A Complete Bibliography of Publications in the SIAM Journal on Matrix Analysis and Applications

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Title word cross-reference

(0, 1) [BH96]. (A, B, C, D) [CMT09].
(AR − LB, DR − LE) = (C, F) [Kåg94].
(Lr, Lr, 1) [De 11]. (Lr, n, Lr, n, 1)
[SD15a, SDD15]. (λ, µ) [JKM11]. (R, S)
[Tre05]. (r1, r2, r3) [ES09]. 0 [Ho90]. 1
[BLW15, BV00, BH96, Har99, HT00, Ho90, KR02, NW14]. 2
[BBM02a, CO12, EK96]. 3
[BB12]. 4
[HY00]. A [VV89, Car94, WZ91]. A(k)
[Art96]. A + µB [JKM11]. A = UPD [Eir00].
A^b [Gri88]. A^m − A^n = IJ [Ho90].
A^T X ± X^T A = B [Bra98]. AX − XB = C
[BHH88]. AX = B [yPWjP12]. Ax = λBx
[WZ91]. AX ≈ B [HPS+11, HPS13, VV89].
AXB + CYD = E [LBL05, Ozg91].
AXB^* + CYD^* = E [SC03]. B
[Ste10b, WZ91]. BR [GHW99]. BXAT = T
[DHZ03]. Cp [FP98]. G [JMWA96]. H2
[BB12]. χ^2 [MH13a]. cp [SMBJS13, BU15].
CUR [DMM08]. D
[KMS01, KMS03, GS15]. G
[LT89, NSC10]. H
[AYLR04, AH07, KL98b, LG06]. H∞
[HLT12]. H∞ [GGO13, FSV14]. HR [Sle90].
I ⊗ A [Gre05]. I × J × 2 [SD09]. K
[Car94, Yas03, BT06, GGL04, KM16, Kon00,
Pro13, Sor92]. L [Stu91]. λ [CLS88, JKM11].
LDLT [Tum02]. LDL^T [Tum02]. LDU [CKR08]. LR
[Gem98, Sle09, Xu98]. LTI [Ver96]. LU
[AP02, BFM03, BT02, DD97, DM05, GL93,
Abscissa [FL99, GO11, HGC00, KV14].
Absolute [CO99, EI98]. Accelerate [RCH08]. Accelerated [LG14 + 14, TP14].
Accelerating [BJM05]. Acceleration [BRZ06, EN92, PS08, SK16, AdH88].
Accuracy [CD14, CD15, CHKL01, DMM03, GKX94, GJTP12, Gre97, GS00b, JR08, Mat09, Par05, HL06].
Accurate [AGL98, Bar02, BPE94, BV01, CGCD13, DP15, DV92b, Dem99, DK05, DM04, DK06, DJ00, Drm00a, DV08c, DV08d, EKX93, HB12, Hey95, Ips06, Ips09, Koe05, Koe07, Mas94, Mat95a, Og10, PM06, Ra09, SGX14].
Accurately [Fer98].
Acquired [OS10]. Acquired [KP08].
Active [FP99, Bar08, Dan91, DSZ14, KM14, Lu10, LE02, SB98, Cri88].
Addendum [GI97, Ste02]. Addition [BT13]. Additive [BPS05, BW93, FS97, Zab91].
Adjacency-Spectral [FST+13]. Adjoint [Cao09, LP01, Lie08, Rod05, ZAK13, vdMS05]. Adjustment [BX05]. AE [Pop12].
Affine [BW95, CS06c, Fay95, Gow90, Gow96].
Affine-Scaling [Fay95]. After [Far16].
Again [Mac95]. Aggregation [Not06, Pul13, SST05, HJ89].
Aggregation-Based [Not06, SST05].
Aggressive [BBM02b, KK07, Kre08, NAY12].
Aggressively [SGX14]. Ahead [GR00, SK95, CH92, CH93a]. AIMD [WSS10].
Algebra [BDHS11, BSvdD95, BF93, BF95, BCGG10, De 06, DD08, DD99, MG92, NV94, Rau02a, Rau02b].
Algebraic [BP08, Boll90, BM02, BW99, CT08, DYH06, DG91b, DG91c, DLMT13, EZ95, FL02, FT14, FV98, FS97, GGV05, dMG14, Guo98, GL00b, GL00a, Guo01b, GH07b, GIM08, JL98, JOAKt10, Kap90, KP99, KM96, LwCK13, LgS02, LX12, Lu05, MOR16, Neu00, Not06, Pap00, PS05, Pul13, SKP11, gS98b, Sun04, VF00, VZ06, gWcWL12, XLS16, CRR93, San88, Sch95a].
Algebraically [RW01].
Algorithms [BD95, CO99, Di 09, Di 00, KHH04, MMT08, Tam99]. Algorithm [ALAK94, AA94, AMM08, AMH10, ADD96, Arg15, AB01, BOCL97, BES05, BLW15, BEG*09, BP92, Bor14, BBM02a, BBM02b, BMG06b, BMT04, CM03, Cav94, C95a, CS96b, CG98, CGG99, Cha00, CGS+08, CH98, CGG+09, COV14, CG15a, CB00, DBW15, DW06, DH03, Day97, DV07, DL99, DMM03, DV08c, DV08d, EK99, FHI15, FL10, FLM12, FM03b, Fuh07, GH99, GNP94, GHWH90, GD11, GPS90, GL94, GE94, GE95a, GgbCC03, GO06, GOS15, Guo02, Guo03, GIM08, GHT10, GL10, HN90, HO94, HB12, HW98, HMR01, HR95, HTO0, HL11, HL13, HG14, IM13, IK06, IAV13, IM16, JR99, JS94, KK07, Kau93, KLAS1, KH94, Kno08, KR01, Kre08, KW94, LHC16, LG1+14, LH05, LZ10, MM11, Mar11b, MLV00, MT10, Mel01, MM09, MVM92, NRT92b, OW06, PYHK93].
Algorithm [Par99, PO03, QXX14, RD95, RST10, RS08, SK95, Sen98, SB05, Sle09, Sm03, ST01, Spe98, Ste01, Ste02, Ste05, Ste06, Tas15a, Tur03, Usc12, V91, Van11, VV12, Ven93, WZ91, gWcWL12, Wat95, Wat00, WL12, XK94, YP98, Yal00, ZS14, ZBJ15, ZH12, ZZ8b, ZS07, Ban98, CIL96b, CH92, CH93a, CM02, CM92b, DY90, Fuh88, G9M95, GE95b, MT89, Qia88].
Algorithmic [BBGL92, EL08, GG13].
Algorithms [AG91b, AG92, AD+98, Auc91, BM00, Bér09, BEGG07, BG13, CE02, CG03b, CD+05, CD13, C92, CB00, DN08, DJST05, DM04, Drm00a, DK99, DK01, EAS98, Gem98, G15, GXX94, GQ14, GTPV16, Gu98b, Gu98e, GO11, Gup02, Gut92, Gut94, HM89, HR04, Hig90b, HLQ09, HH88, KW92, LX06, Lu95, MV14, Meh04, Meh08, MP12, MP91, MHH94, NS94, NY95, Ost10, PM06, PTC13, PGVR98, RG05, Saa06, SKP11, SDD15, ST14, Swe93, Vav94, ...
VS14, WE91, Wat93, WE94, Wat98, Wat92a, XX16, Xia12, Xu98, Yan98, ZSZ02, ZFW07, ZLN10, ZGP10, BBD95, BDV99, KP92, Pan91, Pea88, SB98, [KOSvdD07].

Almost [KOSvdD07].

Almost-diagonal [HD97]. Alternating [BST16, DN08, GHHW90, HXY11, KP08, UsC12, gWeWL12, WC14, WCY15].

Alternating-directional [gWeWL12].

Alternative [BES05, BE10]. Among [BHH +08, Mat05, GPTPV16].

Anal [Ano11, CH93a, GI97, HC89b, WW08, Zha95]. Anal. [Ikr97].

Analogue [CH88].

Analyses [CPS97, CP98, PGVR98].

Analysis [Afs08, AB01, AKP08, Bar93a, BH90, BH93, BGSC07, BvdG11, BC10, BCW12, CG03a, CG95a, CGP09, Che01a, CL09, CLN12, CCG+09, CGH11, CS10b, DHT01, DSSC11, EZ95, FT14, Fie96, FC01, GSCS15, GP97, Gil13, GS06, GGV05, GS10b, Gow96, Guo95, Guo02, HHRV99, HJ0vdD93, Hig90b, HHC03, HC15, HK12, HKBM08, IK06, IS07, JJ03, Kåg94, KS03, KN09, KPC94, KMP01, KM11, LVV16, Lew96, Lew99, LgS02, LX06, LSB16, LS95, LT94b, MOR16, MT15, MM09, MS03, Nap13, NOZ11, NZ16, Not93, Not14, PP05a, PP05b, Pul13, RR06, RST01, Saa97, Saa16, SSt06, Ste05, Ste06, Ste11b, Sun95a, Sun96, Sun04, VV88, VV89, Wat92a, Wei92, We11, WL12, XE10, YC97, YLA97, Zha93a, ZZ01, ZSZ02, ZLN10, CM89, CM92b, DB88, HC89a, HC89b].

Analytic [AH01, CR10, He99, LMZ03, W108].

Analyticity [QCT15]. Ando [Zh04].

angle [Sal88]. Angles [BL91, CS96a, Drm00b, KA07, ZQ10]. Anti [FMRR13, Ver96]. Anti-Causal [Ver96].

Anti-Gauss [FMRR13].

antiferromagnetic [CRR93]. Antinorms [GZ15].

Antitriangular [CLN12, MV13, PW14b]. Any [AKP08, CT99, GPS96, Pai09, TM12].

Apart [Rum15]. Appearing [LW05]. Appl [Ano11, CH93a, GI97, HC89b, Ikr97, WW08, Zha95]. Application [AMH09, AH14, BG15, Bez12, BM01, CR96, CS01, CS10b, FMRR13, GPM03, GS06, GP16, HM04a, HR00, HT00, HHLW13, Ian09, KS03, KMS01, KMS03, Li99, LF02b, LY03, LV10, LK95, Mau99, Mat97a, MS10, PAP00, PL14, RBB90, Rie92, SWYM96, Sid95, SEM13, Sor92, TFL11, WA07, JN89, MP88].

Applications [AJRS13, Alt13, Arg15, AL98a, AB13, BO96, Bar93b, BBT06, BKS08, BLO03, BCGG10, Cap00, CCJ+00, Che98, CCZ97, CDH12, DCM08, DG91a, DJ09, EGK91, EJK09, FPST13, FNS08, GLS12, HCN90, IUM14, JJ03, JW11, JK011, KBHH13, Kni08, KA10, KH13, KS12, LLZ09, LQ05a, Lin07, Mat93b, Mat96, NP99, Pe01, PGVR98, RE13, Sa06, SZ07, SB01, TL06, TH01, Tsn93, WCW10, ZQZ14, ZZLY02, ZR95, AG88b, Fh88, GBCW89, KN94].

Applied [DFT92, EN08, MR97, RRS09, WA03].

Approach [BE07, BL94, Bor09, BET02, BEGM05, CSX15, CG03a, CH06, Cle00, CF00, Dax08, DG91b, DG91c, DEG+99, EEE07, EEE09, Fri05, GL99, GRT07, GT02, IUM14, IM16, KO05, KB90, KN09, Mal04, Mim00, Moa05, Neu00, PAP00, Pil94, PR12, PBJ10, TETA05, VF00, VGV09, VT10, WE90, vWWM95, BV88].

Approximability [HHSW97]. Approximants [BL94, CM93, Hig01, Bas89]. Approximate [ADD96, Beb06, BM02, BS02a, BS02b, Che01a, Dav08, GHL03, HO10, HM97, IKSG10, JT98, Jol08, LC16, LBL05, MS03, Pha01, SEM13, gS96, Tan99, TW00, TP14, XG10, vD99, KY93]. Approximately [GN13]. Approximating [CHKL01, DPP13, VV15, PS08].

Approximation [Arg15, AK90, AR93, Asw16, Bai05, BG15, BRZ06, BV95, Cap98, CS09, Chu91, CG98b, CP03c, CDL05, DDV00b, DP00, DK98,
Approximations
[BN05, BD09, CG03a, Dax08, DMR09, FT07, FKLR13, GR93, GLV10, GHR95, HB12, JKN11, LT09, MHG15, NNP04, NW14, NST15, RP10, Sid95, Ste13, ZSZ02, ZSZ04].

Arbitrarily
[Rum15, Rum91].

Arc
[JH88, JP94].

Arising
[BM96, BM06, CGS94, DS16, ES08, GMPS92, GT111, GV99, GdlI08, GKL12, HV05, HLM90, HKBM08, LX12, Lu05, MP11, Vof99, FGS96].

Arithmetic
[AS93, BD93, CR16, DJ00, HK95, JR13, Tis01a].

Arithmetic-Geometric
[BD93].

Arnoldi
[BS05, BR08, CBR05, CZ02, Emb09, FS10, FGS14b, HLV05, Huc94, JMM14, KO14, LSH96, LSH97, MR97, Mee09, Mor00, Nov11, RST01, Sor92, Ste10b, TM12, XE12].

Array
[MV93, Rau02a, Rau02b, YB91].

Arrays
[Cho10, GMBS12, LRA93, OST08, Ste08, SD09].

Arrival
[Par94].

Arrow
[AG92].

Aspects
[ZZTA02].

Aspects
[EL08, LPT10].

Assignment
[AD98, BMU99, FP98, GP97, Mee09, Sun01, Tiz01a, CM89, CM92b, CH99, CH00, CH99, HH92, HH98, HLT08, JTP10, KZ10, LC15a, LV16, NH12, PRS06, RJ14, Rum95, gSS97, gS98a, gS00a, Sun04, Tiz01a, Var94, WX07, ZS14, ADD89].

Bad
[Pan16].

Balance
[AK90, BMMT10, CFL07, HMP94, PR88].

Balancing
[EN08, KKS97, LV06].

Band
[AG91b, BGKS99, CD98, HPS15, NBP99, NV02, ZZTA02].

Banded
[BS15, BM99, CG03b, DK08a, GLS12, HB94, IT06, JP93, Kas93, TS99].

Bandwidth
[RS06].

Banks
[CMPP03, HM04a, Jia01].

Barabanov
[GZ15, MOR12].

Bareiss
[BBD095].

Barycentric
[Law13].

Based
[AT07, AR93, Bar08, BB12, Ber09, BDG15, BK5, Bar09, BCM95, CCR05, CCJ99, CH98, DVO98a, FGS14b, GR00, GM13, HJP03, IAVD11, KO05, KOP89, MMD08, MJM11, Not06, PGT13, SZ99, SAI16, SGT05, SKP11, SB05, TMN10, HK12, JMW96].

Bases
[BBD14, BD111, EM10, MP12, NS94, SV93, vDS05].

Basis
[BB95].

Basis-Kernel
[BB95].

Bayesian
[BD91b, DD13a, Fer97, LF02b, MLV00, ZZ02].

Basis
[BB95].

Bauer
[wC03].

Behavior
[BC95, BLO07, NA98, ROG05, TAM97].
TM12, GS92, Sun89]. Behaviour [Drm96]. Being [Mas94]. Benford [BHKR11]. Bernstein [DP10, DP15]. Best [DDVo0b, ES09, ES11, Fei94, GH92, IAVD11, IAV13, JK15, KR02, Lás94, Lee96, LBL05, LT09, NW14, Qi11, RHE14, SS10, ZLQ12, dSL08]. Beta [DK08b]. Between [CG96, FNVo8, KA07, Pei98, Xu98, BS02b, CG92, CF02, De 06, Drm00b, FN04, Lim13, PP05b, YL16]. Bezout [HH93]. BiCG [Gut14, Sim97]. BiCircle [GW07]. Bidiagonal [Bar02, Fer98, GL05, GE95a, JOvdD01, JOvdD04, LGC+14, Par05, WLV06]. Bidiagonalization [Ari13, Bjöö14, BB07, CGHR07, HPS15, JN03, Sut12]. Bidirectional [Wat93]. Bifurcation [Bea01]. Bifurcations [MS10]. Bilinear [BB12, Cao09, Cor93, FG15, RODS15]. BILUTM [SZ99]. Binary [MP11]. Biorthogonal [Sta02]. Bipartite [FL02]. Biproportion [de 94a]. Birkho [CLN14]. Birth [Cla10, DQ02, GdlI08, Guo02, Guo03, HMR01]. Birthday [GKRV90, Mo92]. Bisection [AL98a, Ji92]. Björck [BEG+09]. Black [AV91, MH95]. Blind [De 11, PO03]. Block [AGJ14, AL95, BDY99, BBT05, BEBT07, BOS16, BD98b, Bom00, BB07, BCN95, CSX15, CE02, CNW08, CGS94, CD98, De 08a, De 08b, DN08, DRS207, DK15, Drm10, EP94, EG15, FMRRI13, FP98, FST+13, GLS12, Gar90, GL03, GGV05, Gov91a, GV99, GLS94, GH103, Har07, HLW05, HT00, HG14, HO92, HK12, HC89a, HC89b, IM94, JV16, KN00, KMP01, LM02, MM11, MV05, Mas16, Mei92, MT00, MN07, NY95, Not14, OW96, Pea88, Pes14, RV12, Rog05, SZ99, SK05, Ser98, SHZ12, Sim97, Ste12, TW03, Wan08b, We11, ZS94, KP92, SS89, ES92, KC94]. Block-Diagonal [BOS16]. Block-Diagonalization [MM11]. Block-GTH [OW96]. Block-Iterative [CE02]. Block-LU [ES92]. Block-Monotone [Mas16]. Block-Oriented [Har07]. Block-Parallel [ZS94]. Block-Schur [KMP01]. Block-sequential [Pea88]. Block-Similarity [FP98]. Block-Toeplitz [CNW08, JV16, MVP05, KC94]. Block-Toeplitz/Hankel [MVP05]. Block-Triangularizations [IM94]. Block-Tridiagonal [HO92]. Block-Tridiagonality [Bom00]. Blocks [BV90, CDGS10, CNW08, GS10b, JV16, SS91]. Blockwise [XG98]. Blurring [RHE14]. Boolean [DD99, Jia98, JH88]. Border [BDD14]. Bordered [Gov91a]. Bordering [BMRZ94]. Bottom [PS94, RE98]. Bottom-Up [PS94, RE98]. Bound [BT92, DDY14a, DT11, EV06, FG94, Gow96, KK14, Lás94, Lat95b, Lee95, Lii99, LW05, Mat97a, SST05, Vec03, WLB05, PS88]. Boundary [ASA04, ABN09, BDSC11, BL10, Che01a, JLS01, LY91, MS99, NNP04, Pav92, VH16, JN89]. Bounded [ABK+11, BE07, CGGS98, CGS99, CGSS01, Cor93, GR97, KnI00, Wat01, Yan93]. Bounded-Input [Cor93]. Bounded-Input/Bounded-State [Cor93]. Bounded-Realness [ABK+11]. Bounding [DS97, FB95, Hig90a]. Bounds [AMPV97, AKPP08, AR93, Axe92, AW05, BT10a, Bar93b, BS15, BFM05, BH90, BSU15, CS10a, DH93, DH97, EJ98, FKLR13, Gu98a, HS16, HDT10, HI15, IR08, IN09, JR13, JN93, Kit95, KA10, Kre05, KW94, Lee96, Lii93, Lii95, LS03, Li05, Li06, LS07, Lie00, LZ95b, Liu12, LR99, LPT10, Mas16, Mat93c, Mat97b, Mat98, Mei99, Mön11, Nab00, RBB90, RK95, Run97, Rum12, RJ14, SWYM06, Ste91b, Sun95b, sG96, gSS97, gSS98a, TVW15, Tru06, Wal03, WD00, Ye09, ZAK13, vDHvdV00]. Box [AV91, MH95]. Bramble [FAT16, SW08]. Breakdown [RY05]. Breakdown-free [RY05]. Breakdowns [AGJ14]. Bregman [DT08]. Brent [YB91]. Bruhat [OVD98]. Brunovsky [FGP00].

Coefficient [Art03, BZ00, SEM13]. Coefficients [AG00, BES15, Beb06, CR10, EIt92, GKKX94, Gre99, IS11, JV04, LS95, Mal06, Mat05].

Coherence [IW14]. Coherent [LW05].

Collection [CCS05]. Collinearity [FB94].

Collocation [DP10, DP15, HHRV99, LHHR95]. Coloring [MSZ15]. Column [DGGX15, DS10, GNP94, GG03, MM00, RSS94, ZZ01].

Column-Partitioned [ZZ01]. Columns [IW14, VV89]. Columnwise [SDC+12].

Combination [SW08, All89]. Combinational [NS94]. Combinations [KO14]. Combinatorial [ACST09, IS07].

Combinatorics [DS10]. Combined [LS07].

Combining [GRT07]. Come [HGC00].

Comments [Guo03, Ikr97, WW08, Zha95]. Common [LS10].

Communicability [AB16b]. Communication [BDHS11, BBD+14, DGGX15, GD11, GMN16, KDDG13, WSSL06].

Communication-Avoiding [BBD+14]. Commutation [GP03]. Commutators [BK97, LS10]. commute [Stu88].

Commuting [Per91]. Commutors [CM03].

Compact [VMM15, HK12, KHH04].

Comparison [BS02, TNNV10].

Compartmental [BH93, LW02a].

Complement [CNW08, ET10, HS95b, LZ05b].

Complementarity [Bai99, CH93c, CHLS00, Gow90, GS94, GS02, HLT12, Kan96, MP95a, MN97, MPS98, MM00, MPS00, PYHK93, QL99, Ven93, Pan91, WB89].

Complementation [DV06b, Sen98].

Complements [ABN09, CDGS10].

Complete [DD12, Fie96, Gou91, GDF01, HV97, Tsa98].

Completed [Gut92, Gut94]. Completely [Auj00, DS97, QXX14, SMBJS13, TDV15].

Completion [Asw16, BJJ98, BDR12, CSK95, DS10, Fri02, JR88, Lan00, Nev93, SC10, ZF14, BJ95].

Completions [CD98, Dan93]. Complex [BLAK91, CHH+15, COV14, CW96, DZ01, GITT96, GWZ05, GZ09, Hig92, HLM94, HV05, JLZ16, JP09, Koh99, LX12, Mar11a, MV07b, RVA05, Tam98, TT99, VNNM14, WD94, YL08, CH88, CM92b, Hon89].

Complex-Symmetric [HV05].

Complexity [DYH06, KKS97, LH05, PTC13, Xia12].

Complimentarity [CC92]. Component [RST10, Yan98]. Components [AR93, BLO04, CI95b, JS04, MTV10, Ste08, SD09, Ste12]. Componentwise [CC09, Dem92, GK93, RK95, Rum97, Rum03b, Rum15, Zha93a]. Compositions [BM01]. Compressed [HS14, JKN11].

Compressible [BIS12]. Compression [Spe98]. Compressions [FGHJ06, MA99].

Computable [GI96, Lie00, GI97].

Computation [ASVM04, AMMS08, AT98, ABF16, AMVW15, BL13, Bar93b, Bar00a, BL94, BL00, BKS08, BBM02, Bez12, BN10, BL91, BRZ06, BHM97, CJL96a, CJL96b, CR16, CDD00, DDV04, Dhi98, DJ00, Eff13, FH10, GT08, HP90, Hey95, HIW15, H15, Ian09, IS08, LC16, LB96, Mal06, Mar91, MR97, Mel04, MG10, Ost10, PLM94, RDC93, SC05, SGX14, Sut12, Zen16, Fuh88, GBCW89, O’L90, WW08].

Computational [DMP96, KBHH13, LPT10, Mei04].

Computationally [BN05]. Computations [DP15, EKNX93, Gil94, GZ13, Hig93, Koe07, LNP93, LE02, Mat95a, Vog99, YBB91, GS92].

Computer [BD98a, GNP94, G006, HMP94].

Computing [Gre97]. Computers [BMSV92, NY95].
JKM11, JMM14, JS94, JW03, JCG14, KL98a, KM11, KM14, KV14, LW97, LP13, MV08, Mar11b, MOR04, NBG10, NH12, NS11, NS94, PW90, QS06, QACT13, RI11, RK95, RST01, Sni03, VV10, Wat92b, WD95, WLV06, Xu05, Xue96, vDHvdV00.

Con [HB12]. Con-Eigenvalue [HB12].

Concavity [Gro98, KN94].

Concerning [Kir02, Wei95].

Condensed [Meh99].

Condition [AMH09, AW10, ABG07, AW05, BDMS10, BDMS12, BGT14, Bis90, BLP90, BD10, Bor10, BK06, CT93, CD05, CC09, DBW15, DMC13, Dhi98, Drm96, ES05, GI00, GKK93, GKK94, Grc10, GV07, Har05, HH92, HH98, HR14, KKT06, Kar10, KL99, KLR98, Kir02, KPM09, KW94, LX09, Li06, LS11, LW94, LP11, LT94b, Mat95b, Mor12, PP92, RWA05, SST06, SB92, gS00a, Tan94, TT14, Tur97, VT98, Ede88].

Conditional [CK00, RR98].

Conditioned [MX98, NV02, PAP00, FGS96, RM91].

Conditioning [BW95, NW98, SW91].

Cones [Pil94, VF00].

configured [JH88]. Confluent.

[Hi89b, Lu94, Lu95, Lu96, Lu98a, ZZ98b].

Congruence [FJ06, PP91, Hon89]. Conic [PJB10, Sec11]. Conjecture [BTV03, CG15b, JP09, FF93]. Conjugate [AV91, BM00, BES98, BG06b, CFT16, CGLV11, DFT92, EG00, FAT16, GRT07, GTPT14, GNM16, HS10, KL08, LH05, Saa06, Tre05, YBZC16, Zha10b, GS92].

Conjugate-Gradient [CFT16].

Connection [BSS13, GKR89].

Connections [FN04, Sid95, SX11].

Conquer [AA94, CK91, FLM12, GE95a, GGbCC03, LGC14, Sut13, XQ08, GE95b].

Consecutive [DD99, EG00]. Conservation [CG03a]. Conservative [OP05].

Considerations [DHW92]. consimilarity [CH88]. Consistency [Han94, KN98, Pei95]. Consistent [CPT09a, FST13, LWY14, YGM09]. Consistently [Han93]. Constant [GHL03].

Constants [BT10a, CRO16]. Constrained [ALP07, AE97, Aru92, BNO9a, BMO92, Bar98, BBTT06, BOS16, BKK07, CG10, CH99, DS16, FM93a, FT07, GW92, GUL95, Jam92, KP08, Ly03, Mar11a, PSL12, SZ07, SS13, SdA10, WD00, ZHY16, FGS96, GL96].

Constraint [Bai05, BNW09, CA02, DL07, KGW00, yPWjP12, ZH03].

Constraint-Style [DOL07]. Constraints [AW00, CG98b, EAS98, GS10a, HS10, Sec11, VBW98].

Constructed [Cap98].

Constructing [Chu95, DJST05, KU13].

Construction [AG91b, CS10b, GZ15, LHC16, Mae98, Tur03, VF00].

Constructive [AR93, BLW15].

containment [BF89]. Continuation [BT10b, CH93c, Kan96, Ple00]. Continuity [de 90]. Continuous [BET02, BZ00, CH94, WBP89].

Contractibility [Ah89]. Contraction [BRR00, CG15a].

Contractions [NAV93, JR88].

Contribution [BG11, SC05, WW08]. Control [BB12, BOS16, BM06, DS16, GPM03, HS10, LS95, TFL11, Yan93, CRI88, DK88, Mel88].

Control-Constrained [DS16].

Controllability [Car94, EJK09, JMO09, Tsa98, Wim88b].

Controlled [MM11].

Controlling [FGM91, HN09]. Controls [BF06].

Convection [BWQ06, BGS07, ERT06, LG06, RP10, de 92].

Convection-Diffusion [BWQ06, BGS07, ERT06, RP10, de 92].

Convection-Dominated [LG06].

Convergence [AMM08, ANO11, AD04, Bai99, BMF03, BJM05, BER04, BGV10, BOR9, BrD07].
Cao00a, Cao08, CPZ11, CCG+09, CG15b, DGMR00, DR93, Drm10, Elt92, FNS08, FGS14a, GH92, GPS96, Guo01a, Guo02, GR97, GP04, Har07, HKV05, HMT93, IK06, Jia95, JZ99, Kn08, KN09, Kre08, LWXZ06, Lie00, LS04, LX06, LWYY14, MNR15, MS02, Mas95, Meh08, MH15, NOZ11, NZ16, Not03, RS08, SST05, SWZ11, SEM13, Sim00, SH91a, SU94, SB01, Usc12, WC14, WCY15, Wul05, XE10, Yan98, YGM09, Bas89, KN89, SS89.

Convergent [ASVM04, Auc91, CRS99, CRS01, QACT13, QCT15].

Convex [FJBd15, FS01, HM04b, Lew96, LP11].

Convexity [BDMS10, BDMS12, BLO07, HS90, KN94, KNX04, LP00, LS11].

Cooley [SKP11].

Coordinates [Mac99].

Copositivity [Bom00].

Coprime [OV99].

Core [Ber09, HPS13, HPS15, HPS16, PS05].

Correction [Sta02].

Corrections [PL14, XLS16].

Correlated [Par94, WA07].

Correlation [BHR10, CdS90, HS16, Hol91, LP96, LT94a, SCPW12, FF93, GP88].

Corresponding [AT98, GR93, QACT13, QCT15].

Cosine [CDD00].

Cosine-Sine [CDD00].

Cost [RT93].

Counterexample [BTV03, HS90, Kol03].

Counterexamples [JP09].

Counting [DLT15, Fer98].

Counts [GNP94].

Coupled [CH97, DK15, SS91, SD15a, SD15b].

Coupling [DS97, FNV08].

Covariance [BMfY03, BN06a, BK07, BX05, CS10b, Fuh07, Lu10, RD95, SCA12, Ste91a, VP93, dBG08].

Covariance-Preconditioned [BN06a].

CP [FZ16, ZF14].

CP-Matrix [ZF14, FZ16].

Cramer [DTGVL05].

Cream [SW91].

Criteria [AM09, ADR92, Ari13, AM05, AB16b, CPTP09b, EL91, BF89].

Criterion [AH07, FM93b, Li02, SNC02].

Critical [AAB10, BJL98, CCG+09, DLT15, O’N05].

Cross [GBCW89].

Cross-validation [GBCW89].

Crouzeix [CG15b].

Crystals [HHLW13].

Cubature [Sch95b, Xu15].

Cubes [NS09].

Cubically [ASVM04, ZZ98a].

CUR [MMD08].

Curl [CHH+15, CZ03, HHLW13].

Curl-Related [CZ03].

Curve [GPS96, KS12].

Cutpoint [KN99].

Cuts [GN13].

Cycle [Gri88, ADC04].

Cyclically [GV99].

D [Zha95, SYJ00].

D. [Kkr97].

DAE [BL02].

Damped [Lan07, PTC13, Tas15b].

Damper [TV09].

Damping [Tas15a].

Dangling [IS08].

Darcy [FA16].

Data [AM09, AG91b, AKP08, BKKL91, CGGS98, CGP09, CDLP05, EL97, EGK91, GI96, HH90, MMD08, MU13, MW12, RK95, SNC02, Wat01, fX96].

Davidson [HP02, HN09, Not05, SvdV06].

Death [CJ10, DQ02, Gd10, Guo02, GU03, HMR01].

Deblurring [BDSC11, BBTK08].

Decay [BES15, BS15, FS14, MNT10, Nab99].

Decision [LP89].

Decomposability [GDF01, SL94].

Decomposable [DS97, Li91, MHG15].

Decompose [FT16].

Decomposition [BLW15].

Decomposition [AL98a, BB08, BOCL97, Bar02, BDD14, BOS13, BD95, BX08, DS01, CM92a, CG92, CGP06, CL09, CLN12, CFG97, CDD00, CF02, CK00, DV00a, DV04, De 06, De 11, DG91a, DD98, DD12, DD13a, DD13b, DD14, DL15, Drm00a, Eir00, Frit05, GI96, dMGF14, Gra10, GE95c, GOS15, GW92, HMP94, Hem95, HMMOT04, HMT10, HIW15, HV97, HJP03, JS04, JN03, JW11, Kap90, KL92, KZ10, K013, Kon00, LRA93, LF02b, MV07b, Mat93c, Mat95b, MVV92, NBG10, NH12, O’N05, Ov0D98, Ose10, PS94, PE95, PP05a, Rei91, Rob16, RS94, SAI16, SST05, SNC02, SDC+12, SD15b, Ste10a, Ste11a, Ste12, Ste93a, SV00, Sun95b, gS00a, SV15, Sut12, Sut13, Tol97, Tum02, Van10.
decomposition [CS89, CG90, GI97, IM95, WE89].
Decompositions [BES05, BG15, BvdMR97, BL10, CCMD13, CD00, CHH15, CD13, CF02, De08a, De08b, DN08, DCM08, DV92a, De94b, Dem99, Di00, DE99, DIS15, DMM08, Fv95, Fie96, GP06, HY01, Her90, Her96, Kol01, LC16, LS07, MMD08, MV08, SCPW12, SS91, SD15a, SDD15, SdA10, SL12, ZMK02, ZS94, vdMRR01, Gad88].
Decomposition [CS89, CG90, GI97, IM95, WE89].
Decoupling [CH06, CMT09, DIS15, KN99, vdWM95].
Decreasing [Pan93].
Dedication [Bru88, GKRV90, Mol92].
Deduce [SCBG05].
Defective [Zen16].
Defectivity [BGMN15].
Deferred [vdG93].
Deficient [EG15, Fos03, HS13, Kre08, MH15].
Defined [IS11, Kar11a, Tam97].
Definite [AFPA07, BGN03, BW95, BJL98, BDR12, BD05, BS16, Cha00, CG98b, DHT01, EG00, G100, Gru06, GLV10, GHT10, HO94, HMT09, HP02, Hu92, JH02, Joh08, JSG15, KN91, LNTX11, LNTX13, LS11, Lu98b, MV07, Mat92, Mat97b, McL04, Moa05, Nie10, NY95, NV02, OR93, Pha01, Ple00, Rei02, VGV09, W921, Whi90, XG10, Ye09, ZWF05, Zha10b, AG88a, FM88].
Definiteness [CCL09, Roh94].
Definitions [De08b].
Deflated [AGJ14, CGLV11, EGG11, GGLN13, Gut14].
Deflating [BBMX02].
Deflation [BBM02b, Dax08, EN08, KK07, Kre08, LS96, NAY12, PR12, SEM13, TMNV10].
Deflations [MV14].
Deformations [EEK97, GPM03].
Degeneracy [CC92].
Degenerate [CGS01, DSSC11, Mat05].
Degree [ADD96, BS90, HM04b, Lie08, Mor94, Mur98, OV99, Che92].
Delay [DLMT13, MG10, Yan93, MJM11].
Delocalization [KMS15].
[LS01]. Differential
[BMN15, DLMT13, Gre92, HHRV99, KM96, Mao05, RE13, Zhi12, JN89].
Differential-Algebraic [DLMT13, KM96].
Differentiating [GTPTI14].
Diffusion [BWQ06, BGSC07, Ern00, RP10, de 92].
Digital [SWYM96, DB88].
Digraph [Sev03].
Digraphs [AB16b, MOvdDW89].
Dilations [MA99].
Dimension [HJP03, Ost10].
Dimensional [BvdMR97, CHH96, GV99, HHLW13, Ji92, JLS01, Kil99, OST08, RHE14, Sch95b].
Dimensionality [NBS10, OST08].
Dimensions [YL16].
Diophantine [BT92].
Direct [Bjo14, GK06, Hig93, Xia13].
Directed [DN11].
Direction [GLV10, HXY11, Par94].
Direction-of-Arrival [Par94].
Direction-Preserving [GLV10].
Directional [GLV10, HXY11, Par94].
Direction-of-Arrival [Par94].
Direction-Preserving [GLV10].
Directional [gWcWL12].
Disc [LZ05b].
Discrepancy [CS10b].
Discrete [ASA04, BF06, BF03, BD95, CF02, CFL07, CZ03, Cor93, For03, Guo98, HHLW13, JLS01, JOAKt10, KO05, KH13, KLX04, Kuz15, LF02a, LgS02, Lin11, Mas16, RT93, Sun04, TCTM00, Tur97, Van08, ZS04, LP89, Meh88].
Discrete-Time [CFL07, Cor93, JOAKt10, KLX04, LF02a, LgS02, Mas16, Sun04, TCTM00, BF06].
Discrete-Trigonometric-Transform [KO05].
Discretization [GMR90].
Discretizations [Bebo06, Ern00].
Discretized [CDGS10].
Discriminant [CGH11, PP05a, PP05b, ZLN10].
Disjunct [CdS90].
Disk [Baz00].
Displacement [BD05, CK91, CLG93, CSK95, Di 00, KC94, KO05, Pan03, PW03, RD95, DS95, GKR89].
Dissection [BV90, BHL+93, BT02, GTW00, HR95, SV93, Taz97].
Distance [ABK+11, Bar00b, BS16, BLO04, Dem92, DLT15, Fio11, GHHR90, Gu00, GMO+06, HW98, HS16, JSG15, KMS15, Lau00, LOvdD02, Men08, Qi13, Rum97, BJ95, Pow88].
distance-regular [Pow88].
Distances [KNS97, LM06b, Lim13, Rum03a, Rum03b, YL16].
Distinct [Far96].
Distributed [ADLK01, ADV05, KP92, Vog99].
Distribution [AW10, AW05, BF11, DQ02, DD10, DK08a, GN03, Har99, Mey94, WA07, ZZTA02].
Distributions [BMY03, Cap00, DMC13, DK08b, ES05, KS15, Liu12].
Divergence [CG03a].
Divergences [CT08].
Diverging [Ste08, SD09, Ste12].
Divide [AA94, CK91, FLM12, GE95a, GboCC03, LGC+14, Sut13, XQ08, GE95b].
Divide-and-Conquer [CK91, GE95a, LGC+14, XQ08, GE95b].
Division [BDD13].
Domain [CM92a, CG92, Hem95, MS99, Par99, PGVR98, S299, SSt05, TT97, Özg91].
Domain-Based [SZ99].
Domains [GLS12].
Dominance [LM98b, Wal95].
Dominant [CGV03, DDY14a, DDY14b, For96, Li02, LZ05b, MVT10, Mat09, NV94, RS08, SWYM96, ST14, Ye09].
Dominated [LG06].
Double [BFM03, HHLW13, JKM11].
Double-Curl [HHLW13].
Doubling [CCG+09, GIM08, GL10, LwCKL13, LX06, MP12, gWcWL12].
Doubly [Fic95, GIT96, Tis03, YBZ16].
Downdating [BPE94, CP98, EP94, EGK91, GE95c, LLZ09, LZ05a, PE95, Sun95a].
Downdating [MTV10].
DQDS [AMMS08, NAY12].
Drazin [CCS05, CGRVC08, HILW05, Wei96, WLB05, XSW10].
Drift [Mas16].
Dropping [Nap13].
DSTU [P06].
Dual [Ma04, Pil94, SB88, Zha01, Per88].
Duality [MH95, OW88].
Dulmage [AL98a, IM95].
Dynamic [ADLK01, AP94, BRR00, LT97, OS09, RBB90, Tan94].
Dynamical [DSZ14, GAB08, HMP94, KL07, KL10, LRSV13].
Dynamics [Art96, GL13, SWYM96].
E-optimal [NW02].
Early [BBM02b, KK07, Kre08, NAY12].
Eckart
[VNV14, Ko103, Lin11]. **Edge** [AB16b].

**Effect** [CH93b, IW14, Kri08]. **Effective** [BM99, BW99, LRM06, Mar91, Tan99].

**Effects** [SvdVM00]. **Efficient** [Bar98, BMSV92, BN05, CGS98, CGGS99, Cha00, CH97, DW06, Day97, DK05, FGS14b, GL03, GNPP94, GE94, Gu98c, GOS15, LHC16, LGWX12, RG05, RDC93, SYJ00, SX11, TV09, TETA05]. **Efficiently** [EM15]. **Ehrlich** [BGT05b]. **Eidson** [HN90].

**Eigendecomposition** [HHLW13]. **Eigendecompositions** [AB05, DK06].

**Eigenpairs** [CE94, EF13, KM11, KM14, HL06].

**Eigenpolynomials** [Men99].

**Eigenproblem** [Ba95, BJ16, CD15, DHT01, DMM03, Ge94, GGrCC03, HB94, RBB90, gS96, GE95b].

**Eigenproblems** [Aue91, GL94, GL05, Gu99, HLT98, Jia95, SK16, Ste01, Ste02, Tas15a, ZS07].

**Eigen solver** [BDG15, HHLW13, TP14, XCC14].

**Eigen space** [KN09, NZ16, TS01a].

**Eigen spaces** [Li98b, NS94, Xk94].

**Eigenstructure** [CZ03].

**Eigen system** [Mat95a]. **Eigen systems** [LS07].

**Eigen value** [AA94, Ano11, Ahs00, AD98, AL95, BDY99, BS05, BL12, BL13, Bar93a, VMM15, BF00, BMS06, Bet09, BT10b, BB98, BH13, BD90, BG05b, BEGG07, BCGF00, Bo90, Bor10, BKMS14, BKMS15, BEGM05, BGMB92, BW93, Chao0, CPZ11, CKL04, CG06, CKP11, DBW15, DW06, DG91c, DD10, DLM04, DW15, DD14, DYY16, DK08a, Ef13, EGGR99, EW13, Emb09, Fri92, GHWW9, GIT97, GK06, GT02, GR93, Gruo6, GKL97, GHT09, GL10, GZ13, HB12, HH98, HP02, HKP05, HGL05, HLR09, Ips06, Ips09, IM16, JKL000, JMM14, Ji92, JS04, JLS01, KKT06, Kar10, KKM14, Kau93, Kau06, Kir92, Kn04, KW92, KLC07, LZ14, LK15a, LVV16, Li98a, LNTX11, LNTX13, LM03, LKK97, LE02, MV97, Mac95, MMMM06a, Mat98, Me09, Me04, Mi14, MMH94, NOZ11, NQZ10].

**Eigenvalue** [Ors06, PM06, Ple00, Ple06, QACT13, RSS09, RW01, Saa16, See11, SCBG05, SHY10, Sid95, SvdV96, SY98, SW94, SB11, Ti90a, TH01, Tis03, Tro90, VGV09, Voo12, VYH11, WZ95, WE91, Wat93, WE94, WS00, FX96, Xue96, XE12, YGM09, YBZ1C6, ZS14, Zen16, ZZ98a, ZWF05, Zha10a, XZL14, ZBJ15, ZZTA02, Alt89, GIMT95, Ove88, San88, Tre88a, Tre89].

**Eigenvalues** [AS93, AAB10, ACL93, AT98, Axe92, BNS93, BS96, BG07, BS16, Ca09, CFJKS13, CHZ16, Chu95, wC03, CZ03, CGS94, CDN14, CW96, DMR00, DPF13, DH97, DK08b, Ede88, El98, Elm97, EW13, EM15, FL02, Far16, Fer98, FG94, GN03, GM00, Gu98, HO94, Har99, HDT10, HC15, HL02, IN09, JH02, KKM14, Koe05, KPM09, KW94, Kui00, LNV92, LGC08, LPS08, LY91, Mal06, MR97, MS10, Me99, Me04, MYK14, Miy14, MOB97, Na00, Na98, NQ14, NS09, NST15, OW92, OW95, Pei01, Pei05, Pes14, QACT13, QCT15, RS96, Rah09, Rah11, RVA05, RI11, Roh93, SHJ09, Ste91b, Tru06, Wal03, Wat00, Wil08, Ye09, Zha05, vDvHM00, Uas89, HM98, Sun89].

**Eigenvector** [Del97, EGGR99, Fer97, GR93, Gruo6, Har8, JS04, Lat95b, Mat97a, Men99, PDF16, Stu89]. **Eigenvector-Eigenvalue** [EGGR99]. **Eigenvectors** [AMS07, ACL93, AT98, BdTD11, DP04, JK95b, Kuz15, Mor95, Pes14, Pow88, QACT13, QCT15, PSL90]. **Either** [Ito96].

**Elasticity** [KNOX02, KNX04, CS89].

**Electrical** [HV05]. **Element** [ACST09, Beb06, RW94, RP10, ST08, Ten97].

**Elementary** [BT03, JovD01, JovD04].

**Elements** [BW95, FSZ14, Tam98].

**Elementwise** [ABN09]. **Elimination** [BZ98, BDD13, BS90, CH99, DGL99, EL05, EL08, Fes94, Gar09, GP93, GT04, GL93,
Ellipsoid [CG10]. Ellipsoid-Constrained [CG10]. Ellipsoids [DN11].

Elliptic [ACST09, Beb06, CDGS10, Gre92, GV99, Gre99, HHRV99, MS97, PS04, KCT90].

Entries [Chu95, DK99, DK01, Har99, Zha05, JOvdD89].

Entropy [BW95, Le 96]. Entrywise [TVW15]. Envelope [GP97].

Environment [DG91b, DG91c]. Episodic [HN97]. Epsilon [SS91, ZS94]. Equality [CH99, FM93a, GS10a, HS88, So92, ZH03, Zha04]. Equality-Constrained [FM93a]. Equations [BWQ06, BD05, BK95, BT92, Bra98, BGMN15, CL95b, CS98, CG03b, CGS99, CGSS99, CGSS01, DM04, Rum15, SvdVM00, gS98a, Tis03, XW07].

Errors [AA09, BKMS14, BKMS15, CGGS99, CGSS01, DM04, Rum15, SvdVM00, gS98a, Tis03, XW07]. Errors-in-Variables [CGGS99, CGSS01].

ESPRIT [Par94]. Essentially [SGX14].

Estimate [BGT05a, CP03a, CH93b, GJTP12, KMN11].

Estimates [AL95, BKK07, BK90, DMR09, FKLR13, Gru06, GKL95, GKL97, Kni04, LW02a, Lat95a, SHY10, Var94, Zul11, KL89].

Estimation [AMH09, BGT07, Bis90, BLP90, BKK07, CS01, CGGS98, HL08, HT00, KLR98, LX09, Mat95b, Men08, Par94, PP92, SES95, Tan94, Woz93, XK94, YLA97, Pea88].

Estimators [TT14, KP92]. Euclidean [BJ95, Drm00b, GHHW90, HN98, Lau00, Par99, Qi13]. Euler [BL91]. Evaluating [GTJ13, Hig01, MP88].

Even [Mel01, Mel04]. Even-Odd [Mel01].

Events [EHW10]. Eventually [JS07].

Every [Ito96]. Evolution [Tre90].

Evolving [DL03, Saa16]. Exact
[AW10, BGT14, Emb09, GK15, GGC09, HK01, HI15, OSS14, RK95, ZZLY02].

Exactness [Sch05]. Exchanges [Wat98].

Exclusion [HL02, Pe~n05, SHJ09]. Executed [MSZ15]. Existence [BB95, FMX02, Lat95a, ZWF05, Gad88].

Exit [GN13]. Expansion [BRR00, Rau02a, Rau02b, Vac94]. Expansion-Contraction [BRR00].

Expansions [DM05, HR93, HKG09]. Expectation [Fuh07]. Expectation-Maximization [Fuh07].

Expected [EHW10]. Experimental [LP13]. Explained [EM00]. Explanatory [CH93b].

Explicit [KK12, Kuz15, MX09, Pop12, ST01, Ste91a, Wel11, Wim92]. Exploitation [HKBM08]. Exploiting [EL92].

Exploring [FT16]. Explanation [Han03]. Exponential [ASA04, AMH09, AMH10, AH14, BBS15, De 11, E19tH2, GG14, GN16, Hig05, KL98a, Nov11, NP96, OV99, Ogi10, PK93, PK94, PM06, PW14b, PL97, QXX14, RR94, RODS15, SYJ00, SV97, SV05, VP93, Wo293, WT11, XCC14, XG10, XQ08, Zha01, ZFW07, BBDS95, CH88, DY90, Lin88, Naz89].

Factorizations [ANT09, Bez12, BCM95, CS10a, CMPX03, CK12, DK00, DN11, DM05, rF006, Fos03, LC05, MMT05, MW01, Nap13, Ogi10, RJ14, SMBJS13, SB92, Ste93a, WL12, CF89, JOvdD89, Wr97].

Factors [GL93, dMGF14, LS03, Li05, LB96, PR01, SST06, Woz93, ZZS02, ZZS04, HH89].

Fail [Emb09, Fos94]. Failures [EM00].

Families [GWZ05, GZ09, MA99].

Fan [Gdl08, Ian09, KMS01, KMS03, Mae98].

Far [FHL913, LM98b].

Faster [AB13, Not05]. FastMap [Ost10].

Fat [HHC03]. Fault [BBGL92].

Feasibility [AM09, CE02, FM93b].

FEAST [TP14].

Feedback [BGMN92, CCH98, CMT90, KLLX04, RE13, Yan93, Zab89].

FEM
Galerkin [PU14, CG96, EU10, PU10]. Game [MOC91, Tro90].

Gap [BD09, DP04, HSC04]. Gauss [FMRR13, Kau92, MNR15, PTC13, SB03].

Gaussian [AW10, AW05, BT10a, BZ98, BS90, DGL99, Fos94, FM93b, Gar09, Gou91, Gov91b, GGC09, HH89, Hig90a, LF02a, TS90, WA07, Wan15, Xu15, YC97].

GCDs [BL00]. GCR [JRG09].

Gene [Mol92]. General [CSX15, Cao08, CK00, Gei91, GIKT95, GSV00, JOAKT10, Lu10, MS02, MPS01, NY95, SZ99, SWZ11, TT99, Zha04, CLS88, DY90].

Generalization [Ben09, EM10, Fay95, HPS15, JDS03, VW12, Zhe96, Zhe98].

Generalized [ASA04, Ari13, ABF16, AG00, Av19, Ben99, BG04, BG15, BMS06, Bet09, BG98, BD05, BD90, BEGM05, BD11, BJ16, CGVL11, CS96b, Cha00, Che98, CL09, CFG97, CG98b, CG06, CFL07, CHZ03, CLG93, CS96c, CHLS00, CDH12, DBW15, DHT01, DDV04, De94b, DK05, DJST05, DW15, Djo08, DD14, EW13, Fie95, FF99, FH93, Fri05, FT07, GS94, GL94, GOS15, HLI08, HH98, HMT10, HPS15, HJP03, IM16, Jia95, Kg94, KC94, Kau93, KN98, KM14, KH13, KM06, LP89, Law13, LGC08, LM98a, Li93, Li02, LNTX11, LNTX13, Lu95, Lu98a, Meh04, Mi00, Mi14, MN98, ND06, PAP00, PP05a, PP05b, Sen06, SHT03, SV00, Sun95b, SW98, gS00a, TY02, Ts01a, VGV09, WE94, Xu15, XE12, ZMK02, ZH05, ZLN10, CJL96a, GBCW89, VV89].

Generalizing [DTGV05]. Generate [JGvD03]. Generated [IZ04, Tre88a]. Generating [AKPO8, Ser96, vdMS05].

Generators [Pill94]. Generic [CO12, CV14, Cho10, DD08, DD16, DL15, Ste08, SD09, VNV14, WC14, IM95].

Geometric [AFP07, BD93, BS10, CR16, CF00, DQ02, DL02, EEK97, EKK99, JK95b, KN09, Lim13, Moa05, ML89, NQB14].

Geometry [BDD13, BF06, EAS98]. Give [Nie10]. Given [BHH+08, CPTP09a, HP09, Nae93, Pene95, Wha00, fX96, YB91, dF05, BN88, HPR89].

Givens [DV08b, GO95]. Givens-Weight [DV08b].

Global [BBT05, BBT06, BT08, BM01, CG03a, Drm10, FP98, Gow96, WC14, WCY15].

Globally [Auc91]. Glued [PV09]. GMRES [AGJ14, BM05, BGT05a, BR08, BW97, CG15b, ES12, FLT13, GPS96, HY110, JRG09, Kn00, Liee00, LS04, Men11, Mor95, Mor00, MH15, NRT92b, PRS06, Ry05, SEM13, TM12, To97].


Gohberg [AG91a]. Golden [LIM07]. Golub [Ari13, HPS15, Mo92]. Good [MAMM06a].

Google [WW08, LM06a, SC05, WI09].

Graded [LIO5]. Gradient [AV91, BM00, ES98, BG06b, CFT16, DFT92, EQ90, FAT16, GRT07, GM16, HS10, KO08, KN09, LH05, MMH94, NOZ11, YBZ16, GS92].

Gradients [CG03a, GP014]. Gram [PRS06, BP92, D109, GGL04, GMR800, HLI15, Ste05].

Graph [AR93, AL98a, BBS10, TG+06, BHH+08, Bor09, FT14, FV98, FC01, GPS90, GMS09, GM00, KA07, MP12, Van08, dF05, vWDM95].

Graph-Theoretic [vdWM95]. Graphs [BJL98, Fie00, FT16, GT13, KN99, Lew91, Pe98, PSL90, Pow88]. Grassman [Mac99].

Grassmann [CDH12, ES09, LE02, QZL05].

Greedy [CB00, NR99].

Green [HK08, Nab01]. Greville [ZZL02].

Grid [DFT92]. Grids [BHL+93, RW94]. Gröbner [BDD14].

Ground [Bar08]. Ground-Based [Bar08]. Group [BT06, DJ09, GD08, Jia98, Kir95, KNS97, KN98, Lew96, Moa02].

Groups [DL03, HMT04, HMT05].

Growth [BZ98, DT11, Gou91, KNX04, KMS01, KMS03, Run07, SST06, HH89].

Growth-Factor [DT11].

GSVD [WXZ16].

GTH [OW96, Sen98]. Guarantee [FM93b].


High-performance [JP94]. Higher [BE03, CG03a, DDV00b, De 08a, De 08b, DN08, GLPS11, HR14, IAVD11, KR02, Men08, Sai16, SQ13, VCA10, Zab89]. Higher-Order [CG03a, DDV00b, De 08a, De 08b, DN08, IAVD11, KR02, VCA10, Zab89]. Highly [Men12]. Hilbert [Lu98a]. Hitting [PCB16]. Holdability [NT08]. Hölder [KPM09, Wim88a]. Hollow [CFJK13]. Homogeneous [SQ13, von93].

Homotopies [WBP89]. Homotopy [CHZ16, CLS88, DYY16, LKK97]. Hopf [Guo01b, MS10]. Horizon [OS09].

Hybrid [BHP03, CB90, GHT09, Par05, Ple06, RS88, SS98, SV05, PS88]. hypercube [CG90]. Hyperrectangles [Mön11].

Ice [SW91]. Ideal [Toh97, Özg91].

Idempotent [Lew91, Pat00].

Identifiability [CO12, COV14, DDL14].

Identification [FPST13, FGM91, LV10, PGVR98, SH91b, Ver96, Vog99].

Identity [Rie92, MP88]. IDR [GZ13]. If [HO10]. II [BL13, Bap89, BDMS12, BBM02b, CJL96b, Car94, CM92b, De 08a, DG91c, DD13b, DV08d, EKK99, Gut94, It096, KMS03, LLZ09, Lii98b, Mur93, Rum03b, SDD15, YY11, ZSS04]. III [DN08]. III [BGT14, ES12, Fos03, Kil99, KO01, NV02, PAP00, dSL08, DKS86, FGS96, Rum91].

Ill-Conditioned [NV02, PAP00, FGS96, Rum91]. Ill-Possed [BGT14, ES12, Kil99, KO01, Fos03, DK88]. Ill-Possedness [dSL08]. ILU [BW99]. ILUs [BS02b]. ILUT [SZ99]. Image

BBTK08, NNP04, RHE14, ZGP10. Images
Invariants
[AJRS13]. Inverse
[AHS00, Bai05, Beb06, BMS06, BS02a, BW93, CCS05, CGRVC08, Che01a, CG98a, CKL04, CBW15, DM09, DMS12, DMS13, DLM04, EW13, FF99, FSZ14, Fri92, FHS+94, GG02, GN13, GITT96, Gov91b, GTI11, Gre05, GH06, HLW05, JS07, KM16, Kau92, KK12, KOSvdD07, Kir95, KNS97, KN98, Kni04, KN91, KLX07, Lan07, LZ14, LGL16, LM03, Lu10, MMS94, MS03, MH13a, MS10, Meu92, NV94, Nab99, Ogi10, Ors06, PDF16, Pat00, RSS09, RW01, ST01, SW98, Tan99, TW00, Vec03, wVJ99, Wan98b, Wei96, WLB05, fX96, XSW10, YBZC16, Zab89, Zha99, dSV01, LT89].

Inverse
[AI07, ADR92, AG00, BMO6a, BN05, BS02b, CLG93, Djo08, ES08, Elt92, HH93, HR00, KM96, MNST96, SHS03, LP89]. Inversion
[AHH01, BLNT13, BC10, CM93, HH94, PK93, PK94, PW03, RS92, Ste91a, XXCB15, ZZ98b, CJL96a, DV06a]. Invert
[FS10, HL06]. Invertible
[WCV10]. Inverting
[FP16]. Involuntary
[IZ04]. Irreducible
[Art96, FG94, GR93, Kir95, LGL16]. Irregular
[GLS12, RW94]. Isometric
[FNV08, HKV05]. Isometries
[BvdMR+97]. Isometry
[BT10a]. Isotopic
[Kre05]. Isotypic
[MOR04]. Issue
[DCM08, Ips06, Ips09]. Issues
[Ari00, Mei04, Mes08, SV97]. Iteration
[Ben09, BMS06, BX08, Dan91, ESR01, EW13, Emb09, KZ10, KO14, LS96, Leh01, LWWY14, LGL16, Lu05, MOR04, MOR16, MS10, MP11, MH13b, MH15, NGB10, Not03, Nou96, RSS09, RS08, Saa16, SvdV96, SY98, SX11, TP14, XE10, YGM09, YLA97, ZHY16, de 92, AdHN88, BF89, Lag91, San88]. Iterations

[AJ04, AV91, BK08, Bor09, BPS05, CNO94, HMMT05, HN09, Ian09, IKSG10, NS07, NRT92a, NH12, NOZ11, ZZ04].

Iterative
[AH07, ADR92, AG00, BN06a, BN06b, BGSC07, BV01, CR96, Cao00a, Cao08, CE02, CPTP09a, CG96, DHT01, DGSW06, ET10, EL91, FS10, FNS08, GL12, GR15, GV09, GL06b, Guo01a, GH07b, HHRV99, HLT12, Han94, HO92, HV05, HZ01, Jam92, KL91, KS99, KO01, LHRH95, LWX206, Li02, MG92, MS02, MR97, NP02, NY95, OL99, PAP00, Pan91, RW92, SWZ11, Tiso1a, Wei95, Woz93, XE10, dkV10, AdHN88, BY88]. iteratively
[O’L90].

J
[Ano11, CH93a, GI97, HC89b, WW08, Zha95, lkr97]. Jacobi
[CS96a, DV92b, Drm96, DV08c, DV08d, Drm10, DK08b, Har93, Har07, HM89, HPS15, HP02, HKP05, HN09, NAV13, KHH04, Kni04, LR05, Mac95, MV08, Mas94, Mas95, Mat90, Nat95a, Meh04, Meh08, Not05, Nou96, SS89, SvdV96, Sta02, SX11, FX96]. Jacobi-like
[Meh04]. Jacobi-Type
[MV08]. Jacobians
[HKG09]. Joint
[Afs08, BN05, BN10, CSX15, Joh08, JCG14, LP00, Pha01, PJ10, WA07]. Jordan
[WW08, BFZ07, MMT08, MOB07, MD03, SC05, Ste13, Wd11].

Kaczmarz
[MNR15, ZF13]. Kahan
[Zhe98, Ari13, HPS15, Zhe96]. Kähler
[JV16]. Kalman
[KMN11]. Karlson
[GJTP12]. Karmarkar
[MT89]. Kaufman
[DT11, JP93]. Kernel
[BBWQ06, MTV10, PP05a, SB95]. Kinematic
[GKK99]. KKT
[FJ97, IKSG10]. Kleinman
[FS09]. Knopp
[Kni08]. Known
[AD02]. Kohn
[LWWY14]. Kreiss
[T79]. Kronecker
[BT13, HC89b, Zha95, Bar98, Bea01, BS15, BT12, DD07, DD08, EK96, FF94, FGP00, aIGP98, Gre05, HC89a, IT11, KN00, MV07a,
NNP04, RHE14, SB03, de 90]. Krupnik [Ikr97]. Krylov [Ste02, BER04, VMM15, BG15, BR05, BF05, CFT16, DMR09, DK98, DSZ14, ESS+12, EN08, Em00, FGS14a, GGLN13, GG14, GOR14, GT111, GPTPV16, GMN16, GS00b, Gut14, HS95a, JK97, KO15, KJH16, KT10b, KT11, LM98a, LY03, MJM11, MH13b, NZ16, RS02, Saa97, SS13, Sid95, Sim00, SvdVM00, Ste01, vdES04].

Krylov-Based [MJM11].
Krylov-Subspace [CFT16].
Kublanovskaya [GKRV90].

Ky [FHLS13, LM98b].

Lagrange [AT07, Law13, LC15a, Nie10].
Lagrangian [AW00, FMX02, GSCS15, LW97, MP12, RR08].

Lambert [FHI15].
Lanczos [BDY99, BKS08, BES98, BBGL92, CD15, CZ02, Day97, FKLR13, FS92, GLS94, Gut92, Gut94, GR00, HL06, Huh02, Jia95, JD03, Jou92, KW92, KW94, Ku00, MOR04, MB10, P11, PP11, WS00, W11, X14, vDHvdV00].

Lanczos-Type [GR00].
Langemeyer [SH91a].

Langville [IK06].

Laplace [KK12].

Laplacian [BSS13, Gre92, GMS90, GM00, HO15, KN97, KA07, LY91, TS99].

Laplacians [CL99].
Large [BMFY03, BSM10, BK08, BM00, BGKS09, Br07, DK99, DK01, ES92, EW13, FF94, FM93a, GH07a, GAB08, GHL03, HXY11, HH89, HP92b, JK95a, Jia95, LC15b, LC16, LS06, LwCKL13, LK97, MS10, NY95, OS09, PR12, Reu02, SS13, SK16, SY98, SCA12, Ste01, Ste02, WS00, XCG10, Zha95, ZS07, HC89a, HC89b]. Large-Scale [ES92, FM93a, GAB08, HXY11, LC15b, LwCKL13, MS10, OS09, PR12, SS13, SK16, HC89a, HC89b].

Largest [Ano11, CPZ11, GR93, JN91, KW92, NQZ10, OW92].
Latent [Elt92, VS14, ZZ99].

Latouche [Gu02].

Lattice [LK95].

Laurent [HM04a, Tre88b].

Law [BZ07, CG03a, Dj08, BHKR11].

Layered [BKKL91, KT10a]. LCM [Wan98a].

LCP [Mor94].

LDL [XXC14].

Learning [EG15, GS10b, JV04].

Least [ABG07, Aru92, ANT09, BG11, Bar98, BB05, BBT06, BBTK08, BE10, BST16, Ben99, BN06b, BPE94, BS98, BM00, Bj91, BV01, BHP03, BX05, BV95, CGCDM13, CNP94, CG98, CPT09b, CG09, CG10, CH93b, Chu91, CG98b, CK91, CC92, CH99, DN08, DHZ03, EL97, EP94, FF94, FB94, For96, FS01, GS10a, GHO99, GTP12, GTP13, Gr10, Gu98a, Gu98b, GW92, Gu95, HY110, HXY11, HPS+11, HG14, HM97, HV97, IW14, Jam92, KS92, KLR98, KP08, KT10a, LY03, LS06, LPT10, Mal04, Mal03, MVP05, Mar11a, MLV00, MH13b, MH15, PRS06, PO03, Rei91, RG05, Rod06, RGP96, RGP98, Run12, Sha95, SC03, TETA05, Usc12, VZ91, Van92, WC14, WCY15, We92, WD00, XCC14, ZH03, ZHY10, ZZLY10, ZF13, O19, Qia88, VV88, VV89, Zha95].

Least-Index [CC92].
Least-Squares [ANT09, BG11, Ben99, BX05, CG98, CK91, EL97, For96, FS01, HM97, LS06, Mal04, Rod06].

Lee [Ikr97].
Left [KOSvdD07].

Legendre [Zha10b].

Lemmas [De08a].

Length [AKP08, JN93].

Leslie [Kir92, KN94].
Less [HM04b, OP05].

Letters [BH02].

Level [Bo09, BMM02a, DQ02, DK13, EDK16, HR14, TMN10, WT11, LSN16].

Level-Geometric [DQ02].

Leverage [HIW15].

Leverrier [Bar89].

Levinson [CH93a, BLAK91, CH92, FLM10, Mel01].

Lipunov [KB93].

Lidskii [Lew99, MBO97].

Lie [BW93, KHH04, MTT08, Tam99].

Lifted [JCG14].

Like [AG92, CT09, FLM10, GL00a, MSZ03, May12, Rod06, RODS15, ZZ04, ZZ98b, FLM12, GM95, Hig90b, JL98, Kil99, Lu96, Meh04, Rei91, SK95, wVJ91, Xu05].

Likelihood [BE10, YLA97].

Limit [Ste13].
Linear [HHRV99, HK01, RCH08]. Linear [ADC04, ABG07, Art96, AGL98, ANT09, Bai99, BGN03, BL12, BL13, BDHS11, BFZ07, BSM10, BEBT07, BF06, BGT14, BES98, Bom00, BM06, Bor03, BT92, BF05, BCW12, CT91, CP03b, Cao08, Cap98, CE02, CI95b, CS98, CGS98, CG03b, CGS+08, CPTP09b, CH93c, CPR93, CGH11, CC92, CHLS00, CG96, DGMR00, DK05, DTGV105, DD12, Din98, DS16, DS95, DLMT13, ENV92, EHVp04, ES12, ES92, EG00, EL91, FM93a, For96, FS01, FHLS13, FL99, FNS08, FKLR13, Gar90, GL03, Gi13, GLT96, GKK99, GRT07, Gow90, GS94, GS02, GR15, GT11, GJTP12, Grc10, GV09, Gu98a, Gu98b, Gu98c, GAB08, GHL03, GHR95, GW92, Gu95, HLH12, HLO8, Han94, Har05, HHH2, HPS13, HLH1, HLMH4, HJ89, JT98, Jot92, Kan96, Kar11a, KGW00, KLR98].
Linear-algebraic [CRR93]. Linear-Time [Bom00]. Linearization [HLT08, HMT09, LC15a, LVV16, SB11].
Linearizations [AB16a, BdTD11, DDM10, HMT06, HHMT17, MMMM06a, MMMM06b].
Look [AD98, GR00, SK95, CH92, CH93a]. Look-Ahead [GR00, SK95, CH92, CH93a]. Loop [Bér09, Guo98]. Loop-Based [Bér09]. Lorentzian [AYLR04]. Loss [BP92]. Lossless [RD95]. Low [Asw16, CS09, COV14, CP03c, CDLP05, Dax08, DD07, DD16, GG11, GQ14, GL13, IAVD11, IAV13, IUM14, JKN11, KK12, KB90, KL07, Kol03, KO15, KT11, LC16, LW02b, Lie08, MU13, MD03, NS11, OSS14, PTC13, SCPW12, SS10, SC10, Ste08, Ste13, Tas15a, VV10, VVH11, WCY15, WCC16, XLS16, ZZ99, ZZS02, ZZS04, dSL08, dTD08, vdV96, GAG88].
Low-Order [KB90]. Low-Rank [Asw16, COV14, CDLP05, Dax08, DD16, GG11, GQ14, GL13, IUM14, KK12, KL07, Kol03, KO15, KT11, LC16, LW02b, Lie08, MU13, MD03, NS11, OSS14, PTC13, SCPW12, SS10, SC10, Ste08, Ste13, Tas15a, VV10, VVH11, WCY15, WCC16, XLS16, ZZ99, ZZS02, ZZS04, dSL08, dTD08, vdV96].
Lyapunov [CT15, BES15, BH90, BD05, BS88, BN87, CLO97, CH97, DL03, EW13, HS95a, HP92b, KO15, LS10, LW02b, RDC93, TCTM00, TV09, VV10].
Lyusternik [MBO97].
M [GL03]. M-Matrix [GL03]. M. [Ikr97]. Machines [SYJ00]. Magnitudes [Nie10]. Maintaining [BBM02a]. Majorization [Bap89, KA07, KA10]. Make [JRG09]. Manifold [DL02, Din98, Fio11, LE02]. Manifolds [CDH12, LWW15]. Manufacturing [CCZ97]. Mappings [Gow90, VZ06]. Maps [CS96c, FHLS13, Loe90]. Marginals [SH91b]. Markov [Bar93b, Bar00a, BF11, BHKR11, Bor09, BPS05, Buc00, BrD07, CCZ97, DS97, DA05, DR93, ES08, EHW10, Ger92, Hey95, HO98, IM94, Kir02, LP89, LMO6a, LFW13, LX12, Liu12, Mas16, Mey94, O'C02, OW96, ST01, TVW15, XG98, Zha93b]. Markov-Modulated [CCZ97]. Markovian [ALN07, ALP07]. Masks [JZ99]. Mass [BB96]. Matching [KO14]. Matchings [HS13]. MATLAB [GMS92]. Matrices [ABL94, AB05, ABK+11, AH07, AG91a, AG92, AD02, Arg15, AM05, APFA07, Art96, AL98b, AKP08, AYLR04, AB13, Axe92, BBS15, BT10a, BMFY03, Bao5, BNW09, BIS12, BW95, BR00, BO96, BOCL97, BV92, BZ98, Baz00, BBT05, BR08, BOS13, BT06, BS15, BFM05, BS91, BS94a, BB11, BD15, BB98, BH08, BE03, Bin90, BD90, BEGG07, BL690, BS96, BLAK91, BN10, BCR11, BBK07, BD98b, BD10, Bom00, BS10, BHH+08, Bor09, BW99, BGKS99, BET02, BV07, BCN95, BS94b, BD15, BGH95, BC9100, CM93, CCO5, CKRU08, CS01, Cao02, Cao99, CT99, Cap00, CE12, CCJ+00, CGRVC08, Cav94, CO99, CDG+07, CPTP09a, CFJKS13, Che98, CD05, CC99, CG15b, Chn91, CE94, CFG98, CK91, CS10b, CM03, CGS94, CRS99, CRS01, CL9G32, CC92, CHLS00, CW96, CKP11]. Matrices [CB90, DDDY14a, DDDY14b, Dan93, D997, De 08a, DL02, DP10, DP15, DMS09, DMS12, DMS13, DG91b, DG91c, DV07, DV08a, DV08b, DD10, Dem99, DJST05, Di 09, DD12, DMP96, DE99, DPP13, DZ01, DK60, DGIM15, DY10, DK99, DK08a, DK08b, EEK97, EEK99, EL05, EL08, ES08, ES+12, EN08, EU10, EM15, FTF0, FGJ00, FHJ06, FLV04, fRF06, FKKL96, Fer98, Fie95, Fie00, FF99, Fio11, FSZ14, For96, FHLS13, FN08, FC01, Fri92, FHS+94, FG94, Fri02, FT16, FGS14a, FIS01, FJ06, GLS12, aIGP98, GSCS15, GP06, GT04, GLPS11, GHN03, GITT96, GI00, GIK00, GW07, GMS92, GM13, GS06, GKH94, GN03, GT08, GS10b, GK06, GPTV16, GR93, Gro97, GP03, GLV10, GWZ05, GZ09, GZ15, GP16, GW00, Guol1b, Guol2, GR97]. Matrices [GLP01, GP04, Hac93, HNT99, HB94, Har05, Har93, Har98, HR93, HH93, HH94, HR04, HLV94, HKG09, HMT93, HS90, Her96, HHSW97, Hig92, HBW90a, HBW90b, HDT10, HPS15, HG14, HS13, Hol91, HLT91, HLM94, HLS97, HH12, HC15, Huc92, Huc94, Huh01, Huh02, IM13, IN09, IW14, IT06, IZ04, IOM94, JR99, JV16, Jia98, JN03, JT98, JOvdD03, JS04, JS07, Joh08, JP93, JL98, JSG15, KC94, KN00, KK14, KU13, KBHH13, KSH02, Kir92, KNS97, Kit95, KS03, Koe05, Koe07, KN91, Kere, KK93b, KK93a, LLS09, LS10, Lat95b, LP96, Le 06, LC15b, LC16, Lew91, LGPS0, LI91, LT94a, LIo2, LM02, LF02b, LM05, LIo5, LPS08, LGWX12, LS04, LT09, LW97, LOvdD02, LC05, Lin11, LZ07, LZ05b, LV15, LW94, LBH90, Liu98b, MMT08, MM11, MAe98, MA99, MS02, MM94]. Matrices [MS03, MNT10, MV13, Mat09, Mat92, Mat97b, MVDW89, MNST96, Me99, Meu92, MPS01, MT00, Moa05, MN97, MP98, Mn011, MBO97, Mur91, Mur93, Mur98, MP95b, MNT99, Nab99, Nab00, Nab01, Navy93, NS96, ND06, NP99, Nu096, O99, OR93, Ors06, OST09, Ose10, OW95, PK93, PK94, Pan16, PDF16, PLM94, Pat00, PM06, Pe95, Pe98, Pe01, Pe05, Per91, PW14b, Pe14, PW15, PT05, Pha01, PR91, PW90, PJB10, Pro13, PL14, Pul13, RVA05, RD95,
Rei91, Reu02, RR98, Rie92, RS92, RW95, Rod05, Roh93, Roh94, RSS94, RODS15, SZ99, San16, SST06, SCPW12, SK95, Sen98, Ser98, SCS03, SGX14, SH109, SHY10, SWYM96, ST08, SB05, SEM13, Spe98, SCA12, Ste91a, SV97, Stu91, SB01, SB95, Swe93, TY02, Tig91, Tre94, Tre05, Tru06.

Matrices [Tum02, VFGM05, VH16, VP93, VT98, VJ07, Wal03, WZ95, Wan98a, WA07, WD94, Wil08, Win06, WT11, XLS16, XG10, XSW10, YL00, YL08, Yas03, Ye09, ZZ99, Zha00, Zha05, ZY93, Zha01, ZZ01, Zha04, ZFW07, Zhi12, ZZ98b, Zie95, ZZTA02, dF05, dSV01, vDhvdV00, vDHvdV00, vdMS05, All89, AG88b, Aue89, BY88, BH96, CJL96a, CF89, Che92, DGGM06, D95, Ede88, FF93, GP88, Hav89, HM89, HPR88, HRS88, H88, Hon89, HC89a, HC89b, Ik97, IM95, JN98, JP94, KN89, KN94, MP88, ML98, Per88, PR88, PSL90, RR96, Rum91, Stu88, Stu89, Tre88a, Tre89, Wim88a].

Matricity [GG13].

Matrix [AS93, ALAK94, AA09, Afs08, AAB10, AMH09, AMH10, AB16a, AMPV97, AG91b, AW10, ACL93, AT98, Ano11, AW00, AH14, AKP98, ABF16, AG00, Art03, AHH01, AW05, BDA9b, Bar09, Bar94, BLD97, BL94, B100, B99, B12, BT13, BV00, Bex12, BB96, BD03, BM94, BF93, BM96, BNS13, BMSV92, BL91, BM06, BKS14, BKS15, BS16, BHR10, Bor14, BW09, BL10, BF05, BG13, BX05, BD95, BZ00, BC92, BdTD11, BGN12, BHM97, CSX15, CGHR07, Cao00b, CR16, Car94, CG03a, CH93a, CS10a, CT93, CMPX03, CHKL01, CDO0, CCG*9, Chu95, wC03, CH06, CHW10, C1a10, CD98, CG110, CR10, DH03, Dax08, De 06, DD99, DD08, DD16, Dem92, DRZ07, Dhi98, DT08, Di 00, DP00, DMR09, DK14, DK15, DS10, DD13a, DJ90, DMM08].

Matrix [DH97, Drm00a, DK98, DL15, DK01, EEK97, EEE99, EEG11, E98, ESR01, EK96, Elt92, FL02, FZ16, Far16, FHI15, Fay95, FPST13, Fer97, For03, FV98, FP16, FT07, FH10, FKL13, FGS14b, GPM03, GH91, Ge91, GL03, GIKT95, G97, GL99, GI94, GI11, GK15, GT13, GHH90, GSV00, GMRS00, Gov91b, GT11, Gro98, Gdl08, GKL95, GO11, GKL94, Guo98, Gu01a, GH06, GKL12, GR05, GN16, HLT12, HM04a, Har99, HLL95, He99, HR00, HO10, Hey95, HO98, Hig92, Hig93, HK95, HT00, Hig01, HK01, Hig03, HMMT04, HMMT05, Hig05, HMMT06, HMMT07, HMMT09, HL11, HL13, HR14, HS16, HGC99, HGC00, Ho90, HS95a, Hi15, Hu92, HSC04, HL02, HKBM08, HCH98b, Ian06, Ian09, Ik97, Ito96, IM16, IS07, IT11, JS04, Jia01].

Matrix [JMO93, JOvdD03, JKN11, JOAKt10, KK97, Kau93, KB90, KL91, KL92, KL98a, KP08, Kir95, KN98, KNOX02, KR14, Koh99, KN91, KPC94, KMS15, Kra95, K13, KL98b, KLS16, LP01, LM30, LP05, LV92, Lau00, Law13, LT97, LV06, Lew96, L94, LY03, Li06, LBL05, Lie08, LT09, Lim07, LX06, LNP93, LWW15, Lu98a, Mac99, MV97, MMM06a, Mars11, Mat93a, Mat95b, Mat96, Mat97a, MSZ15, Mei04, Mei04, MYK14, NV94, NRT92a, B90, NS91, NK01, NS90, NST15, Nat96, Ogi10, Ost10, OW92, PAP00, Pa09, Pa10, PP11, PW14a, Pa11, Pan93, PYHK93, Par05, PV09, Pe01, yPWjP12, Pil94, PS08, PL14, Q06, Q13, QCT15, RS96, RR94, Rum02a, Rum02b, RE13, RS06, RE98, Rum97, SCPW12, Sch95, Sch95b, Sch96, SC05, Sv03].

Matrix [SMBJS13, SC03, Sid95, SC10, SMD03, So92, ST01, SDC*12, SU94, Ste91b, SH93, SV15, SD12, Tam98, TF11, Tisi5b, TV15, Th94, TL06, Tis93, T123, TT98, TT99, Tre90, TW03, Tro90, TU91, Tst93, VVM05, VBV98, Vec03, Ven93, Vog99, Wan98b, vGeW12, WLBO5, WS12, WC16, WH90, WD95, Win92, XX16, Xia12, FX96, Xue96, YL97, ZMK02, Zha91, Zha95, ZHZ05, ZGP10, Zhe96, Zhe98, vdV96, von93, AdHN88, B95, BMO92, BK95, Bas89, BV88, Ber88, BHH88, BN88, CS89, CLS88,
DV06a, FM88, Gad88, GL96, HD97, JMW96, JJ88, JN89, JvD89, JHH8, KL89, LG06, Lin88, Naz89, Ove88, OW88, Stu88, Wim88b, WW08, ZF14. Matrix-Matrix [MSZ15]. Matrix-type [BL94]. Matrix-Valued [ALAK94, Cla10, Kra95, KH13, Mat93a, QCT15]. Matrix-Vector [BF05, GTI11, HR00]. Matroids [Mor94]. Max [BSvdD95, BCGG10, BJ16, DD98]. Max-Algebra [BCGG10]. Max-Plus [BJ16, DD98]. Maxima [RSS94]. Maximal [Lat95b]. Maximally [EG15]. Maximization [Fuh07, LW15, VBW98]. maximizing [All89]. Maximum [BW95, BE10, Bor03, CD14, JR08, OR93, YLA97, Ove88]. Mean-Square [HL08]. Mean-Squared [BEBT07]. Means [AMPV97, AFP07, DD04, Dri06, Gem98, Lim13, Mao02, Pdl11, PT05]. Measure [NQR14]. Measurement [CH93b]. Mechanics [CGS94]. Media [BKKL91, CHH+15]. Memoriam [Joh96]. Memory [ADV05, EM15, LHC16, KP92]. Mendelsohn [AL98a, IM95]. Meromorphic [ALAK94]. Mesh [vdSBvdV93]. Meshes [Ten97]. Metamorphosis [LS95]. Metamorphosis [Van11]. Method [AGJ14, AT07, AM09, Ano11, BBS15, BD99, BS05, BV90, BBT08, BST16, BF00, BGSC07, BGT05b, BIP08, BR05, BBGL92, BMRZ94, BMH97, CS01, CFT16, CD15, CGLV11, CPZ11, CH93c, CG98a, Dan91, DHT01, DD97, De97, DV92b, DYY16, Drm96, ESR01, ES09, EC00, FJKM06, FAT16, FHS09, FS10, FSV14, GLS12, GTJ13, GG14, GH07a, GTPII14, Guo98, GL00a, Guo01a, GH06, Hac93, Har07, Hem95, HMT93, HS10, Hig92, Hig97, HK01, Hig05, HP02, HKP05, HN09, HGL05, HV05, Hu92, HZ01, Huc94, Hulh02, Ian06, IT06, JMM14, Ji92, JN03, Joh08, KL92, KP08, KM11, KM14, KO15, Kui00, LLZ09, LM08a, LY03, LZ05a, LV10, LR05, Lu98b, LP13, LKK97, LE02, MV08, Mas95, MOR16, Mat09, MR97, Mee09, MB10, Mor95, MM00, Nov11, OL99, PW15]. Method [Ple00, QL99, Qs06, Qv13, RCH08, RST01, RT99, RP10, RW92, SxG14, SH91a, SvdV96, Sor92, Sta02, SD09, Ste10b, SX11, Tis01a, TV09, vJvBqJ11, Wal95, WC15, WCY15, WS00, Wll05, XCG10, Xu05, XQ06, XE12, YBZC16, ZS94, ZS98a, ZH03, Zha10a, de 92, vDHvdV00, vdMS05, vDV96, CS89, CLS88, HL06, KN98, Mch88, SS89]. Methods [AL95, Bai99, BGN03, BWQ06, BN06a, Bar08, BV92, Bar93a, VMM15, BN06b, BDD11, BM99, BES98, BHM00, Bjo14, BV01, BM02, BF05, BrD07, BGBM92, BGBM93, BCW12, CR96, Ca00a, Ca08, CG92, CHZ16, CG10, CH99, CG96, DFT92, Drm10, ENV92, EHvP04, ESS+12, EN08, Er00, EL91, FJ97, FGM91, FM93a, FS01, FS97, FNS08, FGS14a, Gar90, GGLN13, GOR14, GR15, Gre97, GV99, GMN16, GS03, Gu00, GMO+06, GR00, Gut14, HHRV99, HJ07, HY10, He99, HXY11, HS95a, H902, HK12, JK95a, JK97, Jam92, Jia95, Jon92, JCG14, Kan96, KL91, KO01, KL08, KT10b, KT11, KV14, LWXZ06, Le01, Lu10, MR15, MG02, MS02, Mat95a, M208, Mor00, MH13b, MH15, NP02, Ors06, PW90, Ple06, RS02, Saa97, SS13, SZW11, Sid95, Sim00]. Methods [SV15, SJ92, Wei95, Whi00, Woz93, Wr95, ZZS04, ZHY16, dBG08, vDG93, vdE804, AdHN88, BY98, FGS96, GL06, Wr97]. Metric [Bar00b, BD10, BS10, BDST08]. Metrics [QZL05]. Meyer [IK06]. MGS [PRS06]. MGS-GMRES [PRS06]. MIMO [DSZ14, GV04]. Minc [Lat95b]. Minimal [BEGM05, BMvD04, BvTD11, DDM10, DS10, FJKM96, Fio11, HP09, IM16, OV99, Par92, PR01, Pery01, Sch95b, SMBS13]. Minimal-Distance [Fio11]. Minimax
[Ash91, IM95]. Minimization [BL12, BL13, FPST13, FM93a, HN98, NNF14].
Minimizer [CS10b]. Minimizers [FGM91].
Minimizing [BDHS11, CG96, Ern00, GV07, LP11, Ove88, OW88]. Minimum [ADD96, BS90, BHH+08, Dax08, HJ07, LN14, MV97, Mat05, PP05b, Wat92a, WS12, All89].
Minimum-Residual [HJ07]. Minkowski [ML89].
Minors [KMS01, KMS03]. MINRES [KS99, PW15]. MIQR [LS06].
Modification [AB16b, GE94, RBB90, VYH11].
Modifications [CFG98, DH01, DH05, GV07, BK89]. Modified [BFP92, CH98, GCL04, LZ10, RDC93, Sil03, AG88b, PRS06]. Modifying [DH99, GW92]. Modular [BvdG11].
Modularity [FT14]. Modulated [CCZ97, LX12].
Modulus [GR93, ZHY16]. Modulus-Type [ZHY16].
Moment [BH93, KO14, Tis93]. Moment-Matching [KO14]. Moments [DA05, Hel95].
Monotone [Auj00, CdS90, CS96c, Kra95, KH13, Mas16, Tig91]. Monotonic [GLV10].
Monotonicity [Bor03, CHLS90, DRTW91, HHH12, Lag91].
Moore [BC10, FF09, HH93, HH94, Pat00].
Morrison [Rie92]. Most [WD95]. Movable [GT02].
MR [CH93a, GH97, HC89b, Zha95, Ikr97].
Multiband [MNT10]. Multicoloring [Har93]. Multiconductor [LF02b].
Multidimensional [HK08]. Multifilter [Jia01]. Multifrontal [ADLK01, AP02, ADV05, DD97, LB96, PL97, XCG10].
Multigrid [BWQ06, DYH06, DSSC11, GH07a, HK12, Pul13, TW00, TMNV10, VZ06]. Multilevel [ADC04, BM02, BW99, Bu600, BrD07, CT99, DK00, EV06, GUV00, KCT90, Le 06, LS06, Not06, SZ99, XLS16, Zha01].
Multilinear [BB08, BLNT13, BFP95, DDD00a, De 06, ES09, ES11, GL15, IAVD11, IAV13, SD15a, SDD15].
Multiparameter [DYY16]. Multiple [AAB10, BM00, DH01, GRT07, HP13, HPS16, JRM99, KS92, KPM09, VV15, MB10, PC16, SH91b, VZ06, WV06, Sun89].
Multi-Rank [DH01]. Multiplication [BMSV92, HR00]. Multiplications [Hig92].
Multiplicative [DM04, RW01].
Multiplicities [DD16, JK95b, JS04].
Multiplicity [FL02]. Subidipliers [CDP94, Nie10]. Multiplying [Hig92].
Multipart [ASA04, FG15].
Multipreconditioned [BG06b].
multiprocessor [CG90]. Multiresolution [AKP08]. Multisection [AL98b].
Multishift [BBM02a, BBM02b, DW96, Gem98, KK07, VV12]. Multisplitting [Bai99, BCMM95, FS97, SB01, SJ92, Whi89, Wh90, Whi00, KN98].
Multisplittings [MPS01]. Multistage [ET10].
Multistochastic [CLN14]. Multivariable [Pål11].
Multivariate [BDD13, CMPX03, DIS15, GMRS00, Han03, JLZ16, Zha10a].
Multiwavelets [Tur03]. Multiway [MBM08]. MUSIC [SES95].

N [GKRV90]. N. [Ikr97]. Nano [GKL12].
Nash [CT15]. Navier [WT11, Elm97].
Navier- [WT11].
Near [CQ96a, DFD01, Hart99, BL12]. Nearest [BHR10, Dem92, GHF90, HS16, Men12, QS06, Qi13, Rum97].
Nearly [BR08, BW97, DS97, ESS+12, MHG15].
ST14, WD95, Zha93b, GL96, Hav89.

Nearness [BDST08, DT08, GKL14, KMS15, SV15].

Necessary [Cor93, Gad88, ZWF05].

Nested [BOS13, BHL+93, BT02, Cao00a, HR95, SS91, SV93, Ten97].

Nested-Dissection [BT02].

Network [AL98a, BK15, vdSBvdV93]. Networks [BDR12, FMRR13, GDF01, KS15, WSSL06].

Neumann [CLN14, MOC91].

Neville [GP93, GT04].

Newton [KZ10, BIP08, BX08, DS16, ES09, EM15, FHS09, FM93a, Guo98, GL00a, GH06, HK01, Ion06, Joh08, KL92, LE02, PTC13, QL99, QS06, Qi13, San88, Tis01a, ZŠ94, ZZS04, Zha10a, ZBJ15].

Newton-Like [GL00a, ZZS04].

Next [Mar91].

Nilpotent [LW05]. Nine [ZFW07].

Nine-Diagonal [ZFW07].

Nodes [Baz00, IS08].

Noise [BE07, Par94, Wan15].

Noise [CR96, HL08].

Non [BDY99, BGN03, CE12, CH93c, ENV92, IN09, SS09].

Non-Hermitian [BDY99, BGN03, CE12, ENV92, IN09, SS09]. Non-Interior-Point [CH93c]. Noncommutative [HM04b].

Nonconvex [BST16, TFL11].

Nondeterministic [DY90].

Nondiagonalizable [LM06b].

Nonexistence [VNVM14].

Nonfull [Fei94].

Nonfull-Rank [Fei94].

Nongeneric [Van92, VV88].

Nonhomogeneous [Ger92].

Nonincreasing [GPS96].

Nonlinear [AG00, BPSF10, VMM15, BH13, BM96, CCG+09, Eff13, ESR01, Gu09, Guo01a, GL12, JMM14, KKM14, KS92, LM90, LZ10, MO91, MH13a, PP05a, RRR06, RPG98, VYH11, YGM09, ZBJ15].

Nonlocal [KPC94].

Nonmaximal [FG94, Nab00, Wal03].

Nonmonic [GH91].

Nonnegative [A011, Art03, BN10, BCR11, CPZ11, CFJKS13, CK12, FJ10, FHS+94, FG94, Gil13, GK15, GR93, Gnu06, HNT99, Har98, HHSW97, JZ99, JMO93, KOSvdD07, KP08, Khr95, KO02, Koe05, Koe07, LS99, Lew91, LGL16, Nab00, NQZ10, NT08, Ors06, PL14, QXX14, SGX14, TFL11, YY10, YY11, ZŠ94, ZHY16, AdHM88, HR88].

Nonnegativity [BN06a].

Nonnegative [BH08, KP08, NS94, SW91]. Nonnormal [BES15, SCBG05].

Nonoverlapping [CG92]. Nonpositive [CR96].

Nonstandard [RT99, Zul11].

Nonstationary [Mat05, MPS01, SWZ11].

Nonsymmetric [AA94, BMS06, BGT05b, BIP08, BG06a, Cau02, CS98, CZ02, Day97, EN08, GV99, GL00b, Guo01b, GH07b, GIM08, Jou92, JL98, JOAKt10, KK93a, LwCKL13, LX12, Lu05, LKK97, Mh08, Mor00, Nab99, NRT92a, NRT92b, PW15, SHY10, SB05, SW94, VHK01, Auc89, OW88].

Nonuniform [GS03].

Norm [Auj00, BZ98, BE03, CG96, Dax08, FKLR13, GGO13, HN98, HNT99, HK02, NJT00, HGC00, Koh99, LT09, LV10, MMT93, Mat05, Meu11, NS11, Pai09, PO03, RPG96, RPG98, TT14, WS12, FSV14, HC99a, HC99b].

Norm-Minimizing [CG96].

Normal [Bea01, Cha91, FKL96, Fri02, GLPS11, Huc94, Huh01, HL02, Huh02, Ikr97, Ito96, Lás94, HK05, Mau99, Mur91, Mur93].

Normality [Lee96].

Normalized [GN13, PW14a].

Norms [BK97, BGK99, BV07, CDP94, FHL513, GKL95, GZ09, GZ15, HO10, HHSW97, HGC99, HM90, HLS97, IS11, MG10, Mor12, NNF14, PR91, VJ07, ZHA99, ZUL11, LT89, Wim88a].
Normwise [FLV04, Rum03a, WX07]. Note [BHL+93, CA00b, CA02, CA09, CL09, CT15, DD08, DM04, FH93, GG03, Gro97, KZ10, KP09, LT94a, LM03, LR99, Mas94, MNT99, Tum02, Zhe98, BM88, San88, Sun89]. Novel [AFPA07, RCH08]. NP [GG11, HO10, RK95]. NP-Hard [RK95, GG11, HO10, NQZ [ANO11, CPZ11]. Nuclear [LV10]. Null [AD02, AB01, Bar93b, FJ97, GT08, GOS15, Guo02, KSH02, PR16]. Null-Space [FJ97, PR16]. Null-Spaces [KSH02]. Nullspace [IKSG10, Jam92, PW90, SV93]. Number [AMH09, AW10, ABG07, AW05, BDMS10, BDMS12, BGT14, Bor10, CT93, Dhi98, ES05, Far16, GV07, Har05, HR14, KW94, Li06, LP11, LT94b, gSO06a]. Numbers [BK06, CD05, CC09, DMC13, GK93, Grc10, KKT06, Kir02, KPM09, NW98, PT05, RVA05, SST06, VT98, Ede88]. Numerical [BDHS11, BDD14, BLd93, BMX02, BGBM92, BGBM93, CDGS10, CH93b, CG15a, Cho10, CG98a, Cro16, DBW15, Dhw92, GLPS11, GL96, GPTPV16, Gup02, HB94, KM16, LP01, Li91, LR94, LP00, LW05, Lin03, LR05, MG92, MA99, MYK14, Mes08, MHH94, Oovd98s, Ors06, Ple06, RD95, Ste03, Ste11b, Swe93, Treq88a, Tre89, TW03, TU91, Tur97, Var94, Xu05, CJL96a, CJL96b]. Numerically [Fuh07].

Obey [BHKR11]. Object [GL99]. Object-Oriented [GL99]. Objects [NW02]. Oblique [CE02, DLO2, GT99, JK95a, Ste11b]. Observability [Bar94, CT91, EJ90, Wim88b]. Observations [CHZ03]. Observed [CH93b]. Obtained [Pai09, PW14a]. occasion [Moi92]. Odd [LF02b, Mel01, Mel04]. Odd/Even [LF02b]. Odd/Even-Mode [LF02b]. ODEs [KJH16]. Oettli [May12]. Off [CDGS10]. Off-Diagonal [CDGS10]. One-Dimensional [JLS01]. One-Parameter [Tre90]. One-Sided [BB07]. One-Way [BV90, GTW00]. onto [Bor14, Din98]. Operations [LB02]. Operator [CT15, Dri06, HHLW13, J03, KK12, Mat93b, N096, Ps08, RRR06, RHE14, TCTM00, TW03, BM88, BN87]. Operators [AMT90, Beb06, BK90, BTO2, CHH15, CZ03, Ehm97, Gre92, Gru06, HK08, HNH98, HLT91, HLM94, JLS01, KBHH13, Kiu00, KM96, PW03, R095, S013, S013, T013, ZAD13, DS95]. Oppenheim [LZ97, YL00, Zha04]. Optic [Kau06]. Optical [HKBM08]. Optics [Bar08]. Optimal [ADC04, BB05, BBLT06, BOS16, Bet09, BHG07, Bor14, CS09, DP10, DS16, FG15, FL99, GH92, GLS12, GDX11, HB12, HS10, HS13, KN00, KMS01, KMS03, Li06, LC05, LP13, P04, GS97, TS99, TV09, T092, VGA10, W000, Meh88, NW02]. Optimal-Order [DS16]. Optimality [CB00, ES11, OW88]. Optimally [SES95]. Optimization [BM01, BLO03, CDH12, GHN03, GOM02, GGO03, Gl08, Hig93, MYK14, NS010, PSW12, S070, TFL11, V10, WCCL16, ZLQ12, FGS96]. Optimizer [DK13, EDK16]. Optimizing [FN08, HO94, NB10, NP13, OW95]. Optimum [Woz93]. Orbit [DZ01, DK14]. Orbits [DD08, LP08]. Order [BB96, BE03, CG03a, DDV00b, DE08a, DE08b, DN08, Djo08, DD13a, DD13b, DD14, DS16, DIS15, FLV04, GS94, H095, HR14, IAVD11, KB90, KBHH13, KR02, LG16, Lu10, Men08, MJM11, OL99, Pen95, PS04, Sai16, SQ13, SD15b, SH11b, Ste10a, SW05, SW98, Vac94, VBG10, ZG01, dBG08, BS05, Zab89]. Ordered [Har93, JOvdD01, JOvdD04]. Ordering [Alt13, ADD96, ALP07, AL98b, BM03, BS09, DFT92, GO95, Gro97, HP09,
LRN06, NR99, RS94, RE98, YL08].

Orderings
[BT02, Har93, Mas95, Pey01, SS89]. Orders
[He99, JMW96]. Ordinal [W109], Ordinary [WZ95].

Oriented
[BvdG11, GL99, Har97, Mor94]. Origin
[AHH01]. Orthogonal
[BZ98, BV95, BSvdD95, DDL14, DP04, DMM03, EM100, EGGK91, FB95, Fie96, GW07, GLL04, Grc10, GLD08, HLM94, HV97, Jia01, Kol01, Kol03, LB96, LSB16, MV08, Nap13, OST09, Rob16, SB95, Tur03, VFGM05, VVM05, WCY15, CH88, CG90, DGM06, Hon99, Mie88, SB88].

Orthogonality [BP92, EAS98, HS98].

Orthogonalization
[CGLV11, Dax08, RODS15]. Orthogonally
[CCJ +00, DLT15, MHG15]. Orthonormal
[BLW15, IW14, SDC +12]. Orthotropic
[CS89]. Oscillation
[KH13]. Oscillators
[FL99]. Other
[Gre92]. Out-of-Core
[Bé09]. Outer
[ZHY16, CF89]. Output
[CCH98, HJ89, Meh88]. Overall
[DD13b]. Overcoming
[HO98]. Overdetermined
[HM97]. Overlap
[Ber09]. Overlapping
[CG92, S91, Z94]. Overrelaxation
[GH92].

Package
[GL99]. Padé
[Bas89, BL94, CM93, CJL96a, CJL96b, DP00, GN16, Hig01, HL11, HL13, Lu98b].

PageRank
[WW08, BRZ06, GLY15, IK06, IS08, LM06a, SC05, W109].

Path-Sums
[GTJ13, JS07].

Pathways
[LS95]. Pattern
[BSvdD95, D97, Her90, LS95, HPR89]. Patterns
[BMOvdD04, HLW94, KOSvdD07, LOvdD02, SHS03, Tsa98, JJ88]. PDE
[DSSC11, PSW12, Z07].

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[PSW12, Z07]. PDEs
[BOS16, CDGS10, GLS12, Hem95]. Penalized
[YLA97, ZS94]. Bounded-State
[Cor93]. Equivalence
[IM94]. Even-Mode
[LF02b]. Group
Hamiltonian [BBMX02, Meh99].
Hankel [MVP05]. PARAFAC [dMGF14, GMBS12, PTC13, Ste08, SD09, Ste12].
Quotient [GSV00]. Pencil [CH06, DS10, HGC00, JOAKt10, Naj98, SL94, BV88].
Pencils [AA09, AAB10, AT98, BBMX02, BT12, BT13, Boi90, BM06, BMKS14, BMKS15, BS16, BEMG05, CG98b, CG06, DD08, DD16, DK14, EEEK97, EEEK99, EK96, GPM03, HO94, HMT09, HGC99, IM16, IS07, IT11, KL98b, LGCO8, LV06, LW97, Meh99, TU91].
Penrose [BC10, FF99, HH93, HH94, Pat00].
Per-Hermitian [HBW90b].
Pereyra [BEG+09]. Pereyra-Type [BEG+09].
Performance [BS90, BH90, BBM02a, NR99, Swe93, Wat94, JP94].
Periodic [BT06, CCS05, CFL07, GKK99, Kir95, KLX04, LGs02, Sun04, Tam97, BC88].
Periodicity [CD00, DP09].
Permanental [GP88].
Permutation [FJBd15, Stu88].
Permuting [DK99, DK01].
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Perturbation [ABK+11, BCR11, BBGF00, BM06, BEMG05, CGRVCO8, CPS97, CP98, CGP09, CS10a, CLN12, wc03, DDD14a, DDD14b, DD07, Din98, DM05, DO94, EEEK97, EEK99, EI98, ES11, ELM97, Far16, Fie96, FJ06, Gu98a, HY00, Hig03, HC15, IR08, IN09, IM16, JK15, Kags4, Kar11a, KK14, KPC94, KP99, KMP01, Kre05, LMZ03, LN92, Li95, Li98a, Li98b, Li99, LS03, Li05, LS07, LNTX11, LNTX13, LGs02, Lin12, LR99, LT94b, MOC91, Mat93c, Mat97a, Mat97b, MB097, MD03, RA09, RR00, Ste93a, Sun95a, Sun95b, Sun96, gS997, gS98b, Sun04, TVW15, Vac94, Wan15, WD00, WLB05, Wel11, XSW10, XG98, Ye09, Zha93a, ZZ01, dTDM08]. Perturbations [BEGG07, BW93, DD16, EK96, HNT99, Kar11b, Li93, MT15, RS96, RW95, Rum03a, Rum03b, SW94, WD94, WD95, Zab91, AG88b]. Perturbed [AKPP08, ANT09, BBS15, BFZ07, HHH12, Naj98, SEM13].
Phase [Mar11a]. Phenomenon [Hig03].
Photonic [HHLW13]. Pieces [CDs90].
Piecewise [BET02, Gow96].
Pierce [FF93].
Pivot [Gar09].
Pivoting [BS02a, BT02, CCJ+00, DGG+99, DGGX15, DP05, DP07, Fos94, Gor91, GGC09, Hig97, HS14, IT06, KDG13, MM00, SS98, Swe93, Tol97, YC97, HH98].
Placement [MX98, M15, vdWM95]. Plane [AP94, PSS88].
Points [BJ16, CG03b, DD98, Har05, HR04, ZZ99].
POD [CFT16]. POD-Augmented [CFT16].
Point [BG04, BG06a, CH93c, CH03, Din98, DGSW06, Dol07, DJ00, EG15, GGV05, GS10b, GOR14, HD10, JR13, JR08, KC09, LV10, L10, LP13, Mar91, Mes08, Not14, OS10, PW14b, PR16, PU10, PU14, RS02, SZ07, SHY10, SHZ12, SB04, Ts01a, TS99, Tum02, Wri95, WT11, WX07, Zul11, Rum91, Wri97].
Points [AAB10, BGN12, DPP13, DL15, GL13, GKL14, O’N05, de 90].
Pointwise [CRS99, CRS01].
Poisson [CCZ97].
Polyadic [DD13a, DD13b, DD14, DL15, SDC+12, SD15a, SDD15, SD15b].
Polygons [Fie95]. Polyhedral
[Pi94, VF00].
Polynomial [BDD13, BKS08, Bet09, BR01, CSX15, DMR09, FJKM96, FLV04, Gem98, HLT08, KJH16, Lau00, LC15a, LV16, MMM06a, Mur91, Mur93, Mur98, Ref91, SKP11, Sor92, TH01, Wim06, Ash91, BV88, Tre88b].
Polynomial-Time [BN10]. Polynomially
Polynomials [GR97]. Polynomials
[AB16a, AMVW15, BNS13, BMKS14, BMKS15, BdTD11, BV95, BGH95, wC03, Cla10, De 11, DP15, EGK91, FLT10, FIS01, GH91, GW07, GdlI08, GR05, HM04a, HM04b, HMT06, HMTT07, HMT09, IR08, JLZ16, JV04, Kit95, LP01, LP05, LN92, LR94, LY03, LT09, Lin03, MMMM06b, NK01, NST15, RS96, RR4, RI11, Tas15b, TDV15, TZ13, TT98, Xu15, ZZ98b, dSV01, DGIM06, MV88, Per88].

Polytope [GWZ05, GZ09, GZ15, JP09, JCG14].

Polytopes [GP16].

c

Population [KNX04, PL14, KN94]. Posed

Posed [BGT14, ES12, Kil99, KO01, DK88, Fos03].

Posedness [dSL08].

positions [BH96].

Positive [AMT90, AD02, AS94, BGN03, BW95, BJL98, BDR12, BF06, BS10, BHH*08, BT92, CS91, CT08, CCL09, CHLS00, DK95, DHZ03, DY10, EG90, FHG06, FD98, GT04, GH06, GLV10, HLW94, Her90, Hu92, JM03, JJ92, JG99, JH02, JOvdD03, Joh08, JSG15, KORS07, KN91, LLS09, Lat99a, Lau00, Li05, LS11, Lu98b, MV97, Mat92, Mat97b, Mel04, Moa05, NS07, ND06, NY95, NV02, OR93, PE98, PE05, PT05, Pha01, QXX14, Reu02, Roh94, SMBJS13, SH93, Waz03, WZ95, WH90, XG10, Ye09, Zha00, ZWF05, Zha10b, vDMS05, AG88a, FM88, HP89].

Positive-Definite [AFPA07, JSG15, KN91, MV97, Me94, Moa05, WX95]. Positively [SQ13].

Positivity [BD89b, CKP11, DD12, GP93, LGL16].

Possibility [Kolle]. Possible

[GPS96, TM12].

Posteriori [BCW12].

Potential [PYHK93, SC05, WW08],

Potentially [LOvdD02]. Power

[BM01, Del97, HS98, HV05, KM11, KM14, KW92, Ran07, TFL11, BN88].

Power-Compositions [BM01].

Powers

[DD99, HK95, HL11, HL13, IM13, Seb96].

pp [Ano11]. Practical [Lee95]. Practice

[Ano94].

Prager [May12].

Prager-Like [May12].

Precise [AS94].

Precision [CD15, HK95, PP11, GS92].

Preclude [JJ88].

Preconditioned

[Axe92, BN06a, BN06b, BGSC07, CNP94, DFT92, Elm97, FS10, HS10, HS95a, HSC04, IW14, KN09, KK93b, K93a, LH05, Pes14, PW15, RP10, RW92, Ser98, SHY10, SX11].

Preconditioner

[BG04, BS02a, BW99, CT99, ES12, EZ95, For03, GL12, GGV05, JWX03, LS06, SZ99, SB04, SW08, Tan99, XLS16].

Preconditioners

[ACST09, BNW09, BSDC11, BGH*06, BK95, BG06a, BCMM95, Cap98, CP03b, CPS00, Chea, CZZ97, CNW08, DY90, Do17, DS16, EN08, GMP92, G06, Gr92, HO92, KO05, Kil99, LG06, Not14, NV02, P5W12, PR16, SST05, SZ07, SHZ12, TMV10, TS99, Tyr92, Cha89, KCT90].

Preconditioning

[AV91, ABN09, Beh06, BOS16, BH03, Cao02, Cap00, DGSW06, DSSC11, FJKM96, GH03, HJ07, KG00, KL08, LRN06, MT00, NS96, Not06, PAP00, PS04, PU10, RW94, RS09, RS09, Ser96, SEM13, ST14, SCA12, SW08, Vav92, vD99, Ash91, PU14].

preconditionings [KY93]. Predicting [Gil94, GS92]. Prediction

[Elt92, GGC09, NP06, Qia88].

Predictor [BB98].

Preface [LGPS90].

Prescribed

[CE94, CKL04, DJST05, FIS01, NS94, R09, TDV05, BH96].

Presence [CGGS98, Par94, Wat00].

Preserve

[DMS12, Loe90].

Preserved

[DV06b, DV06a].

Preservers [PR88].

Preserving

[BW06, BS91, BS94a, BH08, FHL06, FT16, GLV10, GL10, HMTT05, HLT91, HLM94, HJP03, HLQ09, KRU14, KS12, KLS16, LX06, LGL16, SS06, VZ06, DS95].

Prewavelets [Mae98].

Primitive [Pr013].

Primativity [Ano11, CPZ11, FV98].

Principal
[AR93, Drm00b, JK95b, MTV10, MM00, RST10, XK94, Yan98, dSV01, Özg91].

**Principal-Components** [AR93]. **Principle** [BR00]. **Principles** [BL12, BL13, Bor03, Auc89]. **Priori** [AMS07, EV06, Lat95a]. **Probabilistic** [HI15, KW94, YC97, vDHvdV00]. **Probability** [Spe98]. **Probing** [CM92a]. **Problem** [ASA04, AA94, Afs08, AE97, AHS00, Aru92, BG11, Bai99, BS05, BL12, BL13, Bar93a, BJ98, BBT05, BBTK08, BF00, BGT14, BD90, BGT05b, BHP03, BEGM05, BSTD08, BMU94, BFP05, BW03, CE02, CGS98, Cha00, CP98, CG98a, CG06, CH06, CMT09, CF00, CH99, DBW15, DW06, DD10, DY16, DK08a, FZ16, Fri02, Gow90, GS94, GS02, Gu05, GL10, HLT12, HPS11, HPS13, HPS15, HPS16, HP02, HKP05, HGL05, IM16, JKN11, KM16, Kau93, Kau92, KN98, KN19, KMS01, KMS03, KLX07, LZ14, LMK07, LGCP14, LM03, Lu95, Lu98a, LZ10, LN14, LKK97, Mac99, Mac95, Mal06, MP95a, Mar11a, MLV00, Mat98, Mee09, Meh04, MX98, Mim00, MN97, MPS98, NOZ11, NBS10, PDF16, Ple00, Ple06, Qi13, RW01, Sid95, Sum96, SD12]. **Problem** [TETA05, VZ01, VG09, Ven93, Voo12, VVH11, WE19, Wat93, WE94, Wei92, FX96, ZZ98a, ZFW05, Zha10a, ZXL14, ZF14, dSL08, BJ95, Pan91, San88, Tis93, Tre88a, Tre99, VV88, VV89, WBP89]. **Problems** [ATO07, ABG07, ACST09, ANT09, ABN09, BDY99, Bar98, BST16, VMM15, BDR12, Ben99, BOS16, BG04, BN06b, BMS06, Bet09, BT10b, BH13, BM96, BES08, BMH00, BKK07, BBGF00, Bor10, BS16, BG06a, BGM92, CGCMD13, CPTP99b, CGP09, CG10, CH93c, CKL04, CGH11, CK01, CHZ03, CGS94, CSK95, CC92, CHLS00, DF12, DG19c, DT08, DLM04, DW15, DS10, Do07, DS16, DP05, Ef13, EHvP04, EL97, EW13, FF94, Fio11, FJBD15, For03, For96, FS01, Fos03, Fri92, GH91, GHNV03, GITT96, GP97, GT111, GJTP12, Gre05, Gu98a, Gu98b, GKL97, GKL14, Guo03, GHT09, HY110, HMR01, HS10, HH98, HZ01, HLQ09, Huc92, Ips06, Ips09, IW14, Jam92, JMM14, Ji92, JLS01, Kan96, KKK14, Kau06, Ki09, KO01, Kni04, KMS15, Lan07, LX09, Laut00, LC15a, LV16]. **Problems** [LG06, LY03, LS06, LNTX11, LNTX13, MIMM06a, MMTO8, Mal04, MH13a, MS10, Miy14, MH13b, MH15, MM00, MPS00, NS07, Not14, Ors06, PS05, PYHK93, PSW12, PS04, QL99, QACT13, RT93, RHE14, RSS09, Rod06, RGP96, RGP98, RS02, Rum12, RW92, Saa16, Sch05, SZ07, Sec11, SHZ12, SB04, Svd9V69, SW94, SB11, Sun95a, SV15, Tis01a, TH01, Tis03, Tum02, Van92, wVJBgJ11, Wat01, WD00, WS12, WS00, XE12, YGM09, YBZC16, ZS14, ZH03, ZLQ12, ZBJ15, ZHY16, Zul11, CS98, CLSS8, DK88, GIMT95, JN98, Meh88, MT89, Qia88, Wim88a, Zha95]. **Procedure** [CW96, GIKT95, GGL04, LS16].

**Procedures** [GR00]. **Process** [Arm96, BR08, CR05, Gut92, Gut94, HKV05, Pi10, PP11, Van08]. **Processes** [AG00, Cap98, CC97, Cla10, DQ02, Gdi08, Guo02, LF02a, LP98]. **Processing** [Ar92, SKP11, ZR95, Cri88, Fu88].

**Procrustes** [AE97, SB88]. **Product** [Alt13, Bar98, BOS13, BK90, BvdMR97, GSV00, GK06, GR00, HS07, K00, Kar11a, KT10b, LS11, LW15, MMT05, MV02, MV07a, MP98, NNP04, RHE14, Sen06, SB03, Van10, Zh10a, ZR95, FM88, Tre88b]. **Product/Quotient** [GSV00].

**Products** [BJ07, BF05, CDH12, FF94, FHLS13, FIS01, GT111, GLP01, GP04, HM90, HLS97, JRT13, MMT08, Mac98, MSZ15, Rod05, WZ95, Zha97, HC89a, HC89b, PS88, Zha95]. **Profile** [PK93, PK94]. **Programming** [Ari00, AB01, ES92, FGPM91, FS01, GS10a, Gil13, HXY11, LT97, LP11, MW01, OS09, PJ98, MT89]. **Projected** [CFL07, GOR14]. **Projecting** [Din98].
GG11, GGL04, GQ14, Grc10, GV07, GE94, GL13, HY01, He95, HLW94, HS13, IAVD11, IAV13, IUM14, JK15, JKN11, KM16, KK12, KDGG13, KLo7, KR02, Kol03, KO15, Kon00, KT11, LLZ09, LC16, LW02b, LZ05a, MU13, MH15, MD03, MHG15, MMB08, NS11, NW14, OSS14, PK93, PK94, Pan93, PE95, PL97, PL14, Qi11, Rie92, SCPW12, SS10, SMBJS13, SB92.

Rank [SC10, SD15a, SDD15, Ste08, Ste10a, Ste13, Ste93b, Tas15a, VV10, VYH11, WC14, WCY15, WS12, WCCL16, WD94, WD95, XLS16, XX16, XG10, Zab91, ZZ99, ZG01, ZS02, ZS04, ZLQ12, Zld12, dSL08, dTDM08, vdV96, AG88b, BK89, Wim88a].

Rank- [BLW15, BV00, ES09, GGL04, KR02, Kon00, NW14, DDV00b, De11, SD15a, SDD15].

Rank-1 [DDV00b, Ste10a, ZLQ12].

Rank-Constrained [FT07].

Rank-Deficient [Fos03, HS13, MH15].

Rank-One [Arg15, BGG07, GE94, JK15, MHG15, PL14, Qi11, SB92, WC14, ZG01].

Rank-Reducing [WD95].

Rank-Revealing [GGCM13, CI94, HY01, LLZ09, LZ05a, Pe95, Ste93b].

Rank-Structured [XG10, Zhl12].

Ranking [WI09].

Rapidly [Auc91].

Rate [Guo01a, KNX04].

Rates [BMF03, LFW13, Nab99].

Ratio [NBS10, QI11].

Rational [AB16a, BL00, BGW10, VMM15, BG15, BV00, BD90, DSZ14, FKLR13, GG14, HB12, Ian09, KL91, KO15, KK93b, KK93a, LM98a, Lie08, LW94, MV97, Nov11, OV99, Sid95, SB11, VFGM05, CF89].

rationally [Tre88a].

Raviart [PS04].

Rayleigh [BF89, BD09, CHD12, HA98, KA10, Not03, RS08, SX11, Tan94, XE10, ZLX14, ZAK13].

Rayleigh-Quotients [CHD12].

Reachability [BF06, NT08].

Reachable [Men12].

Reaction [KS15].

Real [AA94, BGMN15, Che01b, Chu91, CP03c, CDN14, DMP96, DLT15, Fio11, FG94, FIS01, GZ09, GL13, GR05, Hig92, HDT10, JW11, JLZ16, JP93, KN91, Li06, LKK97, MV07b, Mel99, Nab00, PDF16, Pen01, Pen05, Roh93, SHJ09, Tam99, TY02, Tre90, Voo12, WD94, XZC99, Zha05, vdMRR01, AG88a].

Real-Structured [BGMN15].

Real-Symmetric [Fio11].

Real-Valued [CP03c, JG11, JLZ16].

Realization [CFL07, FPST13, LM90, Par99].

Realizations [FN04, HMP94, JK97, Par92, Wim88a].

Realness [ABK11, CT08].

Recapture [BP92].

Reciprocal [LF02a].

Reconstruction [Bar08, BKK91, GS03, ZHP10, HM89].

reconstructive [Sal88].

Recovery [BIS12, BD11, DDM10, GQ14, WCCL16].

Rectangular [Baz00, BHL93, BD10, GT04, GT08, HLS97, WA07, YL08].

Recurrence [ESS12, ZZ98b].

Recurrences [GS00b, GR00].

Recurrent [Guo02].

Recursion [BM00].

Recursions [BLAK91].

Recursive [AHS00, Béru09, CS01, CGV03, Ks08, LM03, Qia88, ST01, Tam97, Wel11, ZWF05, ZZLY02].

Recursively [Gre97].

Recycling [CFT16].

Reduced [GV99, Gre99, NS96].

Reducibility [LV94].

Reducible [BCCG10, EHW10].

Reducing [DYH06, GMN16, RS06, WD95, YB91].

Reduction [AG91b, Bar02, Bar94, BB12, BB96, BG94, DV07, DD14, Fei94, FG15, GV04, GPM03, Gei91, GP97, GAB08, Gho03, HMR01, HJP03, JKS95a, Law13, MJM11, NBS10, OST08, OST09, Ost10, PYHK93, Par92, RT99, Sis04, VVM05, VGA10].

Reductions [SH91b].

Reeves [YBZC16].

Referees [Aano97].

Reference [Tol97].

Refinable [Han03, JRZ99, RST01].

Refined [Eir00, HP92a, IN09, JN03].

Refinement [BES05, DHT01, JDS03, Tis01a, Hav89].

Refinements [CP11].

Reflection [BKK91].

Reflexive [Che98, NNP04, Wan98b].

Region
[IAVD11, Kir92, SW94]. Regions [HL02].
Regression [BE07, Fei94, O’L90]. Regular [Bez12, Cao00a, Cao00b, DD16, LV06, Pow88].
Regularity [FGP00, GP16, JR99, RR98, RST01].
Regularization [BE07, BGMN92, CCH98, GH099, KS99, KO01, KLX04, Mal03, MH13a, PSW12, WX16].
Regularization-Robust [PSW12].
Regularized [BBTT06, BBTK08, BST16, DGSW06, Dol07, LC16, LPT10, RG05, SNC02, SHZ12].
Regularizing [HJ07].
Regulators [KB90].
Related [Alt13, BF93, BKMS14, CZ03, Cro16, CKP11, DMC13, DLM04, DK98, FS01, Gut92, Gut94, Gut14, HLS97, May12, MP91, PK93, PK94, SWYM96, ZLQ12, Bas89, BBDS95].
Relation [Fie95, Not96, Tam97, Xu98, ZZ98b, MV88].
Relations [BS02b, CG96, EGGR99, GP03, HLT91, Mat05]. Relationship [CG92, HPS+11, PP05b, Peñ98].
Relationships [CF02]. Relative [Bar00b, DDY14b, DP04, DMM03, DMM08, DH97, El98, HC15, Le 96, Li98a, Li98b, Li99, Li05, LR99, Par05, Tru06, Ye99].
Relative-Error [DMM08]. Relatively [WL06]. Relaxation [AW00, BF05, ENV92, HZ01, LZ10, Wož93].
Relaxations [FJBd15, Hel00, NW14, Sch05]. Reliable [Dhi98, Rat11]. Remark [Lat95b].
Remarks [BGT05a, Fri16, Wei95].
Renumbering [BW99]. Reordering [GK06, Zha01]. Reorderings [LC05].
Reorthogonalizing [GGL04].
Repartitioning [GH92]. Repeated [AT98, BS96, QACT13]. Replacement [CD14]. Representation [DV08b, FS97, GdlH08, KK12, Mar11b, Sai16, Ste16, SB95, SB03, Wei96].
Representations [CDG+05, CGP06, CDG+07, HLW05, HR00, J LZ16, LHC16, MW01, WLW06, WL12].
Representing [Tig91]. Reputation [dK10]. Require [Tsa98]. Rescaling [Hu92]. Research [GKL12]. Residual [CD14, CGLV11, DH97, Ern00, FJKM96, Gre97, HJ07, Mat98, Mei11, Saa06, Ste91b, gS96, Tru06]. Residual-Minimizing [Ern00]. Residual-type [Saa06]. Residuals [BD09, Grc10]. Resolution [CC92].
Resonance [GS06]. Respect [RODS15, WD94]. Response [BL12, BL13, ZXL14, MP88]. Restart [WS00]. Restarted [BJM05, BER04, BF00, FGS14a, JK97, JN03, LS96, Leho1, MR97, Mor95, Mor97, NZ16, Sim00, XE12].
Results [BLd93, Cho10, DG91b, Dim98, Djo08, DD13a, Fer97, GS02, GWZ05, KS03, Mei04, Men99, MT00, MPS98, NP96, Ser98, Wil08, YL00, YY10, YY11, von93, CRR99].
Resumptions [GTJ13]. Retrieval [BR05]. Revealing [CGCDM13, C94, DGGX15, DK96, FB95, HY01, KDDG13, LLZ90, LZ05b, PE95, PL97, Ste93b].
Reverse [BMRZ94, Djo08]. Reversible [DR93]. Review [AYLR04, Meu92].
Revisited [Dub00, Hig05, Pey01].
reweighted [OL90]. Riccati [BIP08, CR10, FHS09, Guo98, GL00b, GL00a, Guo10b, GHS07, GIM08, JL98, JOAKt10, KP99, LwCKL13, Lim07, Lgs02, LX06, LX12, Lu05, MORM, MX09, Sald95a, gS98b, Sm04, gWcWL12].
Riccati-Type [LV06]. Riemannian [BS10, CDH12, IAVD11, Lim13, VV10, WCCL16, YBZC16, Zha10a, ZBJ15].
Riesz [vdMS05]. Right [GRT07, HPS13, HS16, HP02, KS92, MB10, Ple00, WCW10].
Right-Hand
[GRT07, HPS13, HPS16, KS92, MB10].

**Rightmost** [EW13, MR97]. **Rigidity** [ST08, SC10]. **Rigorous** [CS10a, DN11].

**Ritz** [AKPP08, BGV10, BD09, CE12, Hav98, KA07, KA10, PP11, Tan94, TM12, Wüll05, ZXL14]. **Robert** [Joh96]. **Robust** [AL98b, BH90, BLO03, DLMT13, E13, EL97, GQ14, KB93, LGWX12, NK01, O’L90, PSW12, SNC02, Sch05, WLV06, WT11, XG10, Yan93, Zha01, Zul11].

**RobustMap** [Ost10]. **Robustness** [BCGG10, Gil13, WD94].

**Role** [Liu90].

**Root** [DK98, EKNX93, GH06, HMMT05, Ian06, Ian09, KNOX02, Mat97a, Mei04, KN94]. **Roots** [AMVW15, CG15b, FH10, GR05, LB02, Lu95b, MS91, NST15, Smi07, JN89].

**Roots** [AMVW15, CG15b, FH10, GR05, LB02, Lu95b, MS91, NST15, Smi07, JN89]. **Rounding** [SvdVM00]. **Row** [CH06, CH09, DG97, F97, G05, GF09, GNNP94, RS94, RSS94, Pan91]. **Row-Wise** [CH99].

**Rows** [GN03]. **RQ** [SY98]. **Rule** [DTGV10, Mat96, SW98]. **Rules** [CKR05, LK95, Xu15].

**Rutishauser** [WE90].

**S** [CT15, WW08]. **Saddle** [BG04, BG06a, CHZ03, DGSW06, Doi07, EG15, GG05, GS10b, GOR14, HZ01, JI98, KC09, LZ10, Not14, OS10, PW14b, PR16, PU10, PU14, RS02, SO7, SHY10, SHZ12, SB04, Tüm02, WT11, XW07, Zul11].

**Saddle-Point** [CHZ03, DGSW06, EG15, GOR14, HZ01, Tüm02]. **Saddlepoint** [RW92]. **Saddlepoints** [Men99]. **Sammon** [ZLN10]. **Sample** [BM10, GKL95, GKL97]. **Sampling** [AKP08, GS03, IW14, XXCB14, XXG12].

**Sandwich** [Jia98]. **Satisfy** [ZZ98b]. **Satisfying** [CG03a]. **Scalable** [vD99]. **Scalar** [ACST09, BvdMR97, Kar11a, MMT05, MMT08]. **Scale** [BSFM10, BHM00, ES92, FM93a, GH07a, GAB08, HXY11, JI95a, LC15b, LvCKL13, MS10, OS09, PR12, SS13, SK16, SY98, HC89a, HC89b].

**Scaled** [CE02, GN16, Mat09, HD97].

**Scaling** [AMH10, AP94, BBS15, Bet09, BZ00, BX08, CH94, DP05, FLV04, Fay95, Hig05, HO15, JS15, KL92, KZ10, KRU14, RS994, SW97].

**Scaling-Rotation** [JSG15]. **Scalings** [BB95, Gre92]. **Schatten** [FHL13].

**Scheduling** [ADLK01, ADV05]. **Scheme** [ALN07, ALP07, IAVD11, NY95]. **Schemes** [Bo03, JZ99, Whi00, vD93, Whi89].

**Schmidt** [BP92, GGL04, PRS06, Ste05, VNVM14].

**Schödinger** [JLS01]. **Schubert** [YL16].

**Schur** [GLV10, Ste02, ALAK94, ABN09, BLAK91, BL10, CO99, CS96b, CDGS10, CLN12, CNW08, CH88, DH03, DSV04, DVO6b, ET10, GKKX94, KGO6, GH06, HL11, HL13, HS95b, HLS97, IM13, JMM14, KL98a, KPC94, KMP01, LZO5b, MMOV7b, MS95, SM03, Ste01, Sun95b, vD96].

**Schur-Monotonic** [GLV10]. **Schwarz** [Bo09, BPS05, FS97, FNS08, HM90, NS07].

**Scores** [HIW15]. **Search** [Hig93, RCH08].

**Searches** [HK01]. **Secant** [CFG98]. **Second** [BS05, BH93, BB96, FLV04, G93, Ko99, OL99, OW95, PS04, Vac94].

**Second-Moment** [BH93]. **Second-Order** [BB96, OL99, PS04, Vac94, BS05]. **Section** [LGPS90, MG92, NP99].

**Sections** [Rog05, Sm03]. **Secular** [LB02]. **Seidel** [MN15]. **Selected** [XXCB15]. **Selection** [AB13, CB00, Lu10, RE98, dBG08].

**Self** [Ca09, LP01, LWYW14, Per88, WE89, WE90, YGM09, ZAK13, vDS05].

**Self-Adjoint** [Ca09, LP01, ZAK13, vDS05].

**Self-Consistent** [LWWY14, YGM09].

**Self-dual** [Per88]. **Self-equivalent** [WE89].

**Self-Similar** [WE90]. **Selfadjoint** [KL98b, RR06, ZZTA02]. **Semantic** [VS14, ZZ99]. **Semencul** [AG91a]. **Semi...
[BY88, GK15, LHC16]. Semi-iterative [BY88]. Semi-Nonnegative [GK15]. Semi-Separable [LHC16]. Semicircle [BZ07]. Semiconvergence [AM05]. Semidefinite [AD02, BS10, BHH+08, CS01, Car94, CFG98, DHZ03, DH97, DY10, FNS08, GS10a, GS02, HXY11, Hel00, HLW94, Her90, JT98, Lan00, IWXZ06, Ma04, MW01, NS07, NW14, Ste10b, SH93, WZ95, Zha00, HPR89]. Semidirect [HG97]. Semigroups [GR97, Jia98]. Semimonotone [MP95b]. Semiproximal [BST16]. Semirings [Pat00]. Semiseparable [CG03b, CDG+05, CGP06, GLV10, Har05, Mar11b, VVM05]. Semisimple [LMZ03, Lan07, QCT15]. Semismooth [DS16, Qi13]. Semismoothness [QY04]. Sense [HPS16]. Sensing [JKN11]. Sensitivity [Arg15, FC01, DD99, LM98a, Pau90, PW14a, Tam97]. Sequences [Arg15, FC01, DD99, LM98a, Pau90, PW14a, Tam97]. Sets [AMT90, BN10, CRS99, CS01, DLT15, GGO13, GZ15, GP16, Kar11a, May12, MPS00, Pop12, Pro13, SU94]. Several Separators [Bin90, CCG+09]. Shaply [WW08]. Shaped [AKM97]. shared [KP92]. Sharp [BT92, Din06, TVW15, PS88]. Shary [Neu00]. Sherman [Rie92]. Shift [BMS06, FS10, GS03, MV02, ZZ99, HL06]. Shift-Invariant [GS03]. Shift-Invert [FS10, HL06]. Shifted [CM03, GLS94, Guo03, GIM08, HMR01, KM11, KM14, MV07a]. Shifting [MP91, vdG93]. Shifts [BBM02a, Emb09, Wat95, Zhe12]. Short [ESS+12]. Short-Term [ESS+12]. shorted [BM88]. SIAM [Art01, CH93a, LC93b, WW08, GIM97, Ikr97]. Sided [BB07, C092, Fie96, SWY96]. Sides [GRT07, HPS13, HS01, KS92, MB10]. Sign [BD98a, BMo9d04, BC92, BD15, BM09, CK00, HMMT04, JMO93, KL91, KL92, KOVd07, LOvd02, LS06, Pe01, Sha95, SHS03, Tsa98, JJS88]. Sign-Central [BD15]. Sign-Nonsingular [BC92]. Sign-Solvability [SH95, Sha95]. Signal [Aru92, SPK11, ZR95, Fuh88]. Signatures [Wim06]. Signed [HK09, SHS03]. Significance [Van92]. SIMD [BMSV92]. Similar [LLS09, SL09, WE90]. Similarity [CG15a, FP98, GKK09, IM94, LPS08, VVM05, dSV01, CH88]. Similarity/Equivalence [IM94]. Simple [Bo09, G14, Lu05, OP05, Ste10b, Tam99, WLB05]. Simpler [JRG09]. Simultaneous [AhS98, Bin00, BGBM93, CS96a, DDV04, De 06, H10, O09, PR91, Sut12, CJL96a, CJL96b]. Sinc [NP02]. Sine [CDD00]. Single [AD98, BMU04, CHH+15, MX08, Min15, SX11, Me188]. Single-Curl [CHH+15]. Single-Input [AD98, BMU94, MX98, Min15]. Similarity/Equivalence [IM94]. Simple [Bo09, G14, Lu05, OP05, Ste10b, Tam99, WLB05]. Simpler [JRG09]. Simultaneous [AhS98, Bin00, BGBM93, CS96a, DDV04, De 06, H10, O09, PR91, Sut12, CJL96a, CJL96b]. Sinc [NP02]. Sine [CDD00]. Single [AD98, BMU94, CHH+15, MX98, Min15, SX11, Me188]. Single-Curl [CHH+15]. Single-Input [AD98, BMU94, MX98, Min15]. Single-Vector [SX11]. Simply [Tis03]. Singular [AMMS08, AH01, BB08, BMS05, BV09, B02, BL02, BGT14, BB96, BK90, B09, BV07, Ca08, CV03, CL09, CT15, CHH+15, CFG07, CCH98, CDD00, DDDV00a, DG91a, DV92a, De 94b, DDD0, Dem92, D09, D09, Drm99a, ES12, Fer98, Fri05, Gra10, GE95c, Han94, HMP94, HHSW97, HDT10, HOS0, HJP03, HC15, IS07, JS94, J03, JN1, JN93, Kit95, LC15b, Li93, Li98a, Li98b, LM02, LS07, MS02, MV92, MM94, MS03, O’N05, P94, PP05a, RY05, RW95, Rog05, Rum97, SCBG05, SS06, SWZ11, Sl03, SB01, G100a, G100b, GS00a, GS01].
Singularities [MS99, VJ07]. Singular [Bea01, FP16, LH05, RR98, Roh93, Wan98a].
Singular-Induced [Bea01]. Singularly [Naj98]. Sinkhorn [Kni08]. Size [CNW08, KNX04]. Size-Classified [KNX04]. Skeleton [CD13].
Skeew [AKM97, BGN03, BLdP97, BBMX02, Ben09, DHZ03, DK14, Fer98, GV09, GPTPV16, Hac93, Hla08, Kre05, Meh99, Rod05, RP10, SB04, Tam98, TY02, Tre05, Yas03].
Skeew-Adjoint [Rod05]. Skeew-Centrosymmetric [TY02, Yas03]. Skeew-Hamiltonian/Hermitian [BBMX02, Meh99]. Skeew-Hamiltonian [BBMX02, Kre05, Rod05, SB04, Tam98, TY02, Tre05, Yas03].
Skeew-Centrosymmetric [TY02, Yas03]. Skeew-Adjoint [Rod05]. Skeew-Hamiltonian/Hermitian [BBMX02, Meh99]. Skeew-Hamiltonian/Hermitian [BBMX02, Meh99]. Skeew-Hamiltonian [BBMX02, Kre05, Rod05, SB04].
Skew-Symmetric [AKM97, BGN03, BLdP97, BBMX02, Ben09, DHZ03, DK14, Fer98, GV09, GPTPV16, Hac93, Hla08, Kre05, Meh99, Rod05, RP10, SB04, Tam98, TY02, Tre05, Yas03].
Skeew-Centrosymmetric [TY02, Yas03]. Skeew-Hamiltonian/Hermitian [BBMX02, Meh99]. Skeew-Hamiltonian/Hermitian [BBMX02, Meh99]. Skeew-Hamiltonian [BBMX02, Kre05, Rod05, SB04].
Skeew-Symmetric [AKM97, BGN03, BLdP97, BBMX02, Ben09, DHZ03, DK14, Fer98, GV09, GPTPV16, Hac93, Hla08, Kre05, Meh99, Rod05, Tam98, TY02, Tre05, Yas03].
Skeew-Centrosymmetric [TY02, Yas03]. Skeew-Hamiltonian/Hermitian [BBMX02, Meh99]. Skeew-Hamiltonian/Hermitian [BBMX02, Meh99]. Skeew-Hamiltonian [BBMX02, Kre05, Rod05, SB04].
Skeew-Symmetric [AKM97, BLdP97, DHZ03, Fer98, GV09, GPTPV16, Hac93, Rod05, Tam98, DK14].
Skeew-Symmetric [AKM97, BLdP97, DHZ03, Fer98, GV09, GPTPV16, Hac93, Rod05, Tam98, DK14].
Skeew-Symmetric [AKM97, BLdP97, DHZ03, Fer98, GV09, GPTPV16, Hac93, Rod05, Tam98, DK14].
Skeew-Symmetric [AKM97, BLdP97, DHZ03, Fer98, GV09, GPTPV16, Hac93, Rod05, Tam98, DK14].
Skeew-Symmetric [AKM97, BLdP97, DHZ03, Fer98, GV09, GPTPV16, Hac93, Rod05, Tam98, DK14].
[Ari00, AB01, AL98b, AKP08, BV92, BLP90, BM02, BW99, BT02, BFP95, BrD07, Cav94, CDG+07, Che01a, CC09, CG90, DD97, DH99, DH01, DH05, DGL09, DEG+99, DD12, DK99, DK01, DP05, DP07, EL92, EL05, EL08, GL99, GMS92, GL93, GNP94, Gil94, GO95, GT08, GGC09, GS94, Gup02, HS13, HS14, KU13, LGPS90, LS06, LC05, Liu90, LNP93, LB96, Lu10, LN14, LKK97, MSZ15, NP96, NP99, NR99, NY95, Pl97, RS06, Re02, RS94, RE98, SZ99, SY00, SV93, SV15, Tan99, TW00, Vog99, XLS16, Xia13, XCCB15, ZZS02, ZZS04, dBG08, vD99, vdSBvdV93, ADD89, DY90, KY93, Liu88, PSL90].

Sparsity [CK12, HJOvdD93, HLW94, HPR89].

Spatially [Par94].

SPD [LGWX12].

Specific [BG94, BJ16, Che98, DCM08, Fie95, Fie00, Ips06, IS08, Ips09, LGPS90, MG92, NP99, SHS03, Tho94, BH08, HM89].

Specified [COV14].

Spectral [Alt13, AG91b, BMfY03, BSvdD95, BGSC07, BE03, BN05, BN10, BZ00, BGCG10, BCW12, CSX15, Cap00, CF99, CG98b, Cle00, CGH10, FGJ00, FST+13, FC01, FL99, GSCS15, GP97, GO06, GS06, GS10b, Gr10, GR93, GM98, GGO13, HNT99, HGC00, JJ03, JW11, JC14, Kar11a, KK93b, KK93a, Lan07, LS01, MS97, Mat97b, MW01, Mon11, NNF14, NP13, NCS10, Pr01, PBJ10, QY04, Sen06, SB04, SQ13, TP14, TY02, Tig91, Tre90, Tre94, WS12, We11, XE12, YH06, BD96, OW88].

Spectrally [BMOvdD04].

Spectroscopy [LW05].

Spectrum [Chu91, CG98a, DJST05, FT16, GMS90, MS03, PV09, ZAK13, DS95].

Sphere [CDLP05].

Spherical [ZLQ12].

SPIKE [MM99].

Spline [HHRV99, GBCW89].

Splittings [Cao00a].

Spring [NW02].

Splittings [BG94, BJ16, Che98, DCM08, Fie95, Fie00, Ips06, IS08, Ips09, LGPS90, MG92, NP99, SHS03, Tho94, BH08, HM89].

Specific [COV14].

Specified [CHKL01, Chu91, CS10b, Dan93, KKM14].

Spectra [HSC04, IZ04, KA07, MT00, Ser98].

Spectral [Alt13, AG91b, BMfY03, BSvdD95, BGSC07, BE03, BN05, BN10, BZ00, BGCG10, BCW12, CSX15, Cap00, CF99, CG98b, Cle00, CGH10, FGJ00, FST+13, FC01, FL99, GSCS15, GP97, GO06, GS06, GS10b, Gr10, GR93, GM98, GGO13, HNT99, HGC00, JJ03, JW11, JC14, Kar11a, KK93b, KK93a, Lan07, LS01, MS97, Mat97b, MW01, Mon11, NNF14, NP13, NCS10, Pr01, PBJ10, QY04, Sen06, SB04, SQ13, TP14, TY02, Tig91, Tre90, Tre94, WS12, We11, XE12, YH06, BD96, OW88].

Squaring [AMH10, BBS15, Hig05].

Stability [BH90, BvdG11, BES98, Bjö14, BLO03, BX08, CMT09, Cor93, DLM13, FLM10, FJ97, FGS96, GSS96, GLT96, Hig90b, Hig92, Hig97, IM94, JWX03, KB93, KZ10, Knu04, KV14, LR05, LSB16, MS99, Mai99, MT15, NH12, OOVdD98, OP05, PR06, Pas10, RR08, Roh94, RT99, SV97, SS98, Ste03, Tis01b, TS90, Tro90, Wat95, Wri95, Wri97, XX16, YP98, Yal00, Yan98, ZFW07, BBDS95, BDV89, JJ88].

Stabilization [HY00, Wul05].

Stabilized [Ern00, LZ10, Sim97, VHK01].

Stabilizing [CS96b, OS09].

Stable [AB05, AMVW15, Bar00a, CM93, CS98, CS98, Cha00, CG03b, CH99, DP07, rFO06, FGS14b, Fuh07, Gov91a, GE94, Gu98c, GGbCC03, HU92, JK97, JRG09, LS10, LW97, LOvdD02, PLM94, RR08, Sut12,
TCTM00, Tro90, Vav94, XXCB14, XSW10, ZS14, CJL96b, GL03. Stage
[SJ92, YLA97, SB01]. Staircase
[EEK99, EM[00, SZK95]. Start
[De97, KW92]. State
[BH90, BH93, BGMN92, CMT99, Cle00, Cor93, DGMR00, HS10, KLM04, LFW13, BHKR11, Zab89]. State-Discretization
[DGMR00]. state-feedback
[Zab89]. State-Space
[BH90, Cle00]. States
[DA05, NT08]. Stationary
[BF11, Cao08, FNS08, GV99, KS15, LF02a, Liu12, MS02, Mey94, OW96]. Statistical
[BCR11, GKL95, GKL97, GV99, KS15, LF02a, Liu12, MS02, Mey94, OW96]. Steepest
[KL08]. Step
[AV91, CD14, CD15, KMN11, Sle09, Sor92]. Steps
[Sle09]. Stepwise
[Mim00]. Stiefel
[LWW15]. Stieltjes
[Bas89, FGS14a, MMS94, NV94]. Stiffness
[GS05]. Stochastic
[AK90, BF11, CG98a, DGMR00, EU10, Fie95, FST+13, GDF01, HR93, MW12, PU10, PU14, Pul13, Sen98, WSSL06, YBZC16, Hav89]. Stokes
[Elm97, WT11]. Stopping
[ADR92, Ari13, CPTP09b, EL91]. Strang
[KO05]. Strategies
[DP05, DP07, Kon00, RE98, Ser96]. Strategy
[BF05, CD14, Zha01]. Stratification
[EEK99, EJK99, FGP00, aIGP98, Huh01]. Stratification-Enhanced
[EE99]. Strict
[BD15, Zie95]. Strictly
[GP06, MMS94, NV94]. Strong
[BS94b, Ger92, Yal00, BDV89]. Stronger
[FJ96]. Strongly
[BS94a, Mal06, Tas15b]. Structural
[EL92]. Structure
[AFPA07, BRR00, BFZ07, Bar98, BS15, Bol90, BHR10, CK91, CSK95, De 94b, Di 09, DLM04, Gil94, Gre95, GGC09, GL10, HH93, HJP93, HLQ09, HKBM08, K94, KO95, KT10b, KS12, KL16, LP96, LGC08, LX06, K95, MBO97, MD03, NP96, ZZ99, ZZ01, dTDM08, DS95]. Structure-Preserving
RR08, Rod05, Ste16, SL94, Tam99, WLB05, YL16. Substochastic [Har99].

Substructures [ST08]. Substructuring [EV06, PW90]. Successive
[Effl3, GH92, MHG15]. Successively [JOvdD01, JOvdD04]. Such [JKM11].

Sufficient
[BM00, Cor93, CC92, LS91, Mor12, MM00, RR98, ST08, ZWF05, Gad88, Pan91]. Sum
[BLW15, BLdP97, Her96, LPS08, OW92].

Sums [BLW15, BLdP97, Her96, LPS08, OW92].

Superdiagonal [Tam98]. Superfast
[AG88a, CGS+08, FLM12, Ste03, VHK01, XCCB14, XCG10, XCG12].

Superlinear [CT99, CP03b]. Supernodal
[DGL99, DEG+99]. Supernodes [LNP93].

Superresolution [ZGP10].

Support [BGH+06, BH03, BGH07, SW97]. Support-Graph [BGH+06].

Surfaces [Nie10]. SVD
[CS09, DP09, DM04, DV08c, DV08d, GSV00, GL05, GE95a, LGC+14, MVV93, Par05, Vac94, WLW06, Xu05, Zip99].

SVD-like [Xu05]. SVDs [CF02, Koe05, Zip99].

Swartztrauber [Tsa94]. Sylvester
[AT07, BMO92, CBJL96a, DK15, GL96, GH07a, HM97, KP92, Kâg94, Li99, SS13].

Sylvester-type [DK15]. Symbol [GCS15].

Symbolic [EL92, GCC09, Gust02]. Symbols
[BV07, HK12]. Symmetric [AM95, AKM97, AT98, AC92, Arg15, AFPA07, AGL98, Auc91, BNW09, BBD+14, BO96, BOCL97, Bar93a, BLdP97, BR08, BS96, BL91, Bor14, Cao00a, Cao09, CD15, Cav94, Cha00, CFJKS13, CH98, CE04, CG98b, CGLM08, CDN14, CW96, DHT01, DHZ03, DMM03, DK06, DP05, DP07, EG00, rFO06, Fer98, Fri92, Fri16, GITT96, GI00, GIK00, GSS96, GV09, GPTV16, GLS94, GL05, GE94, GLV10, Hac93, HO94, Han03, HM04a, HB94, HY01, HR00, Her96, HM070, Hla08, HS14, HV05, IT06, IAV13, Jia01, JZL16, JP93, JLS01, JSG15, Kau93, KN91, LZ14, LF02b, LM03, Lu08b, MV97, MV13, Mat09, May12, Mec03, MB10, Mel99, Mel04, Meu92, Moa05, MH15, NS07, NOZ11, NY95, NV02, OW92, OW95, PM06, Ral11, RBB90, Reu02, Rob16, RS92, Rod05, RODS15].

Symmetric
[SS07, SS10, SvdVM00, ST14, Tam98, TY02, TL06, Tis04, Tre90, Tre05, Tur03, VGV09, VYH11, WZ91, Wh90, WS00, XLS16, XG10, Ye09, Zha05, ZWF05, ZLQ12, ZS07, vDHvdV00, Ali89, BDV89, DK14, FG96, GE95b, JP94, Liu88, Ove88, Tre88a].

Symmetric-Definite [Cha00, CG98b].

Symmetric-Indefinite [BD98]. Symmetrization [ALN07]. Symmetrized [DD98]. Symmetry [CCL09, EL92, HM04a, KRU14, SS06, Ste11a]. Symplectic
[BF00, DJ09, Fio11, GKL14, KS12, KLS16, LW97, Meh88].

Synthesis [JKM11].

System [AB16a, BFZ07, DH93, DK05, FPST13, FL99, JW11, KPC94, LV10, MR97, PGVR98, RBB90, WCC10, WR97].

Systems
[AM95, ADC04, AK90, BGN03, RRR00, Bar08, BSFM10, BEB07, BEG+09, BB12, BF06, BH90, BH93, BM99, BG94, Bor03, BF05, BLNT13, BW97, BGMN92, BCW12, CT91, CP03a, Cao08, CP03b, CPS00, C95b, CS98, CG03b, CGS+14, CCZ97, CW08, C989, CH06, CFL07, CT08, CK00, Cor93, CG96, DGMR00, DTGV10, DL03, DGSW06, DS16, DSZ14, DP07, ENV92, ES12, EG00, EG15, EL91, FLM10, FLM12, FG15, FJ97, FV98, FNS08, FLKR13, GV04, GL03, Ger92, GMP92, GSS96, GL96, GV05, GRT07, GOR14, Gov91a, GR15, GTI11, GV99, Gre99, GV09, Gu98c, GAB08, GHL03, GHR95, Han94, HMP94, Hig90a, Hig90b, HH92, HS14, HO92, HV05, IKSG10, JON92, KGW00, KC09, KS08, KT10b, KT11, KĽX04, Lan07, LW02a, LWX06, LM90, Lu94].

Systems
[Lu95, Lu96, Lu98a, LH05, LT94b, MV02,
MV07a, MV07b, Mat92, Mee03, MB10, Mel01, Men08, Men12, MG10, MJM11, Mim15, Mor00, NRT92b, NP02, NY95, NV02, OS10, PAP00, PS05, PR16, Pop12, Pop15, PU10, RT93, RE13, RD95, RY05, RK95, Roh03, Run12, Ser96, S97, SvdVM00, ST14, gSS97, gS98a, SZK95, SJ92, TV09, VHK01, Var94, Vav94, Wei95, XCGL10, XXG12, XW07, YP98, Yan93, dKV10, vdES04, vdWM95, AG88a, ADD89, Ash91, BDL89, CGLM08, CDH12, De08a, De08b, DN08, DCM08, De11, DW15, E613a, E613b, DD12, DD14, Fri16, Gra10, IAVD11, IAV13, KBBH13, KR02, LRSV13, MHG15, NQB14, QXX14, Rob16, Sai16, SQ13, SD15b, VNVMI4, WC14, YY10, YY11, ZG01, ZZQ14. Term [BLAK91, ESS+12, GR00, ZZ98b, GS00b]. Terms [BLW15, De 08a, De 08b, DN08, De 11, SD15a, SDD15, St10a, St12]. Test [OP05, vdmMS05, Stu89]. Tests [MH13a]. Text [HJP03]. th

[Jan09, Smi03, Ste10a, Ian06, GH06]. Their [Bez12, CCZ97, CM03, EK96, HL13, JLZ16, KMS01, KMS03, Lew91, LF02b, NP09, RS96, S103, SX11, T1991, HM89, HMT09, JN89, MV88, TFL11]. Theorem [AMS07, CLN14, HS95b, JDS03, Kol03, Kra95, KH13, Lew99, LM98b, Lin11, May12, TT99, YY10, YY11, Zhe96, Zhe98, IM95, Tis93]. Theorems [BH13, wC03, CK00]. Theoretic [FV98, vdmWM95, PEA88]. Theoretical [KBHH13, Mei04]. Theory [ABK+11, BL12, BKS08, BBGF00, BH03, BGH07, BM06, BCGG10, DDY14b, DM05, EEE97, EEE99, EL05, ES11, EJK09, FS97, GPM03, GLT96, GS06, Gd1108, Gut92, Gut94, KP99, KH13, LMZ03, Li98a, Li98b, Li99, LWXY14, Lu05, Mai99, Mal03, MOC91, MX09, MBO97, Mor94, SKP11, SC10, gSS98b, WE94, XG98, CT88, DK88, OWW88, KY93]. Thick [WS00]. Thick-Restart [WS00]. Third [DD13a, DD13b, DD14, KBHH13, LGL16, SD15b]. Third-Order [DD13a, DD13b, DD14, KBHH13, SD15b]. Thomas [PS04]. Thompson [Joh96]. Three [BLAK91, CHH+15, Cho10, DPP13, E198, GV99, Gre99, GMBS12, GS00b, GR00, Hig92, HHLW13, LRA93, OST08, RHE14, SD10, Ste13, ZZ98b]. Three-Dimensional [CHH+15, GV99, Gre99, HHLW13, OST08]. Three-Term [BLAK91, GR00, ZZ98b, GS00b]. Three-Way [Cho10, GMBS12, LRA93, Sda10, Ste13]. Threshold [HS14]. Tight [DT11]. Tightening [Gar09]. Tikhonov [GHO99, GW00, Mal03, WXZ16]. Time [BN10, Bpon00, CT91, CFL07, Cor93, Dha98, DD12, DLM13, Har05, JOAKt10, KS03, KLX04, LF02a, LgS02, Mas16, MG10, MJM11, OST08, PCB16, PSW12, RT93, ST14, Sun04, TCTM00, VP93, BF06, LP89].
Meh88]. Time-Delay [MG10, MJM11].
Time-Dependent [PSW12].
Time-Invariant [DLMT13].
Toda-Type [DRTW91]. Toeplitz [CH93a, Ik97, AG88a, BN06b, BMF05, BD90, BM99, BLAK91, BDB95, BK95, BGKS99, BET02, BV07, BGN12, Cap98, Cha89, CH92, CNP94, CP500, CS98, CGS+88, CNW08, CE94, DG91b, DG91c, DD10, DLM04, DK08a, FKKL96, FLM10, FLM12, FSZ14, Fri92, GKX94, GP03, HB94, HY00, HH94, HR00, HR04, Hue92, HSC04, Ito96, JV16, JR88, KC94, KN00, KN91, KK93b, KK93a, LS04, LH05, MV97, MV88, Mel99, Mel01, Mel04, MT00, Nav93, NSCS10, NV02, PK93, Per91, PW15, RS92, Rod06, Rog05, SK95, Ser96, Ser98, Sil03, Ste03, SH93, Swe93, Tre88a, Tre88b, Tre89, Tref, Tre94, VHK01, Var94, Vec03, VJ07, XXCB14, XXG12, ZZTA02]. Toeplitz- [Rod06]. Toeplitz-Plus-Hankel [KC94].
Toeplitz-Derived [KC94]. Toeplitz-Like [FLM10, FLM12, SK95].
Toeplitz-Plus-Hankel [HR04].
Toeplitz-Related [DLM04]. Toeplitz/ Hankel [MVP05]. Tolerance [BBGL92].
Tomographic [HKBM08]. Tomography [Sal88]. Torus [Tho94]. Total [Aru92, BG11, BDSC11, BBT05, BBT06, BBT08, BE10, BST16, BHM00, FB94, GP93, GH099, GTP13, HP8-11, LPT10, MVP05, MLV00, PO03, RS06, RG05, RPG96, RPG98, VZ91, Van92, Wei92, VV88, VV89].
Totally [CKRU08, DK05, FGJ00, FHJ06, GT04, HC15, Koe05, Koe07, Pei98, ZY93].
Tournament [FL02]. Trace [LWW15, NBS10, WZ95, Wat92a, Ber88].
Traces [OR93]. Tracking [MV92]. Train [LC15b, LC16, LRSV13]. Trains [HLQ10].
Transfer [Bar94, FN04]. Transform [BF93, BK95, BG13, For03, HR00, KO05, Kuz15, SB03]. Transformation [CCJ+00, CG15a, Mai99, XE12].
Transformations [Dub00, IJM94, LM98a, SV05, WL12].
Transforms [BD95, SKP11, Tur97, RS88].
Transients [O’C02]. Transition [DRSZ07, EHW10, JI03, LFW13, Spe98].
Transitions [EK96]. Transmission [LF02b, Wat95]. Transport [Luo5, MX09].
transposition [JH88]. Transputers [vdSBvdV93]. Tree [GG03, MSZ03, dF05, Liu88]. Tree-Like [MSZ03]. Trees [CL99, EL05, EL08, KU13, KNS97, KN98, Liu90, MP11, Nab01].
Triadic [rFO06]. Triangle [ZQ10].
Triangular [ABL94, BMF05, BCN95, FSZ14, HY01, LM02, MV02, Nav93, OST09, PK93, PK94, Pes14, RW95, SHZ12, Vec03, VP93, V97, vD99, CH88, KP92, Naz89].
Triangularizable [Mae98].
Triangulization [SS98].
Triangularizing [IIM94].
Triangularizing [TZ13]. Tricyclic [DL92].
Tridiagonal [BO96, BOCL97, BGT05b, BD98b, B000, BG94, CM03, CW96, DG91b, DG91c, DRSZ07, Dhi98, DL92, ES08, rFO06, Fer97, Fer98, Gei91, GITT96, Har05, Hig9a0, HO92, HHH12, LS04, Men92, Nas99, Par92, PL93, PDF16, Per91, Ple06, Tis04, VGG09, VH16, Wal95, Wil08, YP98, GE95b, Tsa94].
Tridiagonal-Diagonal [Tis04].
Tridiagonality [Bom00].
Tridiagonalization [Cav94, GIKT95, P910, PP11, SB05, GBCW89]. Tridiagonalizing [BS96].
Tridiagonals [Rai11].
Trigonometric [BD95, KO05]. Triples [PR01]. Triplets [Drm00a, Zha91].
Trivial [NST15]. Trummer [Lu95].
Truncated [BGT14, GTP13, MM09, SGX14, SY98, Z01]. Truncations [Mas16].
Trust [IAVD11, SW94]. Trust-Region [IAVD11]. TSC [PM06]. Tucker [DK13, EDK16, LRSV13, OST08, Sai16].
Tukey [SKP11]. Tukey-Type [SKP11].
Twice [LS01]. Twisted [WL12]. Two
[ABL94, Bjö14, CE94, CZ02, DGM06, DP09,
DK13, EDK16, FB95, Fie96, FNV08, GW07,
GT99, GS00h, HM04b, HP02, HKP05, J192,
JH02, K1i99, LSB16, Pál11, Ple00, Sch95b,
SWYM96, Sl09, Ste11b, S1101, SJ92,'TMNV10, WA07, WT11, YLA97, Zha10b].
Two-Dimensional [J192, K1i99, Sch95b].
Two-Level
[DK13, EDK16, TMNV10, WT11, LSB16].
Two-Parameter
[DP09, HP02, HKP05, J192, Ple00].
Two-Sided [CZ02, FB95, Fie96, SWYM96].
Two-Stage [SJ92, SB01].
Two-Stage-Splitting [YLA97].
Two-term [GS00b]. Two-Variable [Pál11].
Two-Sided [CZ02, FB95, Fie96, SWYM96].
Two-Stage [SJ92, SB01].
Two-Stage-Splitting [YLA97].
Two-term [GS00b]. Two-Variable [Pál11].
Type [BEG 09, BBD11, BLAK91, BS16,
DRTW91, DM05, FAT16, GR00, HP02,
HKP05, It096, KO05, LX06, MV08, MMS94,
MS03, SKP11, Wal03, Wat98, WL12,
ZHY16, BL94, DK15, IM95, Kuz15, Saa06].

Ulm [wVJBqJ11]. Ulm-like [wVJBqJ11].
Ultrametric [Fie00, MMS94, NV94]. ULV
[BES05]. Unbounded [CO99]. Uncertain
[BOS16, EL97, SNC02]. Uncertainties
[CGGS98, Wat01]. Uncertainty
[BEBT07, Yan93]. Uncontrollability
[BLO04, Gu00, GMO 06, Men08].
uncontrollable [Sch95a]. Uncorrelated
[CGH11]. Uncoupled [Zha93b, Hav89].
Uncoupling [Van08]. Undamped [JW11].
Underdetermined [DH93, Run12, gS97].
Undersampled [CGH11]. Unfoldings
[RV12]. Uni [GMBS12]. Uni-mode
[GMBS12]. Unicity [de 94a]. Unified
[FS97, Mal03]. Uniform
[BL94, GG14, HL06, IM94]. Uniformly
[CRS99, CRS01, DTGV105]. Unimodular
[AKP08, BV98]. Unipathic [MNST96].
Uniqueness [BB95, De 08b, DD13a, DD13b,
DL15, FMX02, GMBS12, Her96, JK15,
Mor12, SC10, SD15a, SD15b, SdA10, Ste10a,
Ste11a, SL12]. Unit
[Baz00, CDLP05, Gu98, Pai09]. Unitarily
[ARU92, HM90, QZL05, VJ07, Zha99].
Unitary
[AYLR04, BM94, BEGG07, BBGF00,
BGH95, DW06, DZ01, GGBCC03, Kni04,
KL98b, Li95, LS03, LP08, NNF14, Pai09,
PW14a, Sev03, SV05, Ste06, gS96, Tho94].
Unknown [FST + 13]. Unknowns
[CT93, Whi00]. unrestricted [MT89].
Unstable [LOvdD02]. Unstructured
[DFT92, Run15]. Unsymmetric
[AM95, ALP07, DD97, EL92, EL05, EL08,
EL91, GL93, Gup02, Gurt92, Gurt94, Jia95,
KU13, RS06, DY90].
Unsymmetric-Pattern [DD97].
Unsymmetrized [AP02]. Unwinding
[AH14]. Update
[Bar93a, CFG98, ES92, GGL04, XCC14].
Updates [BV00, SB92]. Updating
[CCL09, EGK91, IK06, Kon00, LM06a,
LLZ09, LZ95a, MTV10, MV92, MV93,
Naz89, Ste93b, SV00, Sun95a, VS14, BK98].
Upper
[AW05, BCN95, FG94, Lee95, Nab00, WD00].
URV [PE95]. Use
[Ari00, BD95, DK99, EJK09, GW00, Swe93].
Useful [Pai09]. Use [GL99]. Using
[AS93, ADLK01, EJK09, GW00, Swe93].
Updates [BV00, SB92]. Updating
[CCL09, EGK91, IK06, Kon00, LM06a,
LLZ09, LZ95a, MTV10, MV92, MV93,
Naz89, Ste93b, SV00, Sun95a, VS14, BK98].

V [ADC04]. V-cycle [ADC04]. Validated
[KC09]. validation [GBCW89]. Value
[ASA04, AMMS08, AB09, BB08, BES15,
Bar02, BG10, CE12, CL09, CHH 15,
CFG97, CDD00, DDV0a, DG91a, DV92a,
De 94b, DD98, Dem99, DJ00, Drm00a, FL99,
Fri05, Gra10, GE95c, GO13, HMP94,
HJP03, JS94, JN03, JN91, Kar11a, Li98a,
LS07, MVV92, MMH94, O’N05, PS94, 
PP05a, Rog05, SCBG05, SS06, gS00a, TM12, 
wVjBqJ11, WA07, Wat92b, YB91, Zha91, 
JN89, WE89].

Valued [ALAK94, CP03c, Cla10, GdlI08, JW11, 
JLZ16, Kra95, KH13, Mat93a, QCT15, Sid95].

Values [AKPP08, BGV10, BK90, CI95a, 
DP09, Fer98, HHSW97, HDT10, HS00, 
HC15, JN93, Kar11a, Kit95, KA07, KMS01, 
KMS03, LC15b, Li93, LM02, RW95, Si03, 
Tam98, Wü05, Zha97, Zha00, ZQ10, Bap89].

Vandermonde [ASA04, Baz00, BEG09, Bez12, 
DK05, FH93, Hig90b, KS03, Lu94, Lu95, 
Lu96, Lu98a, Pan16, Re191, gS98a, ZZ98b].

Vandermonde-Like [ZZ98b, Hig90b, Rei91].

Vanishing [Hel95].

Variable [AV91, BMS06, GW07, Gre99, 
HZ01, KL08, L10, NY95, P111, DG106, MH95].

Variable-Step [AV91]. Variables [BI99, 
CGGS99, CGSS01, CH93b, He100, MT89].

Variant [AG91a, MT89]. Variants [GTI11, 
KK07, RT99, ZZLY02]. variate [GCS15]. Variation [BDSC11, BM94].

Variational [Auc89, CFG97, CF02],

Variations [Li98a, Li98b]. Varied [Par05].

Varieties [YL16]. Variety [JT98]. Varying [CT91, Mal06]. Vector

[APF07, BF05, BR206, BV95, CT15, Elh92, 
Fay95, GT11, HR00, IS11, JMO93, 
MMMM06b, MP11, OW96, Sid95, SW97, 
SX11, V106, Wan15, KN94].

Vector-Valued [Sid95]. Vectors [Bar93b, 
LC15b, Pai09, PP11, PW14a, BN87].

Vera [GKRV90]. Verification [Voo12].

Verifications [Sch05]. Verified

[FK10, Rum12]. Versal

[EEK97, EM00, GPM03]. Version

[KGDG13, Sim97]. Versions [BB07]. versus

[Alt13, Bér09]. Vertical [MN97, QL99]. Via

[Dax08, Gow96, Van08, Bar94, BH90, BG13, 
BLNT13, BZ00, CFT16, CGCDM13, 
CDG+07, CHZ16, CDD00, wC03, CT88, 
FP16, GVVO4, GP97, GGO13, HY01, Lew99, 
LP11, LP13, Mae98, Mat95b, MW01, PR01, 
SB11, XCCB14, XCG12, ZS94]. Vibrating

[Lan07, TV09]. Vibrations [HLQ09].

Vibrations [MMMM06a]. View

[BCR11, Hig03, Ost10]. Viscosity [TV09].

Vishik [MBO07]. Volterra [FG15].


W [Zha95]. W. [Ikr97]. Waldén [GJTP12].

Walk [ES08]. Walks

[DMS13, DRSZ07, KN99, PCB16].

Wavefront [Bar08]. Wavelet

[For03, Tur97]. Wavelets

[GP16, Hel95, JZ99, J103]. Way

[BV90, Cho10, GTW00, GMBS12, LRA93, 
Sa10, Ste13]. Weakly

[CM93, SS91, SWYM96, CJL96b].

Weierstrass [dTDM08]. Weighing [NW02].

Weight [DV08b, For96]. Weighted

[BN06b, BV10, FS01, GW92, Gu05, 
HHSW97, HS13, HV97, KNS97, KN98, 
KT10a, SE95, SW98, WD00, YL08].

Weighting [MPS01, Wh89]. Weights

[GG11]. Well [BBM02a, MX98].

Well-Focused [BBM02a]. WGL [YL08].

Which [BEGG07, Cao09, Kui00]. Whose

[DF05, AdHN88]. Wiener

[ET10, Gua01b, JDS03]. Wise [CH99]. within

[HPS13, LM98a]. without

[DD07, YC97]. Woodbury [Rie92]. Words

[JH02]. Works [HPS+11]. World [Hig03].

Worst [FLT13]. Worst-Case [FLT13].

Xu [KZ10].

Young [HN90, Kol03, Lin11, VNV14].

Zero [DG91c, Gow96, GP04, SD12, ZFW07, 
GKR89]. Zero-Fill [ZFW07]. Zero-Finding

[SD12]. Zeros [DY10, Kit95, Lin03, TU91].
References

Adams:1994:TDC


Adhikari:2009:SBE


Ahmad:2010:PCP


Arioli:2001:BEA


Alam:2005:SEM


Avron:2013:FSS


Alam:2016:LRM

<table>
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<th>Reference</th>
<th>Title</th>
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</thead>
</table>
REFERENCES

CODEN SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic).

Avron:2009:CPS


Arnold:1998:SIE


Arbel:1996:FFR


Avdelas:1988:GAI

G. Avdelas, J. de Pillis, A. Hadjidimos, and M. Neu-


REFERENCES


Ando:1998:SC

REFERENCES


Ashcraft:1998:ROS


Ackner:1994:SAM


Allwright:1989:MME


Amestoy:2007:DMS


Amestoy:2007:UOU


Altenberg:2013:OSR


Alefeld:1995:SUS

REFERENCES


Sergio Albeverio, Alexander K. Motovilov, and Alexei V. Selin. The a priori tan $\Theta$ theorem for eigenvectors. *SIAM Journal
REFERENCES


Patrick R. Amestoy and Chiara Puglisi. An unsymmetrized multifrontal LU fac-
REFERENCES

56


K. S. Arun. A unitarily constrained total least squares


[Hüseyin Akçay and Semiha Türkyay. A subspace-based


Anderson:2010:EDC


Axelsson:1992:BEP


Au-Yeung:2004:ULM


Bai:2005:IEC


Bapat:1989:MSV


Barnett:1989:LAN


Bai:1999:CMM


Barlow:1993:EAU

[Bar93a] Jesse L. Barlow. Error analysis of update methods for the

**Barlow:1993:EBC**


**Bar93b**


**Barnett:1994:RTF**


**Barrlund:2000:RDM**


**Bar00a**


**Bar98**


**Bar00b**
Bardsley:2008:WRM


Basu:1989:PAM


Bazan:2000:CRV


Balakrishnan:1995:EVO


Bhat:1996:SOS


Bezerra:1998:ELG


Bosner:2007:BPV

REFERENCES


REFERENCES


**Braman:2002:MAPa**


**Braman:2002:MAPb**


**Benner:2002:NCD**


**Bader:2015:SSS**


**Beck:2005:GSS**


**Beck:2008:FMF**

Beck:2006:FGO


Bolzern:1988:PLE


Bru:1995:MPB


Burgisser:2010:SAM


Butkovic:2010:RST


Bru:1995:IBU


Martin Bohner and Ondrej Dosly. Positivity of block

**Bhatia:2005:GLE**


**Bosner:2009:SGR**


**Boito:2010:CMS**


**Brualdi:2015:SSC**


**Batselier:2013:GMP**


**Batselier:2014:CDN**


**Bevilacqua:2015:CBE**

REFERENCES

Ballard:2011:MCN


Beltran:2010:CPC


Beltran:2012:CPC


Bueno:2011:REM

María I. Bueno, Fernando de Terán, and Froilán M. Dopico. Recovery of eigenvectors and minimal bases of

**Bunch:1989:SSA**


**Bai:1999:AAB**


**Bhatia:2003:HOL**


**Beck:2007:RRB**


**Beck:2010:STM**


**Beardmore:2001:SIB**

REFERENCES

Bebendorf:2006:AIP


Beck:2007:MSE


Bella:2009:FBP


Bini:2007:FEA


Boutry:2005:GEP


Benbow:1999:SGL


Benzi:2009:GHS

REFERENCES


Bernstein:1988:ITM


Beattie:2004:CRK


Bereux:2009:CIC


Björck:1998:SCG


Barlow:2005:AAR


Baker:2015:FSV


Böttcher:2002:PCT

Albrecht Böttcher, Mark Embree, and Lloyd N. Trefethen. Piecewise continuous Toeplitz matrices and operators: Slow


[BF06] Luca Benvenuti and Lorenzo Farina. The geometry of

ISSN 0895-4798 (print), 1095-7162 (electronic).

**Barreto:2011:CSD**


**Baumann:2003:DOF**


**Baragana:2007:HIJ**


ISSN 0895-4798 (print), 1095-7162 (electronic).

**Bondeli:1994:CRS**


**Benzi:2004:PGS**


REFERENCES


REFERENCES


[Bernstein:1990] Dennis S. Bernstein and Wassim M. Haddad. Robust stability and performance analy-

**Bernstein:1993:CMS**


**Brualdi:1996:SRM**


**Boman:2003:STP**


**Bharali:2008:FPN**


**Bindel:2013:LTN**


**Bevis:1988:MES**


**Booth:2008:MRA**

Matthew Booth, Philip Hackney, Benjamin Harris, Charles R. Johnson, Margaret Lay, Lon H. Mitchell, Sivaram K. Narayan, Amanda Pascoe, Kelly Steinmetz, Brian D. Sutton, and
REFERENCES


Berger:2011:FSM


Bhat:1993:NND


Bojanczyk:2003:SIL


Borsdorf:2010:CNC

REFERENCES


REFERENCES

Barrett:1998:CGP


Baker:2005:TAC


Björck:2014:STD


Bhatia:1990:SVP


Boman:1995:FTB


Bhatia:1997:SIN


REFERENCES


 REFERENCES

397–418, 2008. CODEN SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic).

Bojanczyk:1991:CEA


[BL91]

Beckermann:1994:UAF


[BL94]

Beckermann:2000:FCC


[BL00]

Beardmore:2002:FDN


[BL02]

Boulton:2010:SDM


[BL10]

Bai:2012:MPL


[BL12]

Bai:2013:MPL


**Bistritz:1991:ITT**


**Bebiano:1993:SRN**


**Bebiano:1997:DSS**


**Brazell:2013:SMS**


**Burke:2003:OPA**


**Burke:2004:PCD**

REFERENCES


Barth:2000:MRC

Brunat:2001:PCD

Bollhofer:2002:AMM

Bora:2006:LPT

Berenhaut:2005:BIT

Bai:2003:CRS

Bru:2010:IBI
Rafael Bru, José Marín, José Mas, and Miroslav Tuma. Improved balanced incomplete factorization. SIAM Journal
REFERENCES


Barlow:1992:CMS


BMO92

Britz:2004:MSA


BMOvdD04

Brezinski:1994:RBM


BMRZ94

Brenn-Muller:2006:III


BMS06

Bjørstad:1992:EMM


BMSV92

Bru:1994:ASI


BMU94

Byers:1987:SVL

Ralph Byers and Stephen Nash. On the singular “vectors” of the Lyapunov operator. SIAM Journal on Algebraic and Discrete Methods,
REFERENCES


Bolz:1988:EMF


Blondel:2005:CEA


Bardsley:2006:CPI


Benzi:2006:PIM


Blondel:2010:PTC


Bini:2013:LEM


Blondel:2010:PTC


Bini:2013:LEM


Bai:2009:CPS

REFERENCES

Bar-On:1996:IPT

Bar-On:1997:FPC

Boley:1990:ESA

Bonze:2000:LTC

Boriso:2003:DMP

Borovac:2009:GBA

Bora:2010:SEC
Shreemayee Bora. Structured eigenvalue condition number...

Borsdorf:2014:AFO


Bella:2013:NPD


Benner:2016:BDP


Bjorck:1992:LRO


Bjorck:1994:ADL


Bru:2005:ASI


Blom:2005:KSM

Katarina Blom and Axel Ruhe. A Krylov subspace method for

**Beckermann:2008:APG**


**Braden:1998:E**


**Buchholz:2007:CCM**


**Bakule:2000:SEC**


**Brualdi:1988:D**


**Brezinski:2006:PVP**


**Berman:1990:PMD**

REFERENCES


[Bs05] Zhaojun Bai and Yangfeng Su. SOAR: a second-order Arnoldi method for the solution of the quadratic eigenvalue problem. *SIAM Jour-
REFERENCES

Bonnabel:2010:RMG

Benzi:2015:DBF

Bora:2016:DPH

Bargiacchi-Soula:2010:LN

Bandeira:2013:CIG

Beck:2016:ASM

Bomze:2015:NL
[BSU15] Immanuel M. Bomze, Werner Schachinger, and Reinhard Ullrich. New lower bounds and asymptotics for the cp-
References

Bapat:1995:PPS

Borosh:1992:SBP

Brainman:2002:NDO

Benitez:2006:GPM

Bah:2010:IBR

Beyn:2010:CIS

Berger:2012:QKF
Thomas Berger and Stephan Trenn. The quasi-Kronecker form for matrix pencils. *SIAM
REFERENCES


Bernstein:2000:RMF


Bobrovnikova:2001:ASW


Bottcher:2007:NTM


Bientinesi:2011:GOM


Bolshakov:1997:EIF


Byrnes:1993:AIE

Bakonyi:1995:MEE


Brown:1997:GNS


Botta:1999:MRI


Bank:2006:KPM


Boyd:2005:LSC


Byers:2008:NSN


Barker:1988:SII

REFERENCES

CODEN SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic).


Barlow:1998:GGE


[Cao08] Zhi-Hao Cao. On the convergence of general stationary linear iterative methods for singu-


[Couvreur:2000:OBG] Christophe Couvreur and Yoram Bresler. On the optimality of the backward greedy algorithm for the subset se-

**Cottle:1992:LIR**  

**Cheung:2009:CCN**  

**Chiang:2009:CAD**  

**Chu:1998:RSS**  

**Castillo:2000:OBP**  

**Chu:2009:QMU**  


Erin Carson and James Demmel. A residual replacement strategy for improving the maximum attainable accu-

**Carson:2015:ASL**


**Chu:2000:CRS**


**Chandrasekaran:2005:SFA**


**[CDG+07]**


**Chandrasekaran:2010:NRD**


**Curtef:2012:ROT**

REFERENCES


REFERENCES

Chen:1989:SIO


Compta:2000:GAC


Chu:2002:CDR


Chu:1997:VF


Chu:1998:RMS


Charles:2013:NEH


Chu:2007:PGD

Eric King-Wah Chu, Hung-Yuan Fan, and Wen-Wei Lin. Projected generalized discrete-time periodic Lyapunov equa-

**Carpberg:2016:KSR**


**Chu:1990:SOD**


**Chan:1992:RBO**


**Cullum:1996:RBG**


**Chu:1998:NMI**


**Chu:1998:LSA**

REFERENCES


Chandrasekaran:1998:PEP


Chandrasekaran:1999:EAB


Chu:2011:CAS


Campos:2007:PBD


Constantine:2010:SMP


Comon:2008:STS

Carvalho:2011:FGC


Chandrasekaran:2006:FDS


Chandrasekaran:1998:SA


Castro-Gonzalez:2008:CCM


Cliffe:1994:EBM


Chandrasekaran:1994:SEA


Chandrasekaran:2008:SAT

REFERENCES


REFERENCES


REFERENCES

SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic).

Chandrasekaran:2000:ESA


Chen:2001:ASA


Chen:2001:RSE


Chern:2015:SVD


Cheng:2001:ALM

REFERENCES


Chandrasekaran:1994:RRF


Chandrasekaran:1995:AAC


Chandrasekaran:1995:SSC


Chun:1991:DCS


Cabay:1996:CNPa


Cabay:1996:CNPb


Cabay:1996:CNP
REFERENCES

[Cokus:2000:DTC]

[Chi:2012:TSN]

[Chu:2004:IQE]

[Cvetkovic:2011:ELR]

[Calvetti:2005:QRB]

[Canto:2008:FNT]

[Chan:1999:IIL]


REFERENCES


[CM93] Raymond H. Chan, James G. Nagy, and Robert J. Plem-


Chang:2011:PCN


Calvetti:1996:AAI


Curtain:2010:ASM


Cardoso:2016:MAG


Cristi:1988:PPA


Crouzeix:2016:SCR


Choi:1993:LAR

Man Duen Choi, Jeffrey S. Rosenthal, and Peter Rosenthal. Linear-algebraic results


REFERENCES


REFERENCES

4798 (print), 1095-7162 (electronic).


REFERENCES


REFERENCES


Ignat Domanov and Lieven De Lathauwer. On the uniqueness of the canonical polyadic de-


DeLathauwer:2004:CCD


Dailey:2014:NPB


Dailey:2014:RPT


deHoyos:1990:PCK

DeHoyos:1990:PCK


dePillis:1992:PIM

DePillis:1992:PIM


deMesnard:1994:UB

deMesnard:1994:UB

DeMoor:1994:SGS

DeMoor:1994:SGS

DeLathauwer:2006:LBC


DeLathauwer:2008:DHOa


DeLathauwer:2008:DHOb


DeLathauwer:2011:BSE


Dieci:1999:SDM


Demmel:1999:SAS


DelCorso:1997:EEP

REFERENCES

//epubs.siam.org/sam-bin/dbq/article/29668.


REFERENCES

SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic).

Demmel:2015:CAR


Delgado:2006:TVO


Dorpinghaus:2015:LIR


Dollar:2006:IFP

REFERENCES


REFERENCES


REFERENCES


REFERENCES


Dolgov:2013:TLQ


Dmytryshyn:2014:OCH


Dmytryshyn:2015:CST


deKerchove:2010:IFR


Dodson:1992:TTE


DelBuono:2002:GIM


Dieci:2003:LES

REFERENCES


REFERENCES


Goulart:2014:ASC


Dopico:2003:OHR


Drineas:2008:REM


Dieci:1996:CTR


Diele:2009:EEP


Dellacherie:2009:HFI


Dellacherie:2012:HFP

[DMS12] Claude Dellacherie, Servet Martínez, and Jaime San Martín. Hadamard functions that preserve inverse $M$-matrices.
REFERENCES

Dollard:2007:CSP

Drmač:1994:PCF

Dieci:2000:CPA

Dhillon:2004:OER
Inderjit S. Dhillon and Beresford N. Parlett. Orthog-


REFERENCES


REFERENCES


REFERENCES

140

References


Gema M. Díaz-Toca, Laureano Gonzalez-Vega, and


REFERENCES


[DYH06] Hans De Sterck, Ulrike Meier Yang, and Jeffrey J. Heys. Reducing complexity in parallel algebraic multigrid preconditioners. *SIAM Journal on Ma-
REFERENCES

triX Analysis and Applications, 27(4):1019–1039, 2006. CODEN SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electroni-
cic).

cic).


Edelman:1999:GAP


Eenberger:2013:RSC


Elhay:1991:UDO


Elhay:1999:SEE


Elstrin:2015:NSP

REFERENCES


REFERENCES

1993. CODEN SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic).


Eisenstat:2008:AAE


Elman:1997:PEP


Eltinge:1992:ECP

REFERENCES

ber 1992. CODEN SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic).


REFERENCES

Ernst:2000:RMK

Eldersveld:1992:BLU

Edelman:2005:TCN

El-Shehawey:2008:ITM

Elden:2009:NGM

Elden:2011:PTO

Elden:2012:SIP
REFERENCES

DEN SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic).

El-Sayed:2001:IMS


Embree:2012:STR


Ephraim:2010:ISC


Ernst:2010:SGM


Elssel:2006:PBA


Elman:2013:LII


Elman:1995:AAH

REFERENCES


Farrell:2016:NDE


Fairag:2016:BPT


Faybusovich:1995:MGA


Fierro:1994:CTL


Fierro:1995:BSR


Frangioni:2001:SAS


Feiveson:1994:FBR


Fernando:1997:CET


Fernando:1998:ACS


Frenzen:1993:CPP


Fausett:1994:LLS


Fill:1999:MPG


Friedland:1994:UBR

REFERENCES


REFERENCES


[168x646] Flowe:1993:NGV


[168x535] Frommer:2010:VCS


[Fosner:2013:LMP]


[Friedland:1994:RSI]


REFERENCES

ISSN 0895-4798 (print), 1095-7162 (electronic).

Fiedler:1995:SCG


Fierro:1996:PA


Fiori:2011:SMD


Furtado:2001:PRM


Fletcher:1997:SNS

REFERENCES


REFERENCES

Frommer:1993:NCG


Fenu:2013:BGA


Freiling:2002:EUP


Forsgren:1996:LLS

REFERENCES

Ford:2003:IDW

Foster:1994:GEP

Foster:2003:SRD

Ferrer:1998:GBS

Franchi:2016:IMF

Fazel:2013:HMR

Friedland:1992:IEP
REFERENCES

4798 (print), 1095-7162 (electronic).

Friedland:2002:NMC


Friedland:2005:NAG


Friedland:2016:RSR


Frommer:1997:URT


Forsgren:2001:WLL


Freitag:2010:SIA


Fishkind:2013:CAS

Donniell E. Fishkind, Daniel L. Sussman, Minh Tang, Joshua T. Vogelstein, and Carey E. Priebe. Consistent adjacency-spectral partitioning for the stochastic block model when the model parameters are un-

**Freitag:2014:CNU**


**Ford:2014:DEI**


**Friedland:2007:GRC**


**Fasino:2014:AAG**


**Fritsch:2016:ESD**


**Fuhrmann:1988:ASC**


**Fuhrmann:2007:NSI**

REFERENCES


Fornasini:1998:PPM


Xu:1996:JMI


Fan:2016:CMA


Gugercin:2008:MRL


Gader:1988:NSC


Garloff:1990:BMS


Garloff:2009:IGE

REFERENCES


Gu:1995:DCAb


Gu:1995:DSV


Geist:1991:RGM


Gemignani:1998:CFP


Gerontidis:1992:CSE


Gangsong:2002:IFH


Gilbert:2003:NCE

REFERENCES

Giraud:2006:SSS


Gillis:2011:LRM


Gharbia:2013:ACM


Gockler:2014:UAF


Gu:2003:SDC


Grigori:2009:SES


Giraud:2004:RUP

REFERENCES


REFERENCES

SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic).


**Guo:2010:IAA**


**Geist:1999:EA**


**George:1996:PDF**


**George:1997:APD**


**George:2000:CSQ**


**George:1995:FPT**

A. George, K. Ikramov, A. N. Kucherov.


REFERENCES

SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic).

Guglielmi:2014:CEP

Gohberg:1989:PPZ

Golub:1990:DVK

Gohberg:1994:CAA

Gilbert:1993:ESU

Ghavimi:1996:NMN

George:1999:OOA


[GLP01] Sy-Ming Guu, Yung-Yih Lur, and Chin-Tzong Pang. On infinite products of fuzzy matri-

**Gau:2011:HRN**


**Grimes:1994:SBL**


**Gander:2012:OBI**


**Gleich:2015:MP**

Guattery:1998:QSS


Grigori:2016:EKS


Guattery:2000:GEL


Gu:2006:FME


Guo:2012:UMP


Gill:1992:PIS


Goodman:2000:CFG

[GMRS00] Tim N. T. Goodman, Charles A. Micchelli, Giuseppe Rodriguez, and Sebastiano Seatzu. On the Cholesky factorization of

**Grone:1990:LSG**


**GMS90**


**Gilbert:1992:SMM**


**GN03**


**Guttel:2016:SSS**


**Gavish:2013:NCA**

REFERENCES

Gillespie:1995:OGR


Gu:2006:ACB


Guglielmi:2011:FAA


Gould:2014:PKM


Guglielmi:2015:EAC


Gould:1991:GGE


Govaerts:1991:SSB


Gover:1991:PIG

REFERENCES


Gowda:1990:APM


Gowda:1996:AZS


Grone:1988:PIC


Gasca:1993:TPF


George:1997:ASE


Gu:2003:CRT


Guu:2004: CZI

Sy-Ming Guu and Chin-Tzong Pang. On the convergence to zero of infinite products of interval matrices. *SIAM
REFERENCES


Gasca:2006:CDA


Guglielmi:2016:IPS


Garcia-Planas:2003:RVD


Grimes:1990:NAF


Greenbaum:1996:NCC


Greif:2016:NEA

REFERENCES

Goldfarb:2014:RLR


Gross:1993:ASR


Gurvits:1997:CPB


Gutknecht:2000:LAP


Gurvits:2005:MPR


Gower:2015:RIM


Grasedyck:2010:HSV

REFERENCES


REFERENCES

[180]


References

Sun:1998:PTA


Sun:2000:CNB


Gutknecht:2000:ATT


Gowda:2002:SNR


Grochenig:2003:FLR


Godunov:2006:SAS

REFERENCES

Gao:2010:CLS


Gould:2010:SAS


Garoni:2015:SAS


Gill:1996:SCF


Sun:1997:OBP


Golub:2000:CSG


Gross:1999:NDT

Grassmann:2002:TQM

Gasso:2004:TPF

Gotsman:2008:CNS

Gratton:2011:RSV

Giscard:2013:EMF

Gratton:2013:SCT

Gratton:2014:DMC
Serge Gratton, David Titley-Peloquin, Philippe Toint, and


Mårten Gulliksson. Backward error analysis for the constrained and weighted linear


REFERENCES


Gutknecht:1992:CTU


Gutknecht:1994:CTU


Gutknecht:2014:DAK


Greif:1999:BSM


Greif:2007:MCN


Greif:2009:ISS


Gallivan:2004:MRM

K. Gallivan, A. Vandendorpe, and P. Van Dooren. Model reduction of MIMO systems via tangential interpolation. SIAM
REFERENCES


Gulliksson:1992:MDC


Gulliksson:2000:UPT


Geronimo:2007:TVO


Wang:2012:ADD


Guglielmi:2005:CPE


Guglielmi:2009:FEC


Gutknecht:2013:ECB

[Martin H. Gutknecht and Jens-Peter M. Zemke. Eigenvalue

**Guglielmi:2015:CCP**


**Hacon:1993:JMS**


**Hanke:1994:ICC**


**Han:2003:CSE**


**Harrar:1993:OMC**


**Hartfiel:1998:ESN**


**Hartfiel:1999:DES**

REFERENCES

1999. CODEN SJMAEL.

Hargreaves:2005:CCN


Hari:2007:CBO


Haviv:1989:MRR


Handy:1994:NSE


Haut:2012:FAC


Hill:1990:CHM


Hill:1990:PHM

REFERENCES

Hyland:1989:BKP


Hyland:1989:EBK


Huang:2015:RPA


Hari:1997:SAD


Hladik:2010:BRE


He:1999:POM


Heller:1995:RWV

References

Helmberg:2000:FVS

Hemmingsson:1995:DDM

Hershkowitz:1990:PSP

Hershkowitz:1996:USD

Heyman:1995:ACF

Ho:2014:FSL

Higueras:1999:LNM
REFERENCES


REFERENCES


Hladnik:2003:FDF


Huang:2012:MPT


Huang:2013:EDD


Hadjidimos:1999:AIL


Hershkowitz:1997:A


Holodnak:2015:RAG

REFERENCES

137, ????, 2015. CODEN SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic).

Higham:1990:BEG


Higham:1990:SAA


Higham:1992:SMM


Higham:1993:ODS


Higham:1997:SDP


Higham:2003:MPV

REFERENCES


REFERENCES


Roger A. Horn, Chi-Kwong Li, and Dennis I. Merino. Linear operators preserving complex orthogonal equivalence on


REFERENCES


[Higham:2004:CPD] Nicholas J. Higham, D. Steven Mackey, Niloufer Mackey, and Françoise Tisseur. Computing the polar decomposition and the matrix sign decompo-

[**Higham:2005:FPM**] {#ref-higham-2005-fpm}

[**HMR01**] {#ref-hmr01}

[**He:2001:SCR**] {#ref-he-2001-scr}

[**HMT93**] {#ref-hmt93}
REFERENCES

Higham:2009:DMP

Higham:2010:CGP

Hadjidimos:1990:YEA

Hadjidimos:1998:ENM

Hochstenbach:2009:CII

Han:1999:SRF


Julien M. Hendrickx and Alex Olshevsky. Matrix \(p\)-norms are NP-hard to approximate if \(p \neq 1, 2, \infty\). *SIAM Journal on Matrix Analysis and Applications*, 31(5):2802–2812, 2010. CODEN SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic).


Yoo Pyo Hong. A canonical form for Hermitian matrices


[Hnetynkova:2013:CPW] Iveta Hnetyňková, Martin Plešinger, and Zdenek Strakoš.

Hnetynkova:2015:BGG


Hnetynkova:2016:SCP


Haviv:1993:SES


Heath:1995:CPN


Heinig:2000:HTR


Heinig:2004:NFA


Hongwei:2000:CCS


Herzog:2010:PCG


Hogg:2013:OWM


Hogg:2014:CTP


Higham:2016:BDN

REFERENCES

//epubs.siam.org/sam-bin/dbq/article/35608.


REFERENCES

He:1998:ACD

HW98

He:2011:SLS

HXY11

Hayami:2010:GML

Hu:2001:IMV

Hansen:2000:SPT

Hansen:2001:CSR

Iannazzo:2006:NMM
REFERENCES

Iannazzo:2009:FRI


Ishteva:2013:JAB


Ito:1994:BTP


Ipsen:2006:CAP


Ikramov:1997:CNT

REFERENCES

Ito:2010:ANI

Ito:2016:AGE

Iannazzo:2013:SLA

Ipsen:2009:RPB

Ipsen:2006:SIA
REFERENCES

0895-4798 (print), 1095-7162 (electronic).

Ipsen:2009:SIA


Ipsen:2008:PBD


Iwata:2007:CAS


Ipsen:2008:PCS


Ipsen:2011:ECD


Irony:2006:SBP


Iwata:2011:KCF


Ito:1996:ENT

Takashi Ito. Every normal Toeplitz matrix is ei-


REFERENCES


REFERENCES


[Joh08] Marcel Joho. Newton method for joint approximate diagonal-


REFERENCES

Jones:1994:FSI


Jungers:2009:CCP


Johnson:1988:CTP


Janssen:1999:ACR


Jiranek:2008:MAA


Jeannerod:2013:IEB


Jiranek:2009:HMS

REFERENCES


REFERENCES

Jonsson:2004:SPS

Jeuris:2016:KMB

Jia:2011:RVS

Jin:2003:SPC

Jia:1999:CSS

Knyazev:2007:MCA

Knyazev:2010:RRM
Andrew V. Knyazev and Merico E. Argentati. Rayleigh–Ritz majorization error bounds
REFERENCES


**Kaagstrom:1994:PAG**


**Kanzow:1996:SNC**


**Kaplansky:1990:APD**


**Karow:2010:SPC**


**Karow:2011:VSV**


**Karow:2011:SPS**


**Kautsky:1992:GQI**

Jaroslav Kautský. Gauss quadratures: An inverse prob-

**Kaufman:1993:ABS**


**Kaufman:2006:EPF**


**Keel:1990:MEA**


**Kaszkurewicz:1993:RSD**


**Kilmer:2013:TOT**


**Kailath:1994:GDS**


**Kimura:2009:VSS**

REFERENCES

DEN SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic).

**Kuo:1990:MFE**


**Khabou:2013:FPR**


**Keller:2000:CPI**


**Kilmer:1999:CLP**


**Kirkland:1992:ERL**

References


Kirkland:1995:GIA

Kirkland:2002:QCC

Kittaneh:1995:SVC

Koskela:2016:KAL

Ku:1993:SPPb

Ku:1993:SPPa

Kaagstrom:2007:MVQ
Kazeev:2012:LRE


Karow:2006:SEC


Kenney:1989:CEM


Kenney:1991:RIM


Kenney:1992:SNM

Charles Kenney and Alan J. Laub. On scaling Newton’s

**Kenney:1998:SFA**


**Krupnik:1998:SUM**


**Koch:2007:DLR**


**Kenney:1998:SCE**


**Kuo:2016:SPF**

REFERENCES

Kuo:2004:RLD


Kuo:2007:SPD


Kunkel:1996:GID


Kolda:2011:SPM


Kolda:2014:ASP


Katsouleas:2016:IPR


Kovalenko:2011:EEE

Andrey Kovalenko, Trond Mannseth, and Geir Nævdal.

**Konstantinov:2001:PAH**


**Koukouvinos:2001:VMI**


**Koukouvinos:2003:VMI**


**Kostic:2015:MNP**


**Kavanagh:1989:CCP**


**Koltracht:1991:IMP**

REFERENCES

1991. CODEN SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic).


Knizhnerman:2004:SEJ


Knight:2008:SKA


Kirkland:2002:EPR


Kirkland:1997:DWT


Kirkland:2004:CEG


Kilmer:2001:CRP


Kailath:2005:DSA

REFERENCES


Koskela:2014:MMA

Kolesnikov:2015:LRA

Koev:2007:A

Kohaupt:1999:SLD

Kolda:2001:OTD

Kolda:2003:CPE
Tamara G. Kolda. A counterexample to the possibility of an extension of the Eckart–Young low-rank approximation theorem for the

**Kontoghiorghes:2000:PSR**


**Kim:2007:SPA**


**Konstantinov:1999:NPT**


**Kim:2008:NMF**


**Konstantinov:1994:NPA**

Kressner:2009:SHC


Kofidis:2002:BRA


Kratz:1995:ITM


Kressner:2008:EAE


Knight:2014:SPA


Kaufman:1992:SNL

Kilmer:1999:IRM


Klein:2003:SRV


Klein:2008:RSC


Kuo:2012:SPC


Kazeev:2015:TAS


Kim:2002:MSN


Kitahara:2010:PWL

Kressner:2010:KSM


Kressner:2011:LRT


Kaya:2013:CET


Kuijlaars:2000:WEF


Kuijlaars:2014:SMC


Kuczynski:1992:ELE


Kuczynski:1994:PBE

[KW94] J. Kuczyński and H. Woźniakowski. Probabilistic bounds on the ex-

**Kolotilina:1993:FSA**


**Kielbasinski:2010:NNS**


**Latham:1995:EES**


**Latham:1995:RMM**

Geo A. Latham. A remark on Minc’s maximal eigenvec-


REFERENCES

Lawrence:2015:BEP


Lee:2015:EFE


Lee:2016:RCA


LeCadre:1996:PRE


LeBorne:2006:MHM


Lundstrom:2002:AEC


Lee:1995:PUB

Lee:1996:BAB


Lehoucq:2001:IRA


Lewin:1991:NIM


Lewis:1996:GIC


Lewis:1999:LTN


Levy:2002:CSD


Li:2002:MMT

REFERENCES


Li:2012:NER


Li:1991:SID


Li:1993:BPG


Li:1995:NPB

REFERENCES


[Liesen00] Jörg Liesen. Computable convergence bounds for GMRES. *SIAM Journal on
REFERENCES


Liu:2012:PBS


Lyness:1995:ASN


Lui:1997:HML


Lehoucq:1998:UGC

REFERENCES


REFERENCES


[LP89] Bernard F. Lamond and Martin L. Puterman. Generalized inverses in discrete time
REFERENCES


Chi-Kwong Li, Yiu-Tung Poon, and Nung-Sing Sze. Eigenvalues of the sum of matrices from unitary similarity


Christian Lubich, Thorsten Rohwedder, Reinhold Schneider, and Bart Vandereycken. Dynamical approximation by hierarchical Tucker and tensor-train tensors. *SIAM Journal


Wen Li and Weiwei Sun. Combined perturbation bounds: I. eigensystems and singular

**Laffey:2010:SCC**


**Lin:2011:CCP**


**Lu:2016:SAT**


**Li:1994:NEC**


**Luo:1994:PAC**


**LeCadre:1997:MDP**

J. P. Le Cadre and O. Trémois. The matrix dynamic programming property and its impli-
Liesen:2009:BAP


Lu:1994:FSC


Lu:1995:FAC


Lu:1996:SVL


Lu:1998:GHM


Lu:1998:PAM

REFERENCES


Lasser:2002:EEL


Li:2002:LRS


Li:2005:LBC


Liu:2013:SLS


Liu:2015:MMT


Liu:2014:CSC


Lee:2006:CIM

Young-Ju Lee, Jinhbiao Wu, Jinghao Xu, and Ludmil Zikatanov. On the convergence of iterative methods for
REFERENCES


REFERENCES


Liu:2005:DSS


Lu:2010:MNI


Lancaster:2014:ISQ


Maroulas:1999:CDN


Mackey:1995:HJM


MacInnes:1999:SSM

Maesumi:1998:CFS


Mailybaev:1999:TFM


Malyshev:2003:UTC


Malick:2004:DAS


Malyshev:2006:CSE


Marchi:1991:ECE


Markovsky:2011:CLS

REFERENCES


Mathias:1993:PBP


Mathias:1995:AEC


Mathias:1995:CEM


Mathias:1996:CRM


Mathias:1997:BMS


Mathias:1997:SPB


Mathias:1998:QRB

REFERENCES


Matsuura:2005:RAM

Matejas:2009:AJM

Mayer:2012:OPL

Meerbergen:2010:LMP

Moro:2003:LRP

Moro:2005:OVL

Moro:2008:OVT
REFERENCES


[Mei04] Beatrice Meini. The matrix square root from a new functional perspective: Theoretical results and computational issues. SIAM Journal on Matrix Analysis and

Melman:1999:BEE

Melman:2001:EOS

Melman:2004:CSE

Mengi:2008:EDU

Mengi:2012:NLS

Meszaros:2008:NII
Csaba Meszáros. On numerical issues of interior point methods. SIAM Journal on Matrix Analysis and Applications, 30
REFERENCES


Meurant:1992:RIS


Meurant:2011:RNF


Meyer:1994:SSD


MG92


Meurant:2011:RNF

Meurant:2011:RNF


Mani:1995:DBB


Mead:2013:TCR

Morikuni:2013:IK


Morikuni:2015:CII


Mu:2015:SRO


Miminis:2000:SAG


Miminis:2013:IPA


Miyajima:2014:FEA


Michiels:2011:KBM

References


REFERENCES


Anna Ma, Deanna Needell, and Aaditya Ramdas. Convergence

**McDonald:1996:IUM**


**Murthy:1999:NLM**


**Mastronardi:2010:DFM**


**Moakher:2002:MA**


**Moakher:2005:DGA**


**Marchi:1991:PTN**


**Moler:1992:DGH**

Cleve Moler. Dedication to Gene H. Golub on the oc-
Monnigmann:2011:FCS


Morris:1994:LDT


Morgan:1995:RGM


Morgan:2000:IRG


Maslen:2004:CIP


Morris:2012:NSC


Massoudi:2016:AIM

Arash Massoudi, Mark R. Opmeer, and Timo Reis. Analysis of an iteration method for

**References**

- **Mangasarian:1995:ELC**

- **Murthy:1995:SPF**

- **Mond:1998:IHP**
Meini:2011:PIS


Mehrmann:2012:DAP


Murthy:1998:SRR


Murthy:2000:SSL


Migallon:2001:NMG


Meerbergen:1997:RAM


Marcus:1991:HSR


REFERENCES

Murota:1998:DMP

Marr:1988:FDT

Mackens:1997:MES

Martin:2002:PTS

Martin:2007:SKP

Martin:2007:SRL

Martin:2008:JTM
REFERENCES

273


Mastronardi:2013:AFS


Mach:2014:DEA


Markovsky:2005:BTH


Moonen:1993:SAS


McLean:2001:SFS


Meyer:2012:SDC


REFERENCES


REFERENCES


REFERENCES


**Noferini:2015:TRA**


**Noutsos:2008:RHN**


**Naevdal:1998:CIN**


**Neubauer:2002:OSB**

REFERENCES


M. A. Olshanskii and V. Simoncini. Acquired clustering properties and solution of certain saddle point systems.
REFERENCES


Oseledets:2010:AMU


Otta:2014:ESS


Ottaviani:2014:ESS

Oseledets:2009:FSO


Ov:2010:AMU

Ostrovich:2010:MCV


Ostroumov:2010:MCV

Oarua:1999:MDC


Overton:1988:MME


Christopher C. Paige. An augmented stability result for

Pal:2011:MET


Pang:1991:IDA


Pang:1993:DDR


Pan:2016:HBV


Padiy:2000:GAM


Parlett:1992:RTF


Park:1994:EDA

Haesun Park. ESPRIT direction-of-arrival estimation in the presence of spatially correlated noise. *SIAM Journal on Matrix Analysis and Ap-
REFERENCES

Park:1999:RAE

Parlett:2005:BMD

Parlett:2016:IEP

Patel:2016:HTM

Park:1999:RAE

Pearson:1988:BSA


REFERENCES

Parlett:1993:FIT


Pierce:1997:SMR


Protasov:2014:ROC


Plestenjak:2000:CMR


Plestenjak:2006:NMT


Patel:1994:CSI


Pelaez:2006:AFE

REFERENCES

Pruessner:2003:BDU


Popova:2012:EDA


Popova:2015:SPI


Powers:1988:EDR


Pierce:1992:FAC


Park:2005:NDA


Park:2005:RBL

REFERENCES


[PRS06] Christopher C. Paige, Miroslav Rozloznik, and Zdeněk Strakos. Modified Gram–Schmidt (MGS) least squares, and backward stability of MGS-GMRES.
REFERENCES


Petz:2005:MPN


Phan:2013:LCD


Powell:2010:PSG


Parlett:2009:SGM


Pletz:2005:MPN


Phan:2013:LCD


Powell:2014:EPS


Pultarova:2013:FAA


Parlett:2009:SGM


Plemmons:1990:SMC

REFERENCES

**Pan:2003:IDO**


**Paige:2014:PUM**


**Pestana:2014:AFS**


**Qian:2013:CDR**


**Qian:2015:ASE**

Qi:2011:BRO


Qi:2013:SNM


Qi:2006:QCN


Qi:2014:NTF


Qi:2004:SSF

REFERENCES

Qiu:2005:UIM

Ralha:2011:RES

Rauhala:2002:AAEa

Rauhala:2002:AAEb

Ram:1990:EEB

Rajih:2008:ELS

Regalia:1995:DSC


Richter:1993:ECS


Rothberg:1998:NSS


Reddy:2013:FPD


Reichel:1991:FDV


Reusken:2002:ADL

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<th>Title</th>
<th>Journal</th>
<th>Volume</th>
<th>Issue</th>
<th>Pages</th>
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<th>DOI/URL</th>
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REFERENCES


REFERENCES

Rohn:2003:SSL


Russo:2010:PHS


Rosen:1996:TLN


Rosen:1998:STL


Ran:1994:FMP


Roh:1996:IM


Rex:1998:SCR


M. Rozloznik and V. Simoncini. Krylov subspace methods for saddle point problems with indefinite preconditioning. *SIAM Journal on

Reid:2006:RTB


Rommes:2008:CDP


Rothblum:1994:SMP


Robbe:2009:IIS


Ron:2001:CSR


Rokhlin:2010:RAP

REFERENCES


Saad:2016:F


Saad:2016:ASI


Saibaba:2016:HHO


Saad:1997:AAK


Salzberg:1988:TPS


Santos:1988:NNI

Shapiro:1988:DAO

A. Shapiro and J. D. Botha. 
Dual algorithms for orthogonal Procrustes rotations. 
CODEN SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic).

Shro:1992:ACE

Gautam M. Shroff and Christian H. Bischof. 
Adaptive condition estimation for rank-one updates of QR factorizations. 
CODEN SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic).

Sun:1995:BKR

CODEN SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic). 

Su:2001:CPA

Yangfeng Su and Amit Bhaya. 
Convergence of pseudocontractions and applications to two-stage and asynchronous multisplitting for singular M-matrices. 
CODEN SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic). 

Sun:2003:KPR

Xiaobai Sun and Yujuan Bao. 
A Kronecker product representation of the fast Gauss transform. 
CODEN SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic). 

Simoncini:2004:SPH

Valeria Simoncini and Michele Benzi. 
Spectral properties of the Hermitian and skew-Hermitian splitting preconditioner for saddle point problems. 
CODEN SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic). 

Sidje:2005:BTA

Roger B. Sidje and K. Burrage. 
QRT: a QR-based tridiagonalization algorithm for nonsymmetric matrices. 
_SIAM Journal on Matrix Analysis and Applications_, 26(3):878–900, Jan-
January 2005. CODEN SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic).


REFERENCES

Scherer:1995:ARE


Schmid:1995:TDM


Scherer:2005:RRL


Sorensen:2015:CCPa

[Mikael Sorensen and Lieven De Lathauwer. Coupled canonical polyadic decompositions and (coupled) decompositions in multilinear rank $(L_r,n,L_r,n,1)$ terms — Part I: Uniqueness. *SIAM Journal on Matrix Analysis and A-


**Seneta:1998:CSM**


**Sendov:2006:GHP**


**Serra:1996:PSH**


**Stoica:1995:OWM**


**Severini:2003:DUM**

REFERENCES

**Shao:2014:ATT**


**Slapnicar:1991:QCF**


**Stam:1991:ORM**


**Suffridge:1993:AHP**


**Shader:1995:LSS**


**Shen:2009:IEI**


**Shao:2003:MSS**

Shen:2010:EEP

Shen:2012:ABT

Sidi:1995:AVV

Szyld:1992:TSM

Silbermann:2003:MFS
REFERENCES


Jason Slemons. The result of two steps of the $LR$ algorithm is diagonally similar to the result of one step of the $HR$ algorithm. *SIAM Journal on Matrix Analysis and Applications*, 31(1):68–74, ????, 2009. CODEN SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic).

Naomi Shaked-Monderer, Immanuel M. Bomze, Florian Jarre, and Werner Schachinger.

Smith:2003:SAC


Sayed:2002:RRD


So:1992:ECM


Sorensen:1992:IAP


Spears:1998:CAP


Song:2013:SPP


Shroff:1989:CCJ

REFERENCES


REFERENCES


[Ste10a] Alwin Stegeman. On uniqueness of the $n$th order tensor decomposition into rank-1

---

**Stewart:2010:SAM**


---

**Stegeman:2011:UCT**


---

**Stewart:2011:NAO**


---

**Stegeman:2012:CPD**


---

**Stegeman:2013:TWJ**


---

**Stewart:2016:CCR**


---

**Stuart:1988:IMM**

REFERENCES

Stuart:1989:ETI

Stuart:1991:DHM

Stanford:1994:SCP

Sun:1989:NLB

Sun:1995:PAC

Sun:1995:PBG

Sun:1996:PAP

Sun:2004:BPA


[SV15] Yifan Sun and Lieven Vandenberghe. Decomposition methods for sparse matrix near-

Sleijpen:1996:JDI


Sleijpen:2000:DER


Stern:1991:ENI


Stern:1994:TRP


So:1997:ESS


Sun:1998:IOR

REFERENCES

Stoll:2008:CPB


Sweet:1993:UPI


Shivakumar:1996:TSB


Shen:2000:ESF


Szyld:2011:EPI


Sorensen:1998:TRI


Shen:2000:ESF

[SYJ00] Kai Shen, Tao Yang, and Xi-

**Saad:1999:BDB**


**Schöberl:2007:SIP**


**Syrmos:1995:EDS**


**Tam:1997:BSD**


**Tam:1998:PSE**


**Tam:1999:IIC**


[Toh97] Kim-Chuan Toh. GMRES vs. ideal GMRES. SIAM Journal on Matrix Analysis and


Trench:2005:CPS


Troutt:1990:EFR


Truhar:2006:RRB


Trefethen:1990:ACS


Tong:1999:OBP


Tsao:1994:EMS


Tsatsomeros:1998:SCS

REFERENCES


REFERENCES


Antonia Vecchio. A bound for the inverse of a lower trian-

Venkateswaran:1993:ALC


Verhaegen:1996:SMI


VanBarel:2005:ORF


VanDooren:2010:OMR


Vandebril:2009:QSA


Voos:2012:RVR

Vijayan:1993:FTF

Vecharynski:2014:FUA

Viswanath:1998:CNR

VanHuffel:1988:ASN

VanHuffel:1989:APG

Vandereycken:2010:ROA
References


REFERENCES

Walshaw:1995:DDP


Walker:2003:RCT


Wang:1998:SLM


Wang:1998:BIR


Wang:2015:SVP


Watson:1992:AMT


Watson:1992:CSS


Watkins:1993:BCA

Watkins:1995:FST


Watkins:1998:BEA


Watkins:2000:PAP


Watson:2001:DFP


Watson:1989:CHL


Chu:2003:PEM


Wang:2014:GCA

DEN SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic).

Wei:2016:GRO


Wei:2010:CDR


Wei:2000:UPB


Wicks:1995:CMN


Watkins:1989:SEF

REFERENCES


White:1989:MDW


White:1990:MSP


White:2000:MMO


Wills:2009:ORG


Willms:2008:ARE


Wimmer:1988:EPH


Wimmer:1988:LME


Wimmer:1992:ESM

Harald K. Wimmer. Explicit solutions of the matrix equa-


REFERENCES

343


Wimmer:2006:ISH


Willems:2012:TFT


Wei:2005:PBD


Willems:2006:CBS


Woznicki:1993:EOR


Wright:1995:SLE


Wright:1997:SAS

[Wri97] Stephen Wright. Stability of augmented system factorizations in interior-point meth-

**Wu:2000:TRL**


**Wei:2012:MRS**


**Wirth:2006:SEA**


**Wubs:2011:RTL**


**Wulling:2005:SCC**


**Vong:2011:ULM**

Wu:2008:CJC


Wei:2016:TRR


Wang:1991:ASP


Wang:1995:TEI


Xia:2010:SMM


Xue:2010:CAI


Xue:2012:FI

[XE12] Fei Xue and Howard C. Elman. Fast inexact implicitly restarted Arnoldi method for generalized eigenvalue problems with spectral transforma-
REFERENCES


REFERENCES


REFERENCES


[Zhang:1999:RSE]


 REFERENCES


1773–1788, ????. 2009. CODEN SJMAEL. ISSN 0895-4798 (print), 1095-7162 (electronic).

**Yu:1997:MAT**

**Yalamov:1998:SPA**

**Peng:2012:SME**

**Yang:2010:FRP**
Yuning Yang and Qingzhi Yang. Further results for


REFERENCES

Zhou:2014:CMC

Zhang:2007:SFA

Zhang:2001:ROA

Zha:1991:RSV

Zha:1993:CPA
Zhang:1993:SSN


Zha:1995:CLL


Zha:1997:ISV


Zhan:1999:IUI


Zhan:2000:SVD


Zha:2001:MDR


Zha:2004:ECI

Xiao-Dong Zhang. The equality cases for the inequalities of Fischer, Oppenheim, and Ando for general $M$-matrices. *SIAM J.
REFERENCES


Zhan:2005:EER


Zhang:2010:RNM


Zhao:2010:LFC


Zheng:1996:FSG


Zheng:1998:NFS


Zhlobich:2012:DAS


Zheng:2016:MTI

Ning Zheng, Ken Hayami, and Jun-Feng Yin. Modulus-type inner outer iteration methods for nonnegative constrained least squares problems. SIAM Journal on Matrix Analysis

Zhang:2005:HGH


Zhang:2010:FAG


Zhang:2012:BRA


Zanna:2002:GPD


Zhang:2010:SIS


Zhang:2014:TSA

[ZQZ14] Liping Zhang, Liqun Qi, and Guanglu Zhou. M-tensors and some applications. SIAM
REFERENCES


Lei-Hong Zhang, Jungong Xue, and Ren-Cang Li. Rayleigh–

**Zhang:1993:IHI**


**Zha:1999:MLR**


**Zhang:2001:SPA**


**Zhong:1998:FAI**


**ZZ98b**

REFERENCES

Zhang:2002:LRA


Zhang:2004:LRA


Zizler:2002:FAE