemers:2020:USD**

[HO20]

Willem H. Haemers and Mohammad Reza Oboudi. Universal spectra of the disjoint union of regular graphs. *Linear Algebra and its Applications*, 606(??):244–248, December 1, 2020. CODEN LAAPAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379520303621>.

**Homma:2020:FPF**

[Hom20]

Masaaki Homma. Fragments of plane filling curves of degree  $q + 2$  over the finite field of  $q$  elements, and of affine-plane filling curves of degree  $q + 1$ . *Linear Algebra and its Applications*, 589(??):9–27, March 15, 2020. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379520303621>.

[Hou20]

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**Hou:2020:CEI**

Xin Hou. Corrigendum to “Expressing infinite matrices over rings as products of involutions” [Linear Algebra Appl. **532** (2017) 257–265]. *Linear Algebra and its Applications*, 587(??):387–391, February 15, 2020. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379519304896>. See [HLZ17].

**Howlader:2022:DSM**

[HP22]

Aditi Howlader and Pratima Panigrahi. On the distance spectrum of minimal cages and associated distance biregular graphs. *Linear Algebra and its Applications*, 636(??):115–133, March 1, 2022. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379521004201>.

**Haviv:2023:BRC**

[HP23a]

Ishay Haviv and Michal Parnas. The binary rank of circulant block matrices. *Linear Algebra and its Applications*, 656(??):277–303, January 1, 2023. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379521004201>.



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- [HP23b] **Hosseinzadeh:2023:MPA** Roja Hosseinzadeh and Tatjana Petek. Maps preserving the ascent and descent of product of operators. *Linear Algebra and its Applications*, 671(?):109–120, August 15, 2023. CODEN LAA-PAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0024379523001337>.
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**Marco:2022:ACC**

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