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]. (1 + \sqrt{2}) [CP17]. (A, B, C, D) [CMT09]. (AB - LB, DR - LE) = (C, F) [Kåg94]. (L_r, L_r, 1) [De 11]. (L_r, n, L_r, n, 1) [SD15a, SDD15]. (\lambda, \mu) [JKM11]. (R, S) [Tre05]. (\sigma_1, \sigma_2, \sigma_3) [ES09]. 0 [Ho90]. 1

BLW15, BV00, BH96, Har99, HT00, Ho90, KR02, NW14. 2

[BZ98, BK89, CG15a, EK96, FKLR13, HR14, LT09, Pai09, SYJ00, TT14]. 2\times 2d [Ose10], 2 \times 2 [ABL94, HLW05]. 3

[BBM02a, CO12, EK96]. 3 \times 3 [BL91], 4n^2

[HY00], A [VV89, Car94, WZ91]. A(k) [Art96]. A + \mu B [JKM11]. A = UPD [Eir00]. A^k [Gri88]. A^m = A^n = IJ [Ho90].

A^T X \pm X^T A = B [Bra98]. A X - X B = C [BHH88]. A X = B [yPWjP12]. A x = \lambda B x

[WZ91]. A X \approx B [HPS+11, HPS13, VV89].

AXB + CYD = E [LBL05, Özg91].

AXB^* + CYD^* = E [SC03]. B

[Ste10b, WZ91]. BR [GHW99]. BXAT = T

[DHZ03]. C^p [FP98]. \mathcal{G} [JMW96]. \mathcal{H}_2

[BB12]. \chi^2 [MH13a]. cp [SMBJS13, BSU15].

CUR [DMM08]. D

[KMS01, KMS03, GSCS15]. G

LT89, NSCS10. H

[AYLR04, AH07, KL98b, LG06]. H_{\infty}

[HLT12]. H_{\infty} [GGO13, FSV14]. HR [Sle09].

I \otimes A [Gre05]. I \times I \times 2 [SD09]. K

[Car94, Yas03, BT06, GGL04, KM16, Kon00, Pro13, Sor92]. L [Stu91]. \lambda [CLS88, JKM11].

LDLT [Tüm02]. LDU [CRU08]. LR

[Gen98, Sle09, Xu98]. LTI [Ver96]. LU

[AP02, BFM03, BT02, DD97, DM05].
EMC17, GL93, GDX11, HT17, KDGG13, Ogi10, RJ14, Ste93a, Tol97, Zha01, ZFW07, vdBvdV93, SY-Jo0, DY90, JOvdD89. M [BY88, KN89, KN91, MSZ03, SB01, Zha04, Bor09, DMS09, DMS12, DMS13, Guo01b, He95, HHH12, JS07, KN98, LZ97, MNST96, SWYM96, Wan98b, gWcWL12, Xue96, XL00, ZQZ14]. C* [EHVp04]. D [OP05]. QPlate [GSCS15]. R [Cho10, EHVP04], C [BDD94]. \( \mathcal{H}_\infty \) [ASvG17, FG15, GAB08, VGA10]. \( \mathcal{H}_\infty \) [MG10]. \( L_\infty \) [ABM+17]. MR^3 [WL12], \( \mu \) [Kar11a], N

[BY88, BH96, KN89, RR96, Stu89, AH07, Bor09, DMS09, DMS12, DMS13, Guo01b, HHH12, LZ97, MNST96, MN97, MP95b, Pei01, SWYM96, YL00, Yas03, JS07, Stu88].

\[\Phi(A) = \frac{1}{n} J_n \text{ [Che01b, XZC99]}, p \neq 1, 2, \infty \text{ [HO10]}\]

[MP95b]. \( q \) \[DP15\].

\[QQ \text{ [Wat00]}\]. \( R \) [He99].

\[r(A)r(AD) \text{ [Alt13]}\]. \( r(A^2D) \text{ [Alt13]}\). \( R_1 \text{ [DDV00b]}\). \( R_2 \text{ [DDV00b]}\). \( R_3 \text{ [DDV00b]}\). s [CD14, CD15]. \( S^+ \text{ [SYJ00]}\). sep^{-1} [KP92].

\[\text{Sep}_1 \text{ [GO06]}\]. \( sL - M \text{ [SL94]}\). \( \sum A_i X D_i = C \text{ [Wim92]}\). \( T_A - FT = LC \text{ [Tsu93]}\). tan \( \theta \text{ [AMS07]}\). tr \( f(A) \text{ [UCS17]}\). U [NQB14]. ULV [CGP06, Ste93b]. URV [SV00]. UTV [Fos03]. \( \varphi \text{ [GG14, KO14]}\). W [FIH15]. X [Cap00, DH03].

\[Y(k) = A(k)Y(k-1) \text{ [Art96]}\]. Z [MN97]. ZME [Stu88, Stu89].

\[\text{Commute [JMW96, DVO8a, SB05]}\]. - Bernstein [DP15].

\[\text{By- [EK96]}\]. - Circulants [NSCS10].


\[\text{Matrices [MSZ03, Stu91, SB01, Zha04, BY88, BH96, KN98, RR96, Stu89, AH07, Bor09, DMS09, DMS12, DMS13, Guo01b, HHH12, LZ97, MNST96, MN97, MP95b, Pei01, SWYM96, YL00, Yas03, JS07, Stu88]}\].


\[\text{Person [Mar91]}\]. - Primitive [Pro13].

\[\text{Product [ZRV95]}\]. - Rank [BSU15, KM16, SMBJS13]. - Regular [Cao00a, Cao00b]. - Relative [Bar00b].

\[\text{Selfadjoint [KL98b]}\]. - Similarity [CG15a]. - Skew [Tre05]. - Spectral [CP17].

\[\text{Stability [OP05]}\]. - Step [CD14, CD15, Sor92]. - Symmetric [Tre05].

\[\text{Tensors [CO12, QZQ14]}\]. - Toeplitz [NSCS10]. - Type [BBD11, WL12].


\[\text{H}[Hc89b], 13 [CH93a], 15 [Zha95], 15023 [GI97], 15th [Mol92], 17 [GI97, Ink97].

\[27 [WW08], 2D [FV98].

\[32 [Ano11]

\[70th [GRIV90].

\[1000\]
Aberth [BGT05b]. ABLE [BDY99].
Abscissa [FL99, GO11, HGCO0, KV14, LV17].
Absolute [CO99, EI98]. Accelerate [RCH08]. Accelerated [LGC+14, TP14]. Accelerating [BJM05, WZ17].
Acceleration [BRZ06, ENV92, PS08, SK16, AdHN88].
Accuracy [CD14, CD15, CHKL01, DMM03, GKK94, GI97, Gre97, GS00b, JR08, Mat09, Par05, HL06]. Accurate [AGL98, Bar02, BPE94, BV01, CGCDM13, DP15, DK88, DV92b, Dem99, DK05, DM04, DK06, DJ00, Drm00a, DV08c, DV08d, EKNX93, HB12, Hey95, Ips06, Ips09, Koe05, Koe07, Mas94, Mat95a, Og10, PM06, Ral09, SGX14, STT17]. Accurately [Fer98]. Acquired [OS10]. Active [KP08].
Adaptive [BGT05b, BDY99, Bar08, Dan91, DSZ14, KM14, Lu10, LE02, PP92, SB92, Cri88].
Addendum [GI97, Ste02]. Addition [BT13]. Additive [BP05, BW93, FS97, Zab91]. Additivity [HS98]. ADI [CR96]. Adjacency [FST+13]. Adjacency-Spectral [FST+13]. Adjoint [Cao09, LP01, Lie09, Rod05, ZAK13, vMDs05]. Adjustment [BX05]. AE

Algebras [BIP08, Bol90, BM02, BW99, CL17, CT08, DH06, DG91b, DG91c, DLM13, EZ95, EK17, FL02, FT14, FV98, FS97, GGV05, dMGF14, Guo98, GL00b, GL00a, Guo01b, GH07b, GIM08, Hoo17, JL98, JOAK10, Kap90, KP99, KM96, LwCKL13, LS17, Lg502, LX12, Lu05, MOR16, Neu00, Not06, Not16, Pap00, PS05, PUL13, SKP11, Sim16, gS98b, Sm04, VFO0, VZ06, gWcWL12, XLS16, Zim17, CRR93, San88, Sch95a].

Algebraically [RW01]. Algebras [BD95, CO99, Di09, Di00, KHH04, MMT08, Tmn99]. Algorithm [ALAK94, AA94, AMMS08, AMH10, ADD96, Arg15, AB01, BOCL97, BES05, BL15, BEG+09, BP92, Bor14, BBM02a, BBM02b, BG06b, BMU94, CM93, Cav94, C95a, CS96b, CGS98, CGGS99, Cha00, CGS+08, CH98, CCG+09, COV14, CG15a, CB00, DBW15, DW06, DH03, Day97, DV07, DGL99, DMM03, DV08c, DV08d, EKE99, FH15, FLM10, FMB3, Fub07, GHW99, GNP94, GHHW90, GDX11, GPS90, GLS94, GE94, GE95a, GbCC03, GO06, GOS15, Guo02, Guo03, GIM08, GHT10, GL10, HN90, HO94, HB12, HW98, HMR01, HR95, HTO0, HL11, HL13, HG14, IM13, IK06, IAV13, IM16, IO16, JR99, JS94, K07, Kau93, KL98a, KHH04, Kn08, KRU14, Kre08, KW94, LHC16, LGC+14, LH05, LZ10, MM11, Mars12, MVL00, MTV10, Me01, MM09, MVV92, NRT92b, OW96]. Algorithm [PYHK93, Par99, PO03, QXX14, RD95, RST10, RS08, SK95, Sen98, SB05, Sle09, Smi03, ST01, Spe98, Ste01, Ste02, Ste05, Ste06, Tasi15a, Tur03, Usc12, VZ91, Van11, VW12, Ven03, WZ01, gWcWL12, Wat95, Wat00, WL12, XK04, YP98, Ya10, ZS14, Zha17, ZJ15, Zhi12, ZZ98b, ZS07, Zim17, Bar99, CJL96b, CH92, CH93a, CM99, CM92b, DY90, Fuh88, GIMT95, GEX95b, MT89, Qia88].

Algorithmic [BBG2, EL08, GG13].

Algorithms [AG91b, AH16, AG92, AD98, AD99b].
 almost-diagonal \[\text{HD97}.\]

Alternating directional \[gWcWL12].

Alternative \[BES05, BE10].

Among \[BHH +08, Mat05, GPTPV16\].

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

Analogue \[CH88].

Analyses \[CPS97, CP98, PGVR98\].

Analysis \[Afs08, AB01, AKP08, Bar93a, BH90, BH93, BGS07, BvdG11, BC10, BCW12, CG03a, CI95a, CGP09, Che01a, CL09, CLN12, CD17, CCG +09, CGH11, CS10b, DHT01, DSSC11, EZ95, EK17, FT14, Fie96, FC01, GSCS15, GP97, Gil13, GS06, GGV05, GS10b, Gow96, Gul95, Guo02, HHRV99, HJ0vdD93, Hig90b, HHC03, HC15, HKB08, IK06, IS07, IO16, JJ03, Kig94, KS03, KN09, KPC94, KMP01, KMN11, LVV16, Lew96, Lew99, LG02, LX06, LSB16, LS95, LT94b, MOR16, MT15, MM09, MS03, Nap13, NOZ11, NZ16, Not03, Not14, PP05a, PP05b, PAH17, Pul13, QCT16, RRR06, RST10, Saa97, Saa16, SST06, Sim16, Ste05, Ste06, Ste11b, Sun95a, Sun96, Sun04, VV88, VV89, Wat92a, Wei92, Wei11, WL12, XE10, YC97, YL97, Zha93a, ZZ01, ZZS02, ZLN10, CM89]. analysis

[CM92b, DB88, HC89a, HC89b].

Analytic \[AHH01, CR10, He99, LMZ03, Wi08\].

Analyticity \[QT15, QT16\].

Ando \[Zha04\].

Angles \[BL91, CS96a, Drm00b, KA07, QZ10\].

Anti \[FMRR13, Ver96\].

Anti-Gauss \[FMRR13\].

antiferromagnetic \[CRR93\].

Antinorms \[GZ15\].

Antireflective \[BDSC11\].

Antisymmetric \[KK17\].

antitriangular \[CLN12, MV13, PW14b\].

Any \[AKP08, CT99, GPS06, Pa09, TM12\].

Apart \[Rum15\].

Appearing \[BW05\].

Application \[AMH09, AH14, BG15, Bez12, BM01, CR96, CS01, CS10b, FMR13, GPM03, GS06, GP16, HM04a, HR00, HT00, HHLW13, Ian09, KS03, KMS01, KMS03, Li99, LF02b, LY03, LV10, LK95, Mai09, Mat97a, MS10, PAP00, PL14, RB90, Rie92, STvD17, SWYM96, Sid95, SEM13, SS17, Sor92, TFL11, WA07, JN89, MP88\].

Applications \[AJRS13, Alt13, Arg15, AL98a, AB13, BO96, Bar93b, BBTT06, BKS08, BLO03, BCCG10, Cap00, CCJ +00, Che98, CC97, CD12, DCM08, DG91a, DJ09, EK91, EJ09, FPST13, FNS08, GLS12, HN90, IUM14, JI03, JW11, JKN11, KBBH13, Kni08, KA10, KH13, KS12, LL09, LZ05a, Lim07, Mat93b, Mat96, NP99, Pe01, PGVR98, RE13, Saa06, SZ07, SB01, TL06, TH01, Tsu93, WCW10, ZQZ14, ZZLY02, ZR95, AG88b, Fuh88, GCW89, KN94\].

Applied \[DFT92, EN08, MR97, RSS09, Wa03\].

Approach \[BE07, BL94, Bor90, BET02, BEGM05, CSX15, CL17, CG03a, CH06, CLE00, CF00, Dax08, DG91b, DG91c, DEG +99, EEE99, EKK99, Frie5, GL99, GRT07, GT02, IUM14, IM16, KO05, KB90, KN09, M004, Mim00, Moa05, NNT17, Neu00, PAP00, PL94, PR12, PJJ10, TET05, VFO0, VGV09, VV10, WE90, vdWM95, BV88\].

Approaches
Approximability [HHSW97].
Approximants [BL94, CM93, Hig01, Bas89]. Approximately [ADD96, Beb06, BM02, BS02a, BS02b, Che01a, Dav08, GRK17, GHL03, HO10, HM97, IKSG10, JT98, Joh08, LC16, LBL05, MS03, Pha01, SEM13, gS96, Tan99, TW00, TP14, XG10, vD99, KY93].
Approximating [CHKL01, DPP13, GGMO17, VV15, PS08].
Approximation [Arg15, AK90, AR93, Asw16, Bai05, BG15, BRZ06, BV95, Cap98, CS09, Chn91, CG98b, CP03c, CDLP05, DDV00b, DP00, DK98, DL17b, ES09, ES11, FZ16, GG11, GG14, GO11, GGO13, GN16, HK08, HPS13, HI15, HGL05, HT17, IAVD11, IAV13, IUM14, JK15, KN00, KS15, KL07, KL10, KR02, Ko03, KO15, KJH16, KK17, Lás94, LF13, LV10, Lu96b, LRS13, Mac99, MU13, Mat93a, MBB08, NS11, Os90, OSS14, Qi11, Rei91, Rei02, RHE14, SD16, SS10, Ste08, SH93, Tan94, TYUC17, Usc12, WC14, WCY15, WS12, ZMK02, ZG01, ZLQ12, ZXL14, Zie95, dS10, vD99].
Approximations [BN05, BD09, CG03a, Dax08, DMR09, FT07, FKL13, GR93, GLV10, GHR95, HB12, JKF10, MHG15, NNP04, NW14, Nie17, NTS15, RP10, Sid95, Ste13, STT17, ZZS02, ZZS04].
Arbitrarily [Run15, Rum91].
Architectures [GHT10].
Arrays [Cho10, GMBS12, LRA93, OST08, Ste08, SD09]. Arrivals [Par94]. Arrow [AG92]. Aspects [ZZTA02]. Aspects [EL08, LPT10]. Assignment [AD98, BMU94, FP98, GP97, Mim00, NK01, Sun96, Zab91, CM89, CM92b, Zab89].
Associated [BD95, CFG98, DMS13, JZ99, Kir95, Li93, MMT08, CRR93, Tre88b, WE89].
Astronomical [BN06a]. Asymptotic [Meh08, MT00, Na98, NSCS10, Ser98, SM16]. Asymptotically [Li06]. Asymptotics [BSU15].
Asynchronous [ADL01, AD05, GLL19, SB01].
Attainable [CD14, Gre97, JR08, Lás94].
Attention [IS08]. Augmentation [SHZ12].
Augmented [CFT16, EG00, GGL13, Gut14, Mas16, Mor95, PAP00, Pai10, Saa97, WZ17, Wri97].
Augmenting [Rie92].
Autocovariance [Elt92]. Automata [GDF01].
Automated [EV06]. Automorphisms [IZ04]. Available [Lee96].
Average [TS90]. Average-Case [TS90]. Averaging [Moa02]. Avoid [SD09].
Avoiding [BB14, DGGX15, KG13].
Axis [Sch95a].
Back [IT06]. Backward [AA09, Ari00, AB01, AMVW15, Bor10, BKMS14, BKMS15, BX08, CGP90, CL09, CB00, CM89, CM92b, CH99, DM04, EGTP17, GJTP12, Gu98a, Gul95, HH92, HH98, HL90, JTP98, KZ10, LC15a, LV16, NH12, PR06, RJ14, Rum15, gSS97, gS98a, gS99a, Sun04, Tis03, Var94, XW07, ZS14, ADD99].
Bad [Pan16].
Balanced [NM02]. Balanced [AK90, BM10, CFL07, HMP94, PR88].
Balancing [EN08, KSK97, LV06]. Band [AG91b, BGKS99, CD98, HPS15, Nal99, NV02, ZZTA02]. Banded [BS15, BM99, CG03b, DK08a, GLS12, HB94, IT06, JZ93, Kau93, KS17, TS99].
Bandwidth [RS06]. Banks [CMPX03, HM04a, Jia01]. Barabanov
Barycentric [Law13]. Based
[AT07, AR93, Bar08, BB12, Bor09, BDG15, BK95, BM95, CCR+00, CCR98, DFS14b, GR00, GZ13, HT17, HJP03, IAVD11, KO05, KP08, Li16, MMD08, MJM11, Not06, Pul13, SST05, SKP11, SB05, TMNV10, HK12, JMNC09]. Bases [BDD14, BD11, EM10, LP17, MP12, NS94, RV17, SV93, vdMS05]. Basic [DG91b, DD13a, Fer97, LF02b, MLV00, ZZS02]. Basis [BFP95, EZ95, EMC17, SS17, SB95]. Basis-Kernel [SB95]. Bauer [wC03]. Bayesian [BD12]. be [Hu92, Rum15]. Behavior [BK15, BLO07, Naj98, Rog05, Tam97, TM12, GS92, Sun89]. Behaviour [Drm96]. Being [Mas94]. Benford [BHKR11]. Bernstein [DP10, DP15]. Best [DDV00b, ES09, ES11, Fei94, GH92, IAVD11, IAV13, JK15, KR02, Las94, Lee96, LBL05, LT09, NW14, Qi11, RHE14, SS10, ZLQ12, dSL08]. Beta [DK08b]. Between [CG96, FN05, KA07, Pe98, Xu98, BS02b, CG92, CF02, De06, V17, SV93, vdMS05]. Bézier [Bez12, Fie95]. Bezoutian [HH93]. BiCG [ASvG17, Gut14]. BiCircle [GW07]. Bidiagonal [Bar02, Fer98, GL05, GE95a, JOvdD01, JOvdD04, LGC+14, Par05, WLV06]. Bidiagonalization [Ari13, Bjø14, 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 [de94a]. Birkhoff [CL14]. Birth [Cla10, DQ02, GdI08, Guo02, Guo03, HM901]. Birthday [GKRV90, Mo92]. Bisection [AL98a, Ji92]. Bivariate [NNT17]. Björck [BEG+09]. Black [AV91, MH95]. Blind [De11, PO03]. Block [AGJ14, AL95, BDY99, BB05, BBT07, BOS16, BDY99, Bom00, BB07, BCN95, CSMX15, CL17, CE02, CNW08, CG94, CD98, De08a, De08b, DN08, DRSZ07, DK15, Dm10, EP94, EG15, FMR13, FH17, FP98, FST+13, GLS12, Gar90, GL03, GGV05, Gov91a, GV99, GLS94, GLH03, Har07, HLV05, HT00, HG14, HO92, HK12, HC89a, HC89b, HIM94, JV16, KN00, KMP01, LM02, MM11, MVP05, Mus16, Meu92, MT00, MN97, NY95, Not14, OW96, Pe98, Pes14, RV12, Rog05, SZ99, SK95, Ser98, SHZ12, Sim97, Ste12, TW03, Wan98b, Wel11, ZS94, KP92, SS99, ES09, 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 [Peea88]. Block-Similarity [FP98]. Block-Toeplitz [CNW08, JV16, MVP05, KC94]. Block-Toeplitz/Hankel [MVP05]. Block-Triangularizations [IM94]. Block-Triadiagonal [HO92]. Block-Triangulosity [Bom90]. Blocking [PFR97]. Blocks [BV90, CDGS10, CNW08, GS10b, JV16, SS91]. Blockwise [XG98]. Blurring [RHE14]. Boolean [DD99, Jia98, HJ98]. Border [BDD14]. Bordered [Gov91a]. Bordering [BMMM93]. Bottom [PS94, RE98]. Bottom-Up [PS94, RE98]. Bound [BT92, DDY14a, DT11, EV06, FG94, Gow96, KK14, Lås94, Lat95b, Lee95, L99, LW05, Mat97a, SST05, Vec03, WLB05, PS88]. Boundary [ASA04, ABN09, BOS11, BL01, C01a, JLS01, LY91, MS99, NN04, Vav92, VH16, JN89]. Bounded [ABK+11, BE07, CG98, CGGS9, CGS01, Cor93, GGMO17, GR97, Kn00, Wat01, Yan93]. Bounded-Input [Cor93]. Bounded-Input/Bounded-State [Cor93].
Bounded-Realness \[\text{[ABK}^+\text{11]}\]. Bounding \[\text{[DS97, FB95, Hig90a]}\]. Bounds \[\text{[AMPV97, AKPP08, AR93, Axe92, AW05, BT10a, Bar93b, BS15, BMF05, BH90, BSU15, CS10a, DH93, DH97, EI98, FKL13, Gv98a, HS16, HDT10, HI15, IR08, IN09, JR13, JN93, Kt95, KA10, Kt95, KW94, Lee96, Li93, Li95, LS03, Li05, Li06, LS07, Li16, Lie00, LZ05b, Liu12, LR99, LPT10, Mas16, Mat93c, Mat97b, Mat98, Mel99, Môn11, Nab00, RBB90, RK95, Rum97, Rum12, RJ14, SWYM06, St91b, Sun95b, gS96, gSS97, gS98a, TVW15, Tru06, Wal03, WY17, WD00, Ye09, ZAK13, ZK17, vDHvdV00\].

Box \[\text{[AV91, MH95]}\]. Bramble \[\text{[FAT16, SW08]}\]. Breakdown \[\text{[RY05]}\]. Breakdowns \[\text{[AGJ14]}\]. Bregman \[\text{[DT08]}\]. Brent \[\text{[YB91]}\]. Bruhat \[\text{[OOvdD98]}\]. Brunovsky \[\text{[FGP00]}\]. Bulge \[\text{[WE94, Wat98]}\]. Bulge-Chasing \[\text{[WE94]}\]. Bulges \[\text{[Van11]}\]. Bunch \[\text{[DT11, JP93]}\]. Byers \[\text{[CT15, KZ10]}\].

C \[\text{[Joh96, Zha95, LW05]}\]. C-Numerical \[\text{[LW05]}\]. Calculating \[\text{[FSV14]}\]. Calculation \[\text{[CGV03, Môn11]}\]. Calculations \[\text{[MMH94, SY98]}\]. Calculus \[\text{[DK13, EDK16, Rau02a, Rau02b]}\]. Calibrating \[\text{[GS10a]}\]. CALU \[\text{[GDX11]}\]. Can \[\text{[Emb09, Fos94, HGC00, HSC04, Rum15]}\]. CANDECOMP \[\text{[GMBS12, PTC13, dMGF14, Ste08, SD09, Ste12]}\]. CANDECOMP/PARAFAC \[\text{[GMBS12, PTC13, dMGF14, Ste08, SD09, Ste12]}\]. Canonical \[\text{[BDD14, DV04, De 06, DJK17, DD13a, DD13b, DD14, DL15, GZ15, HMT10, IT11, SC05, SDC12, SD15a, SD15b, Ste11a, SL12, Ste13, Ste16a, Uc12, WCW10, ZQ10, ZM17, de 90, Hon89, WW08]}\]. Capizzano \[\text{[WW08]}\]. Carlson \[\text{[CF00]}\]. Cartan \[\text{[Tam99]}\]. Cartesian \[\text{[HR95]}\]. cascade \[\text{[GKR89]}\]. Case \[\text{[CCG}^+\text{09, FLT13, KK93a, LMZ03, NK01, SCBG05, Sta02, TS90, CM92b, MH95, Tis93]}\]. Cases \[\text{[BJ16, Fei94, So92, Zha04, BHH88]}\]. Cauchy \[\text{[HM90, Kt99, Rod06]}\]. Cauchy-Like \[\text{[Rod06, Kt99]}\]. Causal \[\text{[Ver96]}\]. Cayley \[\text{[LM98a]}\]. Center \[\text{[BE07]}\]. Centering \[\text{[Rie92]}\]. Central \[\text{[BD15]}\]. Centrality \[\text{[BK15, PAH17]}\]. Centro \[\text{[HBW90a]}\]. Centro-Hermitian \[\text{[HBW90a]}\]. Centroid \[\text{[CF02]}\]. Centrosymmetric \[\text{[Bai05, TY02, Wei96]}\]. Certain \[\text{[ADC04, BD93, Dan93, HKG09, HLT91, IZ04, KS08, OS10, Wi08]}\]. Certificates \[\text{[EMC17]}\]. CG \[\text{[NY95]}\]. Chain \[\text{[Bar00a, BF11, Es08, Hey95, HO98, Mat96, Mey94, OW96, ST01]}\]. Chain-Random \[\text{[Es08]}\]. Chains \[\text{[Bar93b, BHKR11, Bor09, BPS05, Br00, BrD07, DS97, DA05, DR93, EHW10, IM94, Kir02, LM06a, Liu12, Mas16, O'C02, TVW15, XG98, Zha93b, CRR93]}\]. Chan \[\text{[JWX03, KO05]}\]. Change \[\text{[BI99, DD16]}\]. Change-of-Variables \[\text{[BI99]}\]. Changes \[\text{[AKPP08, KA07]}\]. Characteristic \[\text{[BDF17, FIS01, IR08, RI11, Xu15]}\]. Characteristics \[\text{[PJB10]}\]. Characterization \[\text{[BZ00, CGH11, FV98, GG13, LF02a, MG10, TY02, Tre05, Wei96]}\]. Characterizations \[\text{[CGRVC08, CT08, CHW10, CH94, GP06, Yas03]}\]. Characterizing \[\text{[CPTP09a, JLZ16]}\]. Chart \[\text{[BBGM92, Tis03]}\]. Chasing \[\text{[Van11, WE91, Wat93, WE94]}\]. Chebyshev \[\text{[BE07, FLT10, GRT07, Koh99, LP17, Lu98a, MV88, NP16, TT98, ZS07]}\]. Checkable \[\text{[LQ16]}\]. Checking \[\text{[JR99]}\]. Cheeger \[\text{[BS13, Wal03]}\]. Cheeger-Type \[\text{[Wal03]}\]. Chemical \[\text{[KS15]}\]. Choice \[\text{[MH13a]}\]. Cheoleski \[\text{[BCMM95]}\]. Cheolosky \[\text{[AM09, BOCL97, BK89, Br09, CP98, CH98, DHT01, DH99, DH01, DO50, DK00, DN11, DOV94, GNP94, GSS96, GMRS00, LGWX12, LC05, LN14, Nap13, NR99, RODS15, RJ14, Ste93a, Sun95a, XG10]}\]. Cheolosky-Like \[\text{[RODS15]}\]. Choosing
[Dan93, KO01, MX98]. Circle [Guo98].
Circuit [SWYM96]. Circulant
[AG91a, BBT05, BEBT07, CT99, Cha89, CNP94, CZZ97, CP03c, dMGF14, Huc92, Mat93b, Tyr92].
Circulant-Like [CT99].
Circulants [NSCS10].
Circulative [Che92].
Class [AKP08, Bor10, BG06a, BrD07, GGRVC08, DMS13, DS16, ESR01, EL91, FP98, Fie95, GL06b, HHSW97, LX09, LM90, Lo09, LW94, MSZ03, Pe01, Pil94, YGM09, IM95, PR88, Rum91].
Classes [HMT93, JOvdD03, Kar11a, HS88].
Classical [HPS +11, Tam99]. Classification [GKK99, HPS +11, Pro13].
Classifications [HRS88].
Classified [KNX04]. Close [AD98, HGC00].
Closed [Guo98, RW01].
Closed-Loop [Guo98]. Closure [DK14].
Cluster [SCBG05]. Clustered [HJP03, SD16, Wü05].
Clustering [MW12, OS10, Van08]. CMV [BDG15].
CMV-Based [BDG15]. Co [JN98].
Co-square [JN98]. Coalescing [DP09, DPP13].
Coefficient [Art03, BZ00, SEM13]. Coefficients [AG00, BES15, Bep06, CR10, Eri92, GXX94, Gre99, IS11, JV04, LS95, Mal06, Mat05, Meu17].
Coherence [IW4].
Collection [CCS05]. Collinearity [FB94].
Collocation [DP10, DP15, HHRV99, LHHR95]. Coloring [MSZ15].
Column [DGGX15, DS10, GNP94, GG03, MM00, RSS94, Z01].
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, GDX11, GMN16, KDGG13, WSSL06].
Communication-Avoiding [BBD +14].
Commuation [GP03]. Commutators [BK97, LS10]. commute [Stu88].
Commuting [Per89]. Commuators [CM03].
Comon [ZHQ16]. Compact [VMM15, HK12, KHH04]. Companion
[BDG15, BB98, DDM10, Kit95, Law13].
Comparison [MS02, TMNV10].
Componental [BH93, LW02a].
Complement
[CNW08, ET10, HS95b, LZ05b].
Complementarity [Bai99, CH93c, CHLS00, Gow90, GS94, GS02, HLTI2, Kan96, MP95a, MN97, MPS09, MM00, MPS00, PYHK93, QL99, Ven93, Pan91, WBP99].
Complementation [DV06b, Sen98].
Complements [ABN09, CDG10].
Complete
[DD12, Fie96, Gou91, GDF01, HV97, Tsa98].
Completed [Gut92, Gut94]. Completely [Au00, DS97, LQ16, QXX14, SMBJS13, TVD15].
Completion [Asw16, BJL98, BDR12, CSK95, DS10, Fri02, JR88, Lau00, Niev93, SC10, ZF14, BJS95].
Completions [CD98, Dan93].
Complex
[BLAK91, CHH +15, COV14, CW96, DZ01, GITT96, GWZ05, GZ09, Hig92, HLM94, HV05, JLZ16, JP09, Koh99, LX12, Mar11a, MV07b, RVA05, Tam98, TTT99, VNM14, WD94, YL08, CH88, CM92b, Hon89].
Complex-Symmetric [HV05].
Complexity
[DHY06, KKS97, LH05, PTC13, Xia12].
Complimentarity [CC92]. Component
[RST10, Yan98]. Components [AR93, BLO04, CI95b, JS04, MTV10, Ste08, SD09, Ste12]. Componentwise
[CC09, Dem92, EGTP17, GK93, RK95, Rum97, Rum03b, Rum15, Zha93a].
Compositions [BM01]. Compressed
[HS14, JKN11]. Compressible [BIS12].
Compression [Spe98]. Compressions [FHHJ06, MA99]. Computable
[GI96, Lie00, GI97]. **Computation** [ASVM04, AMMS08, ABM17, AT98, ABF16, AMVW15, BL13, Bar93b, Bar00a, BL94, BL00, BKS08, BMX02, Bez12, BN10, BL91, BRZ06, BHN97, CJL96a, CJL96b, CR16, CDD00, DDV04, Dhi98, DJ00, Ef13, FH10, GL17, GT08, HP09, Hey95, HIW15, HI15, Ian09, IS08, KS17, LC16, LB96, Mai06, Mar91, MR97, Mel04, MG10, Ost10, PLM94, RDC93, SC05, SGX14, Su12, WZ17, Zen16, Fuh88, GBCW89, O’L90, WW08].

**Computational** [DMP96, KBHH13, LPT10, Mei04].

**Computationally** [BN05].

**Computations** [DP15, EKNX93, Gil94, GZ13, Hig93, Koe07, LNP93, LE02, Mat95a, Vog99, WY17, YB91, GS92].

**Compute** [BD98a, GNP94, GO06, HMP94].

**Computed** [Gre97].

**Computers** [BMSV92, NY95].

**Computing** [ABL94, Ain17, AMH09, AH14, B096, Bar02, BF11, BHR10, BGN12, CHZ16, CW96, DH03, DA05, DHV92, ES09, EW13, EM15, EHW10, Fer97, Gen98, GHHW90, GPKX94, GSV00, GL13, GKL14, GOS15, Han03, HY01, Har05, HW98, HO98, HMMT04, JKM11, JMM14, JS94, JN03, JCG14, KL98a, KM11, KM14, KV14, LW97, LP13, LV17, MV08, Mar11b, MOR04, MV17, NGB10, NH12, NS11, NS94, PW90, QS06, QACT13, RI11, RK95, RST01, Sni03, VV10, Wat92b, WD95, WLV06, Xu05, Xue96, Zha17, vDHvdV00].

**comrade** [NP16]. **Con** [HB12].

**Con-Eigenvalue** [HB12].

**Concavity** [Gro98, KN94].

**Concept** [Han94].

**Concerning** [Kir02, Wei95].

**Condensed** [Meh99].

**Condition** [AMH09, AW10, ABC07, AW05, BDMS10, BDM12, BT14, B190, BLP90, BD10, Bor10, BK06, CT93, CD05, CC09, DBW15, DMC13, Dhi98, Dm96, ES05, GI00, GK93, GKLX94, Grc10, GV07, Har05, HH92, HH98, HR14, HQ16, KK06, Kar10, KL89, KL19, Kir02, KPM09, KW94, LX09, Li06, LS11, LW94, LP11, LT94b, Mat95b, Mor12, PP92, RRA05, SST06, SB92, gS00a, Tan94, TT14, Tur97, VT98, ZMW17, Ede88].

**Conditional** [CK00, RR08].

**Conditioned** [MX98, NV02, PAP00, FGS96, Rum91].

**Conditioning** [BG11, Baz00, DP10, DP00, GTP113, HMT06, HIW15, HL03, HN90, J12, L18, L19, Ma16, NN04, RR98, ST08, SD15b, SD90, SL12, VH16, ZWF05, Gd88, OW88].

**Cones** [Pi14, V00].

**configured** [JH88].

**Confluent** [Hig90b, Lu94, Lu95, Lu96, Lu98a, ZZ98b].

**Congruence** [F06, PR91, Hon89].

**Conic** [PJB10, Sec11].

**Conjecture** [BT03, CG15b, JP09, ZH16, FF93].

**Conjugate** [AV91, BM00, BES98, BG06b, CFT16, CGLV11, DFT92, EG00, FAT16, GRT07, GTPT14, GMN16, HS10, KL08, LH05, Saa06, Tre05, YBZC16, Zha10b, GS92].

**Conjugate-Gradient** [CFT16].

**Connection** [BSS13, GKR89].

**Connections** [FN04, MBN17, Sid95, SX11].

**Conquer** [AA94, CK91, FLM12, GE95a, GbbCc03, LGC+14, Sut13, QX08, GE95b].

**Consecutive** [DD99, EG00].

**Conservation** [CG03a].

**Conservative** [OP05].

**Considerations** [DHW92].

**comsimilarity** [CH88].

**Consistency** [Han94, Kn95].

**Consistent** [CPTP09a, FST+13, LWYW14, YGM09].

**Consistently** [Har93].

**Constant** [GHL03].

**Constants** [BT10a, Cro16].

**Constrained** [ALP07, AE97, A092, BN06a, BMO92, Bar98, BBBT06, BB09, BK07, CG10, CH99, DS16, FM93a, FT07, GW92, Gu95, Jam92, KP08, LY03, Mar11a, PSM12, SZ07, SS13, SDA10, WD00, ZHY16, FGS96, GL96].

**Constraint** [Ba05, BNW09, Cao02, Do07, KGW00, Log17, yPWjP12, ZH03].

**Constraint-Style** [Do07].

**Constraints**
[AW00, CG98b, EAS98, GS10a, HS10, See11, VBW98]. Constructed [Cap98].

Constructing [Chu95, DJST05, KU13, LP17].

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].

Contour [YXC +17].

Contour-Integral [YXC +17].

Contractibility [AhS98].

Contraction [BRR00, CG15a].

Contractions [Næv93, JR88].

Contribution [BG11, SC05, WW08].

Control [BB12, BOS16, BM06, DS16, GPM03, HS10, LS95, LT94a, Q506, SCPW12, FF93, GP88].

Corresponding [AT98, GR93, QACT13, QCT15].

Cosine [CDD00].

Cosine-Sine [CDD00].

Cost [RT93].

Counterexample [BTV03, HS00, Kol03].

Counterexamples [JP09].

Counting [DLT15, Fer98].

Counts [GNP94].

Coupled [CH97, DK15, S91a, SD15a, SDD15].

Coupling [DS97, FNV08].

Covariance [BMfY03, BN06a, BKK07, BX05, CS10b, Fuh07, Lu10, RD95, SCA12, Ste91a, VP93, dBG08].

Covariance-Preconditioned [BN06a].

CP [FZ16, ZF14].

CP-Matrix [FZ16, ZF14].

Cramer [DTGVL05].

Cream [SW91].

Criss-Cross [LV17].

Criteria [AM09, ADR92, Ari13, AM05, AB16b, CPTP09b, COV17, EL91, BF89].

Criterion [AH07, FM93b, Li02, SNC02].

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

Cross [LV17, GBCW89].

cross-validation [GBCW89].

Crouzeix [CG15b].

Crystals [HHLW13].

CS [Ste16a, Sut12, Sut13].

Cubature [Sch95b, Xn15].

Cubically [NS09].

Cubes [NS09].

Cycle [Gri88, ADC04].

Cyclic [BG94, Drn10, GH92, Ger92, Guo03, Har07, HMR01, Mar91, Nou96, RT99, SS89].

Cyclically [GV99].
D [Zha95, SYJ00]. D. [Ikr97]. DAE [BL02]. Damped [Lan07, PTC13, Tas15b]. Damper [TV09]. Damping [Tas15a]. Dangling [IS08]. Darcy [FAT16]. Data [AM09, AG91b, AKP08, BKKL91, CGGS98, CGP09, CDLP05, EL97, EGK91, GG11, HJP03, IO16, MMD08, MU13, MW12, RK95, SNC02, Wat01, x96]. Davidson [HP02, HKP05, HN09, Not05, SvdV96, Sta02, SX11, ZS07]. Death [Clai10, DQ02, Gdl108, Guo02, Guo03, HMR01]. Deblurring [BDSC11, BBTK08]. Decay [BES15, BS15, FSZ14, MNT10, Nab99]. decision [LP89]. Decisions [Ste16c]. Decomposability [GDF01, SL94]. Decomposable [DS97, Li91, MHG15]. Decompose [FT16]. Decomposing [BLW15]. Decomposition [AL98a, BB08, BOCL97, Bar02, BDD14, BOS13, BD95, BX08, CS01, CM92a, CG92, CGP06, CL09, CLN12, CFG97, CDD00, CF02, CK00, DDV00a, DDV04, De 06, De 11, DG91a, DD08, DD12, DD13a, DD13b, DD14, DL15, Drm00a, Eir00, Fri05, GL17, G96, dMGF14, Gru06, GO95c, GOS15, GW92, HMP94, Hem95, HMMT04, HMT10, HIW15, HV97, HJJ03, JS94, JN03, JU11, Kap90, KL92, KZ10, Kol03, Kon00, LRA93, LF02b, LS17, MV07b, Mat93c, Mat95b, MV92, MHG17, NMG10, NH12, O’N05, Oovid98, Ose10, PS94, PE95, PP05a, Rei91, Rob16, RS94, Sai16, SST05, SS06, SDC12, SD15b, Ste10a, Ste11a, Ste12, Ste93b, SV00, Sun95b, gS00a, SV15, Suc12, To97, Tum02, Van10, VNM14, WE94, WCW10, Xu05, YB91, YL08, Zha91, Zha93a]. Decomposition [ZH16, vdSBvdV93, AG88b, CS98, CG90, GI97, IM95, WE89]. Decompositions [BES05, BG15, BvdMR+97, BL10, CGCDM13, CD00, CHH+15, CD13, CF02, De 08a, De 08b, DN08, DCM08, DV92a, De 94b, Dem99, Di 00, DE99, DIS15, DMM08, F9B95, Fie96, GP06, HY01, Her90, Her96, Kol01, LC16, LS07, MMD08, MV08, SCPW12, SS91, SD15a, SDD15, SdA10, SL12, Ste16c, ZMK02, ZS94, vdmRR01, Gad88]. Deconvolution [MLV00, PO03, Ya100]. Decoupling [CH06, CMT09, DIS15, KN99, vdWM95]. Decreasing [Pan93]. Dedication [Bru88, GKR09, Mo102]. Deduce [SCBG05]. Defective [Zen16]. Defectivity [BGMN15]. Deferred [vdG93]. Deficient [EG15, Fos03, HS13, Men12, MH15]. Defined [IS11, Kar11a, Tum97]). Define [AfPA07, BGN03, BW95, BJL98, BDR12, BD05, BS16, Cha00, CG98b, DHT01, EG00, GI00, GI00, Grut06, GL10, GHT10, HO94, HMT09, HP02, Hu92, JH02, Joli08, JSG15, KN91, LNTXX1, LNTX13, LS11, Lu98b, MV97, Mat92, Mat97b, Mel04, Moa05, Niel10, NY95, NV02, OR93, Pha01, Ple00, Ren02, VGV09, WZ91, Whi90, XG10, Ye09, ZWF05, Zha17, Zha16b, AG88a, FM88]. Definiteness [CCL09, Roh94]. Definitions [De 08b]. Deflated [AGJ14, CGL11, EGG11, GGLN13, Gut14]. Deflating [BBMX02]. Deflation [BBM02b, Dax08, EN08, KKV07, Kre08, LS96, NAY12, PR12, SEM13, TMN10]. Deflations [MV14]. Deformations [EKK97, GPM03]. Degeneracy [CC92]. Degenerate [CGS01, DSSC11, MM05]. Degree [ADD96, BS90, HM04b, Lie08, Mor94, Mur98, OV99, Cee92]. Delay [DLMT13, MG10, MBN17, Yan93, MJM11]. Delocalization [KMS15]. Demmel [DMC13]. denominator [Nov11]. Dense [CGHR07, For03]. Density [BKS08, LW14]. Departure [Lee95, Lee96]. Dependent [BK15, GMSB12, MMW17, PSW12, SK16, SS17, SdA10, SL12]. Derivation [BL93]. Derivative [AMH09, BMGNN92, CCH98, GL17, Kho99, KLX04, NoF17]. Derivatives [ACL93, AT98, BE03, HL13, HR14, OW95, QACT13, Seb96, Sen06]. Derived [KC94].
Descent [KL08, Pan91]. Described [KLX07]. Description [SZK95]. Described [KLX07]. Description [FV98, Hla08, Pop12, Ste16b]. Descriptions [SZK95]. Descriptor [BGMN92, CT91, CH06, CFL07, CT08, KLX04, Min15, RE13]. Design [BIS12, DK99, GL99, GMS92, Kau06, KB90, RD95, SNC02]. Designs [SZK95]. Descriptor [BGMN92, CT91, CH06, CFL07, CT08, KLX04, Mim15, RE13]. Design [BIS12, DK99, GL99, GMS92, Kau06, KB90, RD95, SNC02]. Designs [KMS01, KMS03, LP13, NW02]. Detecting [GHT09, GHT10]. Detection [BV92, Bom00, DD12, MS10]. Determinant [ASA04, BLdP97, BM01, CT88, FSV14, HKG09, JOvdD03, Reu02, VBW98, MP88]. Determinantal [LZ05b]. Determinants [FH93, IR08, Stu91, MV88, MOvdDW89]. Determines [Par05]. Deterministic [BIS12]. Development [PGVR98]. Diagonal [ALN07, BV90, BOS16, Bor14, CDGS10, CNW08, Chu95, DJST05, DK99, DK01, GGV05, Gre92, Har05, Hig97, KB93, SCPW12, Tho94, Tis04, Wal95, ZFW07, HD97, HRS88, MV88]. Diagonal-Plus-Semiseparable [Har05]. Diagonalisation [Bin90]. Diagonalizable [FJ06, LM06b]. Diagonalization [Asf08, BGBM93, CSX15, CL17, CS96a, Dav08, De 06, DK15, Joh08, MM11, Pha01]. Diagonally [BS96, Dan91]. Diagonally [CE02, DDD14a, DDD14b, For96, Hu92, Li02, LZ05b, Mat09, NV94, SWYM96, Sle09, ST14, Ye09]. Diagonals [HHC03]. Dichotomy [MS97]. Difference [Bor03, GKK99, GT99, MT15, SCA12]. Differented [VP93]. Differences [AMPV97, CP03b, CT93, SvdVM00, Zha00]. Different [YL16, Whi89]. Differentiable [LS01]. Differential [BGMM15, DLMT13, Ek17, Gre92, HHRV99, KM06, Moa05, RE13, Zh12, JN98]. Differential-Algebraic [DLMT13, Ek17, KM96]. Differentiating [GPTI14]. Diffusion [BWQ06, BGSC07, Ern00, ILSN17, RP10, de 92]. Digital [SWYM96, DB88]. Digraph [Sev03]. Digraphs [AB16b, MOvdDW89]. Distributions [GCL16, MA99]. Dimension [HJP03, Ost10]. Dimensional [BvdMR+97, CHIH+15, GV99, Gre99, 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 [gWeWL12]. Disc [LZ05b]. Discrepancy [CS10b]. Discrete [ASA04, BF06, BF93, Bor03, BD95, CF02, CFL07, CZ03, Cor93, DL17a, For03, Guo98, HHLW13, JLS01, JOAk10, KO05, KH13, KLX04, Kuz15, LF02a, LG02, Lin11, Mas16, RT93, Sun04, TCTM00, Tur97, Van08, ZZZ04, LP89, Meh88]. Discrete-Time [CFL07, Cor93, JOAK10, KLX04, LF02a, LG02, Mas16, Sun04, TCTM00, BF06]. Discrete-Trigonometric-Transform [KO05]. Discretization [DGMR00]. Discretizations [Beb06, Ern00]. Discretized [CDGS10]. Discriminant [CGH11, PP05a, PP05b, ZLN10]. Disjunct [CdS90]. Disk [Baz00]. Displacement [BT17, BJMS17, BD95, CK91, CLG93, CSK95, Di 00, KC94, KO05, Pan93, PW03, RD95, DS95, GKR89]. Dissection [BV90, BHL+93, BT02, GTW00, HR95, SV93, Ten97]. Dissipation [MM16]. Distance [AKL+11, Bar00b, BS16, BLO04, Dem92, DLT15, Fio11, GHHW90, 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 [Far16]. Distributed [ADLK01, ADV05, IO16, KP92, Vog99]. Distribution [AW10, AW05, BF11, DQ02, DD10, DK08a, GN03, Har99, Mey94, WA07, ZZTA02].

E-optimal [NW02]. Early [BBM02b, KK07, Kre08, NAY12]. Easily [LQ16]. Eckart [VNVYM14, Kol03, Lin11]. Edge [AB16b]. Effect [CH93b, IW14, Kre08]. Effective [BM99, BW99, COV17, LRN06, Mar91, Tan99, XX17]. Effects [SvdVM00]. Efficient [Bar98, BMSV92, BN05, CGS98, CGGS99, Cha00, CH97, DW06, Day97, DK05, EMC17, FGS14b, GL03, GNP94, GE94, Gu98c, GOS15, LHC16, LGWX12, RG05, RDC93, SY100, SX09, TV09, TETAO5]. Efficiently [EM15]. Ehrlich [BGT05b]. Eidson [HN90]. Eigendecomposition [HHLW13]. Eigendecompositions [AB05, DK06]. Eigenpair [WZ17]. Eigenpairs [CE94, Eff13, KM11, KM14, HL06]. Eigenpolynomials [Men99]. Eigenproblem [Bai05, BJ16, CD15, DHT01, DMM03, GE94, GGBCC03, HB94, RBB90, gS96, GE95b]. Eigenproblems [Anc91, GLS94, GL05, Gui99, HLT08, Jia95, SK16, Ste01, Ste02, Tas15a, ZS07]. Eigensolver [BDG15, HHLW13, TP14, XDC14, YXC+17]. Eigensolvers [KN09, NZ16, Tis01b]. Eigenspace [Li98b, NS94, XK94]. Eigenspaces [CZ03]. Eigenstructure [CKL04, Mm00, NK01, TDV15]. Eigensystem [Mat95a]. Eigensystems [LS07]. Eigenvalue [AA94, Aho11, AHS00, AD98, AL95, BDF99, BS05, BL12, BL13, Bar93a, VMM15, BF00, BMS06, Bet09, BT10b, BB98, BH13, BD90, BGT05b, BEG07, BBGF00, Bol90, Bor10, BKMS14, BKMS15, BEG05, BGBM92, BW93, Cha00, CPZ11, CKL04, CG06, CKP11, DBW15, DW06, DG91c, DD10, DLM04, DW15, DD14, DYY16, DK08a, Eff13, EGGR99, EW13, Emb09, Fri92, GH99, GITT96, GT17, GK06, GT02, GR93, Gr96, GKL97, GKT09, GL10, GZ13, HB12, HH98, HP02, HKP05, HGL05, HLQ09, Isp06, Isp09, IM16, JKM11, JMM14, Ji92, JS04, JLS01, KKT06, Kar10, KMM14, Kau93, Kau06, Kir92, Kni04, KW92, KX07, LZ14, LX09, LC15a, LSV16, Li98a, LNTX11, LNTX13, LM03, LKK97, LE02, MV97, Mac95, MMM06a, MV17, Mat98, Mee09, Mel04, MBN17, Miy14]. Eigenvalue
[MMH94, NOZ11, NQZ10, Ors06, PM06, Ple00, Ple06, QACT13, Q CCT17, RSS09, RW01, Saa16, Sec11, SCBG05, SHY10, Sid95, SvdV96, SY98, SW94, SB11, Tis01a, TH01, Tis03, Tro90, VG V09, Voo12, VYH11, W95, WE91, Wat93, WE94, WS00, fX96, Xue96, XE12, YGM09, YBZC16, ZS14, Zen16, Z98a, ZWF05, Zha10a, ZXL14, ZBJ15, ZZTA02, All89, GIMT95, Ove88, San88, Tre88a, Tre89].

Eigenvalues [AS93, AAB10, ACL93, AT98, Axe92, BNS13, BS96, BGH07, BS16, Cao09, CFJKS13, CHZ16, Chu95, wC03, CZ03, CGS94, CDN14, CW96, DGMR00, DPP13, DH97, DK08b, Ede88, EI98, Elm97, EW13, EM15, FL02, Far16, Fer98, FG94, GN03, GM00, Guo98, HO94, Har99, HDT10, HC15, HL02, IN09, JH02, KKM14, Koe05, KPM09, KW94, Kui00, LNV92, LGC08, LPS08, LY91, Mal06, MR97, MS10, Mel99, Mel04, MYK14, MBN17, MBO97, Naja98, NQB14, NS09, NST15, OW92, OW95, Pen01, Pen05, Pes14, QACT13, QCT15, QCT16, RS96, Ra90, Rap91, RVA05, Ri11, Rohl93, SHJ09, SM16, Ste91b, Tru06, Wal03, Wat00, Wil08, Ye99, Zha05, vDhvD00, Auc89, HM89, Sun89].

Eigenvector [Del97, EGGR99, Fer97, GR93, Gru06, Har98, JS04, Lat95b, Mat97a, Men99, PDF16, Stu89].

Eigenvector-Eigenvalue [EGGR99].

Eigenvectors [AMS07, ACL93, AT98, BdTD11, DP04, JK05b, Kuz15, Mor95, Pes14, Pow88, QACT13, QCT15, PSL09].

Either [Ito96].

Eitherwise [ABN09].

Elimination [AZB98, BDD13, BS09, CH99, DGL99, EL05, EL08, Fos94, Gar09, GP93, GT04, GL93, GG03, Gov91, Gov91a, GGC09, HP99, Hig90a, Ku13, Liu90, QXX14, TS90, YC97, HH89].

Ellipsoid [CG10, SCPW12].

Ellipsoid-Constrained [CG10].

Ellipsoids [DN11].

Elliptic [ACST09, Be06, CDGS10, Gre92, GV99, Gre99, HHRV99, MS97, PS04, KCT09].

Elliptical [LT89].

Elman [BG05a].

Embedded [Bry17].

Embedding [QCT17, BV88].

Embeddings [BGH07, GM00].

EMS [Lat95a].

Enclosure [Miy14].

Enclosures [DN11].

Endpoint [Bry17].

Enhanced [EEK99, RCH08].

Enhancing [AB16b].

Enlarged [GMN16].

Ensemble [KMN11, JJ88].

Entanglement [NQB14].

Entries [Chu95, DK09, DK01, Har99, Zha05, JDoDa99].

Entropy [BW95, Le96].

Entrywise [TVW15].

Envelope [GP97].

Environment [DG91b, DG91c].

Episodic [HN97].

Epsilon [SS91, ZS94].

Equality [CH99, FM93a, GS10, HS88, So92, Zha04].

Equality-Constrained [FM93a].

Equation [AGL98, BGSC07, BM96, BIP08, Bor03, Che01b, DL92, FP17, Guo1a, GH07b, GIM08, GKL12, HK01, Ho90, Kag94, KB90, KO15, LS10, Li99, LBL05, LG02, LB02, Lu05, MOR16, MX09, MP11, OL99, yPWjP12, SC03, Sta02, Sun04, TV99, Tsz93, Wim92, XZC99, de92, BHH88, BC88, KP92, Ozg91, Sch95a, Ts94].

Equations [BWQ06, BD05, BK95, BT92, Bra98, BGMN15, C95b, CS98, CG03b, CG08, Che01a, CHH95, CCG09, CFL07, CH97, C910, CR10, DTGV05, DK15, DSSC11, DLMT13, EGT17, ESR01, EK17, Ern00, FAT16, FHS09, Gar90, GKK99, GH07a, GV99, Gre99, Gu98c, Guo98, GL00b, GL00a, Guo1b, HHRV99, Han94, HS95a, HP92b, HM97, HO92, Joo92, JL98, JOAKt10, KP99, LHHV95, LW02b, LwCKL13, Lim07, LX06, ILNS17, LX12, LY91, MT15, Mor00, Neu00, PR12, Pop15, RW94, RRR06, RDC93, Roh03, RP10, Sch95b, SS13, SW11, Sim16, SS17, CS98b, VV10, Vav92, gWCW12, Wri95, XCG10, ZHZ05, von93, BMO92, GL96, Wim88b].

Equilibria [WSSL06].
Equilibrium [BL02, DD10, DK08a, Mar91, PW90, Vav94].

Equivalence [HLT91, HLM94, Tho94, HRS88].

Equivalences [GPTPV16]. Equivalent [Kni00, WE89].

Ergodicity [AG00, Art03, Ger92, IS11].

Erratum [Ano11, CH93a, CRS01, EDK16, HC89b, JOvdD04, LNTX13, PU14]. Error [Art00, AB01, Bar93a, Bar93b, BEBT07, Bor10, BCW12, CP03a, CH93b, CL09, DH93, DMR09, DMM08, EGTP17, EMC17, FKL13, Gow96, GJTP12, Gu15, HL08, Hig90a, HH92, HH98, HL708, JR13, JTP10, KA10, KMN11, LW02a, LC15a, LVV16, LPT10, MM11, Mas16, PP05b, RBB90, RJ14, Ste05, Ste06, gS00a, Van10, Var94, WY17, ZS02, ZK17, ADD89, CM89, CM90, Tsa94, VV89].

Error-Controlled [MM11].

Errors [AA09, BKMS14, BKMS15, CGGS99, CGSS01]. Errors-in-Variables [CGGS99, CGSS01].

ESPRIT [Par94]. Essentially [SGX14].

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

Estimates [AL95, BKK07, Bol90, DMR09, FKL13, Gru06, GKL95, GKL97, Kni04, LW02a, Lat95a, SHY10, Var94, Zul11, KL89].

Estimating [Bol90, Del97, Gre97, Gu00, GMO+06, JTP10, KW92, LC15b, SW97, TV90].

Estimation [AMH09, BEBT07, Bis90, BLP90, BKK07, CS01, CGGS98, HL08, HT00, KLR98, LX09, Mat95b, Men08, Par94, PP92, SB92, SES95, Tan94, UCS17, Wo93a, XK94, YLA97, Pea88].

Estimators [TT14, KP92]. Euclidean [BJ95, Bry17, DS17, Drm00b, GHHW90, HN98, Lau00, Par99, QL13]. Euler [BL91].

Evaluating [GTJ13, Hig01, MP88].

evaluation [BN88]. Even [Mel01, Mel04].

Even-Odd [Mel01]. Events [EHW10].

Eventually [JS07]. Every [Ito96].

Evolution [Tre90]. Evolving [DL03, FH17, Saa16].

Exact [AW10, BGT14, Emb09, GK15, GGC09, HK01, HI15, OSS14, RK95, ZLY02].

Exactness [Sch05]. Exchanges [Wat98].

Exclusion [HL02, Pe105, SHJ09].

Executed [MS15]. Existence [BB95, FMX02, HQ16, Lat95a, ZWP05, Gad88].

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

Expansion-Contraction [BRR00].

Expansions [DM05, HR93, HKG09, SM14].

Expectation [Fuh97]. Expectation-Maximization [Fuh97].

Expected [EHW10]. Experimental [LP13].

Explained [EM00]. Explanatory [CH93b].

Explicit [KK12, Kuz15, MX09, MBN17, Pop12, ST01, Ste91a, Wel11, Win92].

Exploitation [HKBM08].

Exploring [EL92].

Extension [BB96, BvdMR97, Bom00, Jia01, Ko03, Pia11, Tre90, Zhe96, Zhe98].

Extensions [HN90, JMWF96, Bar98].

External [SZK95].

Extrema [Nie10].

Extremal [GZ09, GL13, GKL14, HLW94, KW94, TL06, Wim88a, Zha05, HPR89].

Extremality [GWZ05, JP09].

Extreme [BGN12, DK08b, LC15b, LT94a, Mel99, Nie10, vDHdvV00]. Eye [LM06a].

Facial [LP96]. Factor [BHR10, CS10b, DD13a, DT11, Gen98, GGL14, Li95, NNF14, SDC14, SdA10, Wat92a, BK89, Zab89].

Factored [BS02a, BS02b].

Factoring [CB90, Gil13, JP94]. Factorisations [CI94].

Factorization [AP02, Ari00, AL95,
BBD$^+$14, BF11, BFm03, Bé09, BHP03, BMMT10, CRKU08, CPS97, CH98, CLe00, DDe14a, DD97, DH99, DH01, DH05, DGX15, DGSw06, DOV94, DT11, EL92, FP16, GP93, GH91, GTO4, GTW00, GN94, GSS96, GO95, GK15, GMRS00, GDX11, Gu95, Guo01b, Gup02, HT17, HY01, HJOvdD93, IUM14, JMM14, JOvdD01, JOvdD04, JP99, KDGG13, KP08, LRRN06, LGWX12, Liu90, LN14, MV96, NR99, NV99, OgI10, PK93, PK94, PM06, PW14b, PL97, QXX14, RR94, RODS15, SYJ00, SV97, SV05, VP93, Wo93, WT11, XCC14, XG10, XX17, XQ08, Za01, ZFW07, BBDS95, CH88, DY90, Liu88, Naz89].

Factorizations
[ANT09, Bez12, BCMM95, CS10a, CMPX03, CK12, DK00, DN11, DM05, EMC17, rFO06, Fos03, LC05, MMT05, MW01, Nap13, Ogi10, RJ14, STvD17, SMBJS13, SB92, Ste93a, WL12, CF89, JOvdD89, Wri97].

Factorized
[KY93].

Factors
[GL93, dMGF14, LS03, Li05, LB96, PR01, SST06, Wo93, ZZS02, ZZS04, HH89].

Fail
[Emb09, Fos94].

Failures
[EM00].

Falk
[SH91a].

Families
[GWZ05, GZ09, Mai99].

Fan
[FHLS13, LM98b].

Far
[Rum15].

Farenick
[Ikr97].

Fast
[AP94, AMVW15, BB08, BDSC11, BS12, BES15, BBD$^+$16, BOCL97, BBTK08, BL94, BEG$^+$09, BEGG07, BIP08, BK95, CS98, CG03b, CDG$^+$05, CGP06, CDG$^+$07, Di09, DV08e, DV08d, GR17a, GS03, Gu98b, GMO$^+$06, GO11, GGO11, GB01, HD12, HP90, HR00, HR04, HG14, HLQ09, HHLW13, KS17, LQ09, Law3, LHC16, Lu94, Lu95, Mar11b, MLV00, MT10v, Miiy14, Mon11, NRT92a, NPO2, OSt09, PK93, PK94, PP92, RE91, Rod06, STvDD17, SB03, Ten97, UCS17, VS14, VP93, XCC14, XCC15, XK94, XE12, YXC$^+$17, ZFW07, ZLN10, ZZ98b].

Faster
[AB13, ACW17, BJMS17, Not05].

FastMap
[Ost10].

Fat
[HHC03].

BBGL92].

Fausett
[Zha95].

Feasibility
[AM09, CE02, FM93b].

FEAST
[TP14].

Features
[NSC10].

Feedback
[BBGN92, CCH98, CMT09, KLM04, RE13, Yan93, Zab89].

FEM
[GSC15, KA10].

Fenchel
[Zha10b]. Few
[EW13, LC15b, STT17].

Fiber
[Kau06].

Fiedler
[BDTD11, DDM10, NP16].

Fiedler-comrade
[NP16].

Field
[LWWY14, RW01, YGM09].

Fields
[Fay95].

Fike
[wC03].

Fill
[BFM03, HP09, ZFW07].

Fill-In
[BFM03].

Filter
[CMPX03, GR07, GW00, HM04a, KMN11, SCA12, DB88].

Filtered
[BBK08, Saa06].

Filtering
[ET10, MBM08, dKV10, KCT90].

Filters
[Sor92].

Finding
[BBTT06, BBK08, Bor14, CG15a, DYY16, Fei94, GPS09, GZ09, LNP93, LGL16, NQZ10, OW96, Pi94, SD12].

Finer
[ZZTA02].

Finite
[ACST09, BF11, BLW15, Beb06, BHK11, BvdMR$^+$97, CP03b, CD15, CTY3, DJS05, GIKT95, HK95, LF02a, PP11, RW94, R05, RP10, ST08, SII03, Ten97, GS92].

Finite-Dimensional
[BvdMR$^+$97].

Finite-Element
[ACST09, ST08].

Finite-Precision
[PP11].

Finite-state
[BHKR11].

Finitely
[G96, GB7].

Finiteness
[BT03].

First
[DA05, DIS15, Hem95, KN99, Lu10, SM16, dBG08].

First-Order
[DIS15, Hem95, Lu10, dBG08].

Fischer
[Zha04].

Fisher
[BBV07, LH05, VJ07].

Fitting
[EGK91, SCPW12, Wat01, GBCW89].

Five
[MV88, TS99].

Five-diagonal
[MV88].

Five-Point
[T99].

Fixed
[BS10, DD08, HNT99, Zab91].

Fixing
[Hel00].

Fletcher
[YBZC16].

Flexible
[CGLV11].

Floating
[DJ00, JR13, LST91, RM91].

Floating-Point
[DJ00, JR13, LST91].

FLOPs
[LN14].

Flow
[AL98a, BL02, KN09, Lag91].

Flows
[DRTW91, KLS16, LX12, Mat05, WE90, WE89].

Fluid
[CGS94, LX12].

Focused
ZH05, ZLN10, CJL96a, GBCW89, VV89]. Generalizing [DTGVL05]. Generate [JOvdD03]. Generated [IZ04, Tre88a]. Generating [AKP08, Ser96, vdMS05]. Generators [Pil94]. Generic [CO12, COV14, Cho10, DD08, DD16, DL15, Ste08, SD09, YNVMI4, WC14, IM95]. Geodesics [Bry17]. Geometric [AFPA07, BD93, BS10, CR16, CF00, DQ02, DL02, EEK97, EEK99, JK95b, KN09, Lim13, Mos05, MLR9, NQ14]. Geometry [BDD13, BF06, EAS98, QC16]. Give [Nie10]. Given [BHH08, CPTP09a, HP09, Næv93, Pen95, Whi00, X96, 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 [AG14, BM05, BGT05a, BR08, BW97, CG15b, ES12, FLT13, GPS96, HY10, JRG09, Kn00, Lie00, LS04, Meu11, Meu17, Mor95, Mor00, MH15, NRT92b, PRS06, RY05, SEM13, TM12, Tol97]. GMRES-Equivalent [Kn00]. Goal [BvdG11]. Goal-Oriented [BvdG11]. Golub [AG91a]. Golden [Lim07]. Golub [Ari13, HPS15, Mo92]. Good [MMM06a]. Google [WW08, LM06a, SC05, WI09]. Graded [Li05]. Gradient [AV91, BM00, BES98, BG06b, CFT16, DFT92, EG00, FAT16, GRT07, GMN16, HS10, KL08, KN09, LH05, MMH94, NOZ11, YBZ16, GS92]. Gradients [CG03a, GTPT14]. Gram [PR06, BP92, Di09, GGL04, GMRS00, HII15, Ste05]. Graph [AR93, AL98a, BSS13, BGH+06, BHI+08, Bor09, FT14, FY98, FC01, GPS90, GMS90, GM00, KA07, MP12, PV17, Van08, dF05, vdWM95]. Graph-Theoretic [vdWM95]. Graphs [BJL98, Fei00, FT16, GTJ13, KN99, Lew91, Pen98, PSL90, Pow88]. Grassman [Mac99]. Grassmann [CDH12, ES09, LE02, QZL05]. Greedy [ABM+17, CB00, MHHG17, NR99]. Green [HK08, Na01]. Greville [ZZLY92]. Grid [DTF92, PV17]. Grids [BHL+93, RW94]. Gröbner [BDD14]. Ground [Bar08]. Ground-Based [Bar08]. Group [BT06, DS17, DJ09, Gdlli08, Jia89, Kir95, KNS97, KN98, Lew96, Moa02]. Groups [DL03, HMMT04, HMMT05]. Growth [BZ98, DT11, Gou91, KNS04, KMS01, KMS03, Ran07, SST06, HH89]. Growth-Factor [DT11]. GSVD [WXZ16]. GTH [OW96, Sen98]. Guarantee [FM93b]. Guarantees [WCCL16]. guide [AdHN88]. Guyan [BB96]. Gypsy [GY92]. Hadamard [BZ07, BG13, CDF94, DMS09, DMS12, FM88, GG02, HM90, MS91, Mat93b, MP98, Sen06, WZ95, Zha97, ZY93]. Hall [BS94b]. Halley [NBG10]. Hamilton [Mac95]. Hamiltonian [ABK+11, JL98, KMP01, Kre05, LW97, MMS16, PLM94, Tis01b, ZHZ05, vdMRR01]. Hamiltonian-like [JL98]. Hamiltonian/ Hamiltonian [BBM02, Mhe99]. Hand [GRT07, HPS13, HS16, KS92, MB10]. Hankel [Bez12, CM93, FPST13, GP03, HH93, HR04, PK94]. Hard [GG11, H010, RK95]. Harmonic [Wu17]. Hartley [BF93, HR00]. Hartwig [BV07, LH05, VJ07]. Having [CMPX03, Har99]. Heisenberg [CRR93, Per88]. Helmholtz [OL99]. her [GKRV90]. Hermite [ASA04, BFZ07, CIL96a, CIL96b, Kuz15, LHHR95, Per88]. Hermite-type [Kuz15]. Hermitian [LNTX13, AGG88, AKPP08, Ash01, BDY99, BGN03, Ben09, BS15, Bin90, BLAK91, BKMS14, BS16, BDF17, Cao00b, CE12, Cha89, CPS00, Chu95, DJST05, DPP13, DH97, ENV92, ESS+12, FNS08, Gro97, GHT10, HD97, HBW90a, HBW90b, Hon89, Huh02, IN09, JS04, Joh08, LT89, LM06b, LNTX11, MV97, Mat92, Mat98, Meh04,
MMW17, MYK14, MT00, Nic10, Pai10, PK93, Pha01, PR88, PR91, RS09, RP10, Ser96, SB04, SK16, Ste91b, SH93, Tis93, Tre94, Tru06, WZ95, Win06, Yas03, YXC+17, ZZ98a, ZHZ05, dF05].

Hermitian-Generalized [ZHZ05].

Hessenberg [BEG+09, BEGG07, BGH95, DV07, GL03, GR17a, Kn04, PP11, Ste06, Stu91].

Hessian [Mön11].

Heuristic [GK15, Sal88].

Heuristics [AR93, NR99].

Hidden [MN97, ML89].

Hierarchical [EZ95, Gra10, Le 06, LRSV13, QXX14, XX16, Xia12].

Hierarchically [CGP06, HG14, LHC16, Mar11b].

Hierarchies [DK14]. High [DMM03, HLW94, ZG01, JP94].

High-performance [JP94]. Higher [BE03, CG03a, DDV00b, De 08a, De 08b, DN08, DSD17, GLPS11, HR14, IAVD11, KR02, Men08, Sai16, SQ13, VQA10, Zab89].

Higher-Order [CG03a, DDV00b, De 08a, De 08b, DN08, DSD17, IAVD11, KR02, VQA10, Zab89].


Homotopies [WPB98]. Homotopy [CHZ16, CLS88, DYY16, LKK97]. Hopf [Guo01b, MS10]. Horizon [OS09].

Hotopixx [Gil13]. Householder [CB00, DBCW98, RS98]. HSS [CDG+07, LGWX12]. Hybrid [Cav94, GRT07, HO94, NRT92b].

Hyperbolic [AH16, BHP03, CB90, DS17, GHT09, Par05, Ple06, RS88, SS88, SV05, PS88]. hypercube [CG90]. Hyperrectangles [Mön11].

Ice [SW91]. Ideal [Toh97, Özg91]. Idempotent [Lew91, Pat00].

Identifiability [CO12, COV14, COV17, 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 08b, DG91c, DD13b, DV08d, EKK99, Gut94, Ito96, KMS03, LLZ09, Li98b, Mur93, Rumi03b, SDD15, YY11, ZZ98a]. III [DN08].

Ill-Conditioned [NV02, PAP00, FGS96, Rumi91]. Ill-Posed [BGT14, ES12, Kil99, KO01, NV02, PAP00, dSL08, DK88, FGS96, Rumi91].

Ill-Posedness [dSL08]. ILU [BW99]. ILUs [BS02b]. ILUT [SZ99]. Image [BBTK08, NNP04, RHE14, ZGP10]. Images [CR96]. Imaginary [MS10, Sch95a]. Imaging [BN06a, HKBM08, KBBH13]. Immanant [CL99]. Immitance [BLAK91]. Immitance-Type [BLAK91]. Implementation [DW06, Day97, GMS92]. Implementations [Bér09, Fuh07].

Implications [LT97]. Implicit [DGSW06, DSSC11, FSV14, Jam92, MT15, MP91, Sor92, SZK95]. Implicit-Factorization [DGSW06]. Implicitly [BF00, JK97, IJN03, LS96, Lek01, Mor00, XE12]. Imply [EI98]. Improve [Swe93]. Improved [BT10a, BV90, BG13, BMM10, DH93, For03, GHT10, Guo02, HL13, JR13, Nab00, RJ14, SST05, SL12, Ste03]. Improvement [AL98a, LZ97, OS09, ZY93]. Improving [BBD+16, CD14].

Incremental [BRR00, HL02, NW98, Peñ05, SH09].

Incomplete [AL95, BCMM95, BMM10, DK00, HHL17, LON06, LS06, NAP13, WT11, XX17, Zha01, ZW07]. Incremental [BS90, BLP90, CT93, IO16, TT14].

Indefinite [AGL98, BWN09, BBD+14, BHP03, BvdMR+97, Cao02, CGS98, CH98, Cle00, DP05, DP07, GMP592, GS10b, HS14, IT06, JP93, KG110, Meh04, RT93, RS02, RODS15, SZ07, SvDM00, Tis04, Zha01].
CH92, CH93a, JP94, Liu88. **Independence** [Ste10a, Wan98b]. **Index** [BCN95, CC92, Kra95, KH13, RR08]. **Indexing** [YS14, ZZ99]. **Indices** [BFZ07, DDM10, DS10]. **INDSCAL** [DL15]. **Induced** [Bea01, GL05, SQ13]. **Induction** [BCN95, CC92, Kra95, KH13, RR08]. **Inductive** [PS94]. **Inequalities** [AJRS13, Auj00, BSvdD95, Ber88, BK97, CL99, Dri06, GHR95, HLS97, Li91, LM02, Mat92, MP98, Pop15, Tam99, TFL11, WZ95, YL00, Zha97, Zha99, Zha04, ZQ10, CT88, GP88]. **Inequality** [BSS13, BS94a, CHW10, FGM91, HS90, Loe90, TU91, PR88]. **Inertia** [BS91, BS94a, CHW10, FGM91, HS90, Loe90, TU91, PR88]. **Inertia-Controlling** [FGM91]. **Inertia-Preserving** [BS91, BS94a]. **Inertial** [Wim06]. **Inertias** [CD98, Dan93]. **Inexact** [AGJ14, BMS06, BF05, FHS09, GTI11, JR99, LM98a, LZ10, Not03, RSS09, SX11, XE10, XE12, vdES04]. **Infinite** [GLP01, GP04, JMM14, KMS01, KMS03, Mae98, OS09, Wat00, vdMS05]. **Infinite-Horizon** [OS09]. **Infinity** [BET02]. **Inflation** [Stu88]. **Inherited** [JOvdD89]. **Inner** [AV91, CGLV11, HN09, JR13, MH13b, MH15, Rod05, SX11, Wan98b, ZHY16, CF89]. **Inner-Iteration** [MH13b, MH15], **inner-outer** [CF89]. **Input** [AD98, BMU94, MX98, Mim15, HJ89, Mee88]. **input-output** [HJ89]. **Input/Bounded** [Cor93]. **Inputs** [BOS16]. **Instability** [HW98, HO98, PL93]. **Instances** [Lau00]. **Integer** [CG10, Lin1]. **Integral** [Che01a, HK08, LY91, Vav92, YXC+17]. **Integration** [DL02]. **Integrators** [GG14, Nov11]. **interaction** [GBCW89]. **Interface** [CM92a, GL99]. **Interior** [CH93c, FS01, LV10, LP13, Mes08, Wri95, FG896, Wri97]. **Interior-Point** [LV10, Wri95, Wri97]. **Interlacing** [BO96, HP92a, HS95b, Tam99, dF05]. **Interleaved** [LRN06]. **Interpolants** [BL00, Law13, LC15a]. **Interpolation** [AT07, BB12, DSZ14, FG15, GVV04, JSG15, MV97, VZ06, MH95]. **Interpolation-Based** [BB12]. **Interpolatory** [Sai16]. **Interpretation** [FF98]. **Intersection** [BW95]. **Interval** [AM95, AM09, AM05, FM93b, Gar90, Gar90, GP04, HDT10, JR99, LF02a, Neu00, Pop15, RR98, Roh93, Roh94, RK95, RR96, Roh03, Zha05]. **Intervals** [HS09, Pein05, SHJ09]. **Introduction** [MG92, NP99]. **Invariance** [DDL14, Lew96]. **Invariant** [ASVM04, AYPP08, BD08a, BER04, BKS08, BT10b, BHM97, BK06, DHH92, DLT15, DLM14, FPM02, GS03, GP16, HM90, KK14, Kre05, Mly14, PLM94, QZL05, RR08, Rod05, VF00, VJ07, WLB05, Zab89, Zha99, dSV01, LT89]. **Invariants** [AJRS13]. **Inversion** [AH16, AHS00, Bao05, Beb06, BMS06, BS02a, BW93, CCS05, CGVRc08, Che01a, CG98a, CMO4, CC17, DBW15, DMS09, DMS12, DMS13, DLM04, EW13, FF99, FZL14, Fri92, FHS*94, GG02, GN13, GIT196, Gov91b, GT111, Gre05, GLH03, GH06, HLW05, JS07, KM16, Kau92, KK12, KosvdD07, Kir95, KN97, KN98, Kni04, KN91, KLM07, Lan07, L14, LGL16, LM03, Lu10, MMS94, MSZ03, MH13a, MS10, Men92, NV94, Nab99, Ogi10, Ors06, PDF16, Pat00, RSS09, RW01, ST01, SW98, Tan99, TW00, Vec03, WijBo11, Wan98b, Wei96, WLB05, X96, XSW10, YBZ16, ZF05, vD99, FM88, KY93]. **Inverses** [BM05, BM02, BS02a, CLG93, Djo08, ES08, Ejt92, H993, HR00, KM06, MNST96, SHS03, LP89]. **Inversion** [AKH01, BLNT13, BC10, CM93, GR17b, HH94, PK93, PK94, WP03, RS92, Ste91a, XXCB15, ZS98b, CJL96a, DV06a]. **Invert** [FS10, HL06]. **Invertible** [WC10]. **Inverting** [FP16]. **Involuntary** [IZ04]. **Involving** [Ain17, AG91a, FF94, SD12, ZZ98b, Zha95].
Irreducible [Art96, FGJ00, FG94, GR89, Kir95, LGL16].
Irregular [GLS12, RW94]. Isometric [BvdMR+97].
Isometry [BT10a]. Isotropic [Kre05].
Isotypic [MOR04]. Issue [DCM08, IPS06, IPS09].
Issues [Ari00, Mei04, Més08, SV97].
Iteration [Ben09, BMS06, BX08, Dan91, ESR01, EW13, Emb99, KZ10, KO14, LS96, Leh01, LWWW14, LGL16, Lu05, MOR04, MOR16, MS10, MP11, MH13b, MI15, NBG10, Not03, Nou06, RSS09, RS08, Saa16, SvdV96, SY08, SX11, TP14, YE10, YGM09, YLA97, ZHY16, de 92, AdHN88, BF89, Lag91, San88].
Iterations [ASVM04, AV91, BKS08, Bor09, BPS05, CNP94, HMMT05, HN09, Ian99, IKSG10, NS07, NRT92a, NH12, NOZ11, STT17, ZZS04].
Iterative [AH07, ADR92, AG00, BN06a, BN06b, BGS07, BV01, CR96, Cao00, Cao08, C02, CPT09, CG96, DHT01, DGSW06, ET10, EL91, FS10, FNS08, GL12, GL17, GR15, GV09, GRK17, GL00b, Guo01, GH07b, HHRV99, HLT12, Han94, HO92, HV05, HZ01, Jam92, KL19, KS99, KOO1, LHH95, LWXZ06, Li02, MG92, MS02, MR97, NP02, NY95, OL99, PAP00, Pan91, RW92, SWZ11, Tis01a, Wei95, Woz93, XE10, dKV10, AdHN88, BY88].
Jacobi-Jordan [WW08, BFZ07, MMT08, MV17, MBO97, MD03, SC05, Ste13, Wel11].
Kawasaki [FP17]. Kernel [ACW17, BWQ06, MT10, PP05a, SB95].
Kinematic [GKK99]. Kinematics [DS17].
KKT [FJ97, IKSG10]. Kleinman [FHS09].
Knopp [Kni08]. Known [AD02].
Kohn [LWWW14, Kreiss [TT99], Kronecker [BT13, HCS9b, Zha95, Bar98, BCS1, BS15, BT12, DD07, DD08, FK94, FG90, aIGP98, Gre05, HL17, HCS9a, IT11, KN00, MV07a, NN04, RHE14, SB03, de 90].
Krupnik [Ikr97]. Krylov [Ste02, BER04, VMM15, BG15, BR05, BF05, CTF16, DMR09, DK98, DSS14, ESS+12, EN08, Ern00, FGS1a4, GGLN13, GG14, GOR14, GT11, GPTPV16, GMN16, GS00b, Gut14, HS95a, JK97, KO15, KJH16, KT10b, KT11, LM98a, LY03, MMJ11, MH13b, NZ16, RS02, Saa97, SS13, Saa95, Sim00, Sim16, SvdVM00, Ste01, WY17, ZHL1, vDES04].
Krylov-Based [MJM11].
Krylov-Subspace [CTF16].
Kublanovskaya [GKR90]. Ky [FHLS13, LM98b].
J [An01, CH93a, GI97, HCS9b, WW08, Zha95, Ikr97].
Jacobian [CS96a, DV92b, Drm96, DV08c, DV08d, Drm10, DK80b, Hac93, Har97, HM89, HPS15, HP02, HKP05, HN09, IA93, KHH04, Kni04, LR05, Mac95, MV08, Mas94, Mas95, Mat09, Mat95a, McH04, MeH08, Not05, Nou96, SS89, SvdV96, St02, SX11, fX96].
Jacobi-like [Meh04].
Jacobi-Type [MV08].
Jacobiens [HKG09]. Joint [Afs08, BN05, BN10, CSX15, CL17, Joh08, JCG14, LP00, Pha01, PJB10, WA07].
J lagrange [AT07, Law13, LC15a, Nie10].
Lagrangian [AW00, FMX02, GSCS15, LW97, MP12, RR08].
Lambert [FHI15].
Lanczos [BDY99, BKS08, BF00, BES98, BBGL92, CD15, Cz02, Day97, FKL13, FLSS17, GS92, GLL94, Gut92, Gut94, GR00, HL06, Huh02, Jia95, JN03, Jou92, KW92, KW94, Kui00, MOR04, MB10, Pia10, PP11, UCS17, WS00, Wul05, XK94, vDHvdV00].
Lanczos-Type [GR00].
Langemeyer [SH91a].
Langville [IK06].
Laplace [KK12].
Laplacian [BS13, Gre92, GMS90, GM00,
HO15, KNS97, KA07, LY91, PV17, STvD17, TS99]. \textbf{Laplacians} [CL99].

\textbf{Large} [ABM+17, BMFy03, BSFM10, BKS08, BHM00, BGKS99, BrD07, DK99, DK01, ES92, EW13, FF94, FM93a, GH07a, GAB08, GH03, HXY11, HH89, HP92b, IO16, JK95a, Jia95, LC15b, LC16, LS06, LwCKL13, LKK97, MS10, NY95, OS09, PR12, Reu02, SS13, Sim16, SK16, SY98, SCA12, Ste01, Ste02, WZ17, WS00, XCGL10, Zha95, ZS07, HC89a, HC89b].

\textbf{Large-Scale} [ABM+17, BMFy03, BMfY03, BSFM10, BKS08, BHM00, BGKS99, BrD07, DK99, DK01, ES92, EW13, FF94, FM93a, GH07a, GAB08, GH03, HXY11, HH89, HP92b, IO16, JK95a, Jia95, LC15b, LC16, LS06, LwCKL13, LKK97, MS10, NY95, OS09, PR12, Reu02, SS13, Sim16, SK16, SY98, SCA12, Ste01, Ste02, WZ17, WS00, XCGL10, Zha95, ZS07, HC89a, HC89b].

\textbf{Largest} [Ano11, CPZ11, DSD17, GR93, JN91, KW92, NQZ10, OW92].

\textbf{Latent} [Elt92, VS14, ZZ99].

\textbf{Latouche} [Guo02].

\textbf{Lattice} [LK95].

\textbf{Lattices} [PAH17].

\textbf{Laurent} [HM04a, Tre88b].

\textbf{Law} [BZ07, CG03a, Djo08, BHKR11].

\textbf{Layered} [BKKL91, KT10a].

\textbf{LCM} [Wan98a].

\textbf{LCP} [Mor94].

\textbf{LDL} [XXC10].

\textbf{LDU} [DDY14a].

\textbf{Leading} [EG15, GS10b, JV04].

\textbf{Least} [Yan98].

\textbf{Least-Index} [CC92].

\textbf{Least-Squares} [ANT09, BG11, Ben99, BX05, CGS98, CK91, EL97, For96, FS01, HM97, LS06, Mal04, Rod06].

\textbf{Lee} [Ikr97].

\textbf{Left} [KOSvdD07].

\textbf{Legendre} [Zha10b].

\textbf{Length} [APK08, JN93].

\textbf{lengths} [Gri88].

\textbf{Leslie} [Kir92, KN94].

\textbf{Less} [HM04b, OP05].

\textbf{Letters} [JH02].

\textbf{Level} [Bor90, BBM02a, DQ02, DK13, EDFX16, HR14, Not16, TMV10, WT11, LS16].

\textbf{Level-} [HR14].

\textbf{Level-Geometric} [DQ02].

\textbf{Leverage} [HIW15, Hoo17].

\textbf{Leverrier} [Bar89].

\textbf{Levinson} [CH93a, BLAK91, CH92, FL10, Mel01].

\textbf{Liapunov} [KB93].

\textbf{Lidskii} [Lew99, MO97].

\textbf{Lie} [BW93, KHH04, MMT08, Tam99].

\textbf{Lifted} [JCG14].

\textbf{Like} [AG92, CT91, CH92, FLM10, Mel00, BEM01].

\textbf{Limit} [Ste13].

\textbf{Limited} [EM15, Sal88].

\textbf{Limited-Memory} [EM15].

\textbf{Limiting} [BK15, DD10, DK08a].

\textbf{Line} [HHRV99, HK01, RCH08].

\textbf{Linear} [ADC04, ABG07, Art96, AGL98, ANT09, Bai99, BGN03, BL12, BDHS11, BFZ07, BSFM10, BBT07, BF06, BGT14, BES98, Bom00, BM06, Bor03, BT92, BF05, BCW12, CT91, CP03a, Cao08, Cap98, CP03b, CE02, C95b, CS98, CGS98, CG98b, CGS+08, CFT99, CH93c, CFL17, CRR93, CGH11, CC92, CLH00, CG06, DGMR00, DK05, DTGV10, DD12, Din98, DS16, DS95, DLM13, ENV92, EHvP04, EGTP17, ES12, ES92, EG00, EM93a, For96, FS01, FHLS13, FL99, FNS08, FKL13, Gar90, GL03, Gil13, GLT6, GKK99, GRT07, Gow90, GS94, GS02, GR15, GTI11, GJT12, Grc10, GCL16, GV09, Gu98a, Gu98b, GGUc, GAB08, GH03, GHR95, GW92, Gu95, HLLT12, HL80, Han94, Har05, HH92, HPS13, HL91, HLM94, HJ89, JT09, Jou92].

\textbf{Linear} [Kan96, Kar11a, KGW00, KL10].
KS08, KO14, KJH16, KT10b, KT11, KLX04, LW02a, LWXZ06, ILNS17, Loe90, Lu94, Lu95, LT94b, Mal03, MF95a, MG92, MV07b, Mat92, MR97, Mec03, MB10, MMS16, Men12, Mim15, MN97, MPS98, MPS00, NV94, NRT92b, Naj98, Neu00, NY95, OST08, PS05, PYH93, PF05b, PR17, PR88, Pop12, Pop15, QL99, RT93, RR95, Roh03, Ru012, STvDD17, Sch05, SS91, SWZ11, SvdV96, SvdVM00, ST14, Ste10a, Sj92, Tig91, TV09, TETA05, VBW98, Ven93, Wei95, Wim88b, Wri95, XCGL10, XXG12, ZHZ05, ZXL14, vdES04, All89, ADD90, Ash91, BDV89, MT89, Pan91, Qia88, WBP89, Wim88A.

Linear-algebraic [CRR93].

Linear-Time [Bom00, DD12].

Linearization [HLT08, HMT09, LC15a, LVV16, MBN17, SB11].

Linearizations [AB16a, BdTD11, BDF17, DDM10, HMT06, HMMT07, LP17, MMMM06a, MMMM06b, NNT17, RVV17].

Linearized [HKBM08].

Linearly [CH97, GR17b, GMBS12, SdA10, SL12].

Lines [LF02b].

Link [De 06].

Liouville [Mal06].

Lipschitz [BLO07].

Lipschitzian [MNT99].

List [Ano97].

Loadings [GMBS12, SdA10, SL12].

Local [ALN07, Art03, FGM91, FP16, GS03, Us012, Gad88, Sun98].

Locality [Tol97].

Localization [BF89, BH13, CE12, CKP11, Pe01].

Locally [Cap00].

Locating [BNS13].

Location [Lin03].

Locations [BB98].

Log [DGIM15].

Log-Det [DGIM15].

Logarithm [CR16, CHKL01, D00, Hig01, KL98a, Zim17].

Logarithmic [BE03, HGC99, HGC00, IM13, Koh99, NNF14].

Logarithms [DMP96].

Look [AD98, G00, SK95, CH92, Ch93a].

Look-Ahead [GR00, SK95, CH92, CH93a].

Loop [Bër09, Guo98].

Loop-Based [Bër09].

Lorentz [AYLR04].

Loss [BP92].

Lossless [RD95].

Low [Asw16, COV14, CP03c, CDLP95, Dax08, DD07, DD16, DL17b, GG11, GQ14, GL13, IAVD11, IAV13, IUM14, JKN11, KK12, KB90, KL07, Ko03, KO15, KK17, KT11, LC16, LW02b, LS17, Lie08, MU13, MD03, NS11, Nie17, OSS14, PTC13, SCPW12, SS10, SC10, Ste08, Ste13, SST17, Ta15a, TYUC17, VV10, VYH11, WC15, WCCL16, XLS16, ZZ99, ZZS02, ZZS04, dSL08, dTDM08, vdV96, AG88b].

Low-Order [KB90].

Low-Rank [Asw16, COV14, CDLP05, Dax08, DD16, DL17b, GG11, GQ14, GL13, IUM14, KK12, KL07, Ko03, KO15, KT11, LC16, LS17, MU13, NS11, OSS14, SCPW12, SC10, Ste08, Ste13, STT17, TYUC17, VV10, XLS16, ZZS02, ZZS04, dSL08, vdV96].

Low-Rank-Plus-Shift [ZZ99].

Lower [AR93, AW05, BSU15, DS97, Lás94, LW05, L06, MBM08, Vec03].

Lower-Bounding [DS97].

Lower-Rank [MBM08].

LSQR [Ben99, JTP10].

Luk [YB91].

Lumpability [DS97].

Lur’e [PR12].

Lyapunov [CT15, BES15, BH90, BD05, BC88, BN87, CFL07, CH97, DL03, EW13, HS95a, HP92b, KO15, LŠ10, L02b, RDC93, SS17, TCT00, TV09, VV10].

Lyusternik [MB097].

M [GL03].

M-Matrix [GL03].

M. [Ikr97].

Machines [SYJ00].

Magnitudes [Nie10].

Maintaining [BBM02a].

Majorization [Bap98, KA07, KA10, Zha17, ZK17].

Majorization-Minimization [Zha17].

Make [JRG09].

Manifold [Bry17, DL02, Din98, Fio11, LE02, Zim17].

Manifolds [CDH12, LWW15].

Manufacturing [CCZ97].

Mapping [MRT08].

Mappings [Gow90, VZ06].

Maps [CS96c, FHLS13, Loe90].

Marginals [SH91b].

Markov [Bar93b, Bar00a, BF11, BHKR11, Bor99, BPS05, Buc00, BrD07, CCZ97, DS97, DA05, DR93, ES08, EHW10, Ger92, Hey95, H098, IM94, Kir02, LP98, LM06a, LFW13, LX12, Liu12, Mas16, Mey94, O’C02, OW96, ST01, TVW15, XG98, Zha93b].
ZZTA02, dF05, dSV01, vDHvdV00, vDH99, vMS05, All89, AG88b, Auc89, BY88, BH96, CJL96a, CF89, Che92, DIG106, DS95, Ede88, FF98, GP88, Hav89, HPR89, HRS88, Hon89, HC89a, HC89b, Ikr97, IM95, JN89, JP94, KN89, KN94, MP88, ML89, 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, AKP08, ABF16, AG00, Art03, AHH01, AW05, BD98a, BB95, BB96, BM94, BF93, BM96, BNS13, BMSV92, BL91, BM06, BKMS14, BKMS15, BS16, BHR10, BW99, BL10, BF05, BG13, BX05, BD95, BZ00, BC92, BtDF11, BDF17, BGN12, BM97, CSX15, CGHR07, Chu95, wC03, CH06, CHW10, Cla10, CD98, CG110, CR10, DH03, Dax08, De06, DD99, DD08, DD16, Dem92, DRSZ07, Dhi98, DT08, Di00, DP00, DMR09, DK14, DK15, DS10].

Matrix [DD13a, DJ09, DM08, DD97, Dm00a, DK98, DL15, DK01, EE97, EEK99, EE11, E198, ESR01, E196, Elt92, EK17, FL02, FZ16, Far16, FHI15, Fay95, FPST13, FH17, Fer97, For03, FV98, FP16, FT07, FH10, FKLR13, FG14b, FLSS17, GPM03, GH91, Ge91, GL03, GI395, GI97, GL99, GT17, GI94, GI11, GK15, GTJ13, GHHW90, GSV00, GMRS00, Gov05a, GR17b, GTI11, G098, Goll08, GKL95, GO11, GKL14, GLM17, Gou98, Guo01a, GH06, GKL12, GR05, GN16, HLT12, HM04a, Ha99, HLW05, He99, HR00, HO10, Hey95, HO98, Hig92, Hig93, HK95, HT00, Hig01, HK01, Hig03, HM04T, HM05T, Hig05, HMT06, HMT07, HMT09, HL11, HL13, HR14, HS16, HGC99, HGC00, Ho90, HS95a, HI15, Hu92, Huc92, HSC04, HL02, HKBM08, HC89b].

Matrix [Ian06, Ian09, Kr97, Ito96, IM16, IS07, IT11, JS94, Jia01, JMO93, JOvdD03, JKN11, JOAK10, KKS97, Kau93, KB90, KL91, KL92, KL98a, KP98, Kir95, KN98, KNOX02, KRU14, Koh99, KN91, KPC94, KMS15, Kra95, KH13, KL98b, KLS16, LP01, LM03, LP05, LN92, L au00, Law13, LP17, LT97, LV06, Lew96, LR94, LY03, Li06, LBL05, Lie08, LT09, Lim07, LX06, LNP93, LWW15, Lu98a, Mac99, MV97, MMM06b, Mar11b, Mat93a, Mat95b, Mat96, Mat97a, MSZ15, Mei04, Mel04, MYK14, NV94, NRT92a, NBO10, NNT17, NS11, NK01, NS90, NST15, Nov17, Nov91, Og10, Ost10, OW92, PAP10b, Pa09, Pa11, PP14a, P11, Pan93, PY93, Par05, PV09, Pea01, yPW14, P14, P10, QI06, Q13, QCT15, QCT16, RS96, RHR94]. Matrix [Rau02a, Rau02b, RE13, RS06, RV17, RE98, Rum97, SCPW12, SD16, STV17, Sch05, Sch95b, Sch96, SC05, Sev03, SMOBS13, SC03, Sid95, SC10, Sni03, So92, ST01, SD12, SU94, Ste91b, Ste16c, SH93, SV15, SD12, Tam98, TFL11, TDF15, Tho94, TL06, Tls93, T12, T98, TT99, Tre90, TW03, TV17, Tro09, TU91, Tns93, VVM05, VBW98, Vec03, Ven93, Vog99, Wan98b, gWcWL12, WY17, WL05, WS12, WCC16, Wh90, WD95, Wim92, XX16, Xia12, fX96, Xue96, YLA97, ZMK02, Zha91, Zha95, ZHZ05, ZGP10, Zhe96, Zhe98, Zim17, vdV96, von93, AdH88, B95, BMO92, BK89, Bas89, BV88, Ber88, BHH88, B88, CS89, CLS88, DV06a, FM88, Gad88, GL96, HD97, JMW96, JMS98, JNS90, JOvdD89, JH88, KL89, LG06, LRS98, Ove88, OW88].

Matrix [Stu88, Wim88b, WW08, ZF14].

Matrix-Algebraic [Zim17].

Matrix-Matrix [MSZ15].

Matrix-type [BL94].

Matrix-Valued [ALAK94, Cla10, Kra95, KH13, Mat93a, QCT15, QCT16]. Matrix-Vector [BF05, GT11, HR00].
Matroids \[\text{Mor94}\]. Max \[\text{BSvdD95, BCGG10, BJ16, DD98, HT17, Hoo17}\].
Max-Algebra \[\text{BCGG10}\]. Max-Plus \[\text{BJ16, DD98, HT17, Hoo17}\].
Maxima \[\text{RSS94}\]. Maximal \[\text{Lat95b}\].
Maximally \[\text{EG15}\]. Maximization \[\text{Fuh07, LWW15, VBW98}\].
maximizing \[\text{All89}\]. Maximum \[\text{BW95, BE10, Bor03, CD14, JR08, OR93, YLA97, Ove88}\].
Maxwell \[\text{CHH+15}\]. Mean \[\text{BEBT07, BD93, BS10, CR16, HL08, JV16, Lim07, Mon05, Zha17}\].
Mean-Square \[\text{HL08}\]. Means \[\text{AMPV97, AFW07, DDV04, Dri06, Gem98, Lim13, Mon02, Pål11, PT05}\].
Measure \[\text{NQB14}\]. Measurement \[\text{CH93b}\].
Measures \[\text{BK15, BGMN15, DRSZ07}\]. Mechanics \[\text{CGS94}\]. Media \[\text{BKKL91, CHH+15}\].
Meet \[\text{Mac95}\]. memoriam \[\text{Joh96}\]. Memory \[\text{ADV05, EM15, LHC16, KP92}\].
Mendelsohn \[\text{AL98a, IM95}\]. Meromorphic \[\text{ALAK94}\]. Mesh \[\text{vdSBvdV93}\].
Meshes \[\text{Ten97}\]. Metabolic \[\text{LS95}\]. Metamorphosis \[\text{Van11}\]. Method \[\text{AGJ14, Ain17, AT07, AM09, ABM+17, An011, BBS15, BDY99, BS05, BV90, BBTK08, BST16, BF00, BGSO7, BGT05b, BIP08, BR05, BBGL92, BMNZ94, BHM97, CS01, CFT16, CD15, CGLV11, CPZ11, CH93c, CD17, CG98a, Dan91, DHT01, DD97, Del97, DV92b, DYY16, Drm96, ESR01, ES09, EG00, FJ97, FAT16, FS09, FS10, FSV14, FLSS17, GLS12, GT13, GG14, GH07a, GTPT114, GRK17, Guo98, GL00a, Guo01a, GH06, Hac93, Har07, Hem95, HMT93, HS10, Hig92, Hig97, HK01, Hig05, HP02, HKP05, HN09, HGL05, HV05, Hu92, Hz01, Hu94, Huh02, Ia06, IT06, JMM14, Ji92, JN03, Joh08, KL92, KP08, KM11, KM14, KO15, Kui00, LLZ09, LM98a, LY03, LZ05a, LV10, LR05, Lu98b, LP13, LKK97, LE02, MV08, Mas95, MOR16, Mat09, MR97, Mee09, MB10\]. Method

\[
\text{Mor95, MM00, Nov11, OL99, PW15, Ple00, QL99, QS06, Qi13, RCH08, RST01, RT99, RP10, RW92, SGX14, Sim16, SH91a, SvdV96, SS17, Sor92, Sta02, SD09, Ste10b, SX11, Tis01a, TV09, wVJ11, Wa95, WC14, WCY15, WS00, Wü10, XCG10, Xu05, XQ14, YE12, YBZC16, ÛS94, ZS94, ZS94a, ZH03, Zha10a, ZH17, de 92, vDvdV00, vdMS05, vdV96, CS89, CLS88, HL06, KN89, Mii88, SS89}\]. Methods
\[
\text{AL95, Bai99, BGN03, BWQ06, BN06a, Bar08, BV92, Bar93a, VMM15, BN06b, BBD11, BM99, BES98, BHM00, Bj14, BV01, BM02, BF05, BrD07, BGBM92, BGBM93, BCW12, CR96, Cao00a, Cao08, CG92, CHZ16, CGI10, CH99, CG96, DFT92, Dr10, ENV92, EHV04, ESS+12, EN08, Ern00, EL91, FJ97, FM91, FM93a, FS01, FS97, FNS08, FG14a, Gar90, GL13N1, GOR14, GR15, Gre97, GV99, GMN16, GS03, Gu00, GMM+06, GM00, Gro14, HHRV99, HJ07, HY10, He99, HXY11, HS95a, HO92, HK12, JK11, JK95a, JK97, Jam92, Jia95, Jou92, JCG14, Kan96, KL91, KO1, KL08, KT10b, KT11, KV14, LWXZ06, Lch01, LS17, Lu10, MNR15, MG92, MS02, Mat95a, Més08, Mor00, MH13b, MH15, NP02, Ors06, PW90, Ple06, Ruser06, Ruser05, SA29, SSB17, S2W21, Sid95\].

Methods \[\text{Sim00, SV15, SJ92, WY17, Wei95, Wh10, Wo93, Wr95, ZZS04, ZHY14, dB98, vG93, vS04, AdHN88, BY88, FGS96, GL16, Wri97\]. Metric
\[
\text{Bar00b, BD10, BS10, BDST08, Zim17}\].

Metrics \[\text{QZL05}\]. Meyer \[\text{IK06}\]. MGS \[\text{PRS06}\].
MGS-GMRES \[\text{PRS06}\]. MIMO \[\text{DSZ14, GV04}\].
Mic \[\text{Lat95b}\]. Minimal \[\text{BEGL05, BMOvdD04, BDTD11, DDM10, DS10, FJKM96, Fio11, HP09, IM16, OV99, Par92, Pr01, Pey01, Sch95b, SMBJS13}\].

Minimal-Distance \[\text{Fio11}\]. Minimax \[\text{Ash91, IM95}\]. Minimization \[\text{BL12, BL13, FPST13, FM93a, HN98, NNF14, Zha17}\].

Minimizer \[\text{CS10b}\]. Minimizers \[\text{FGM91}\].
Minimizing \[\text{BDHS11, CG96, Ern00, GV07, }\]

N [GKRV90]. N [Ikr97]. Nano [GKL12]. Nash [CT15]. Navier [WT11, Elm97]. Navier- [WT11]. Near [CJL96a, GCL16, GDF01, Har99, BL02]. Nearest [BHR10, Den92, GHHW90, GLM17, HS16, Men12, QS06, Qi13, Rum97]. Nearly [BR08, BW97, DS97, ES2+12, MHG15].
ST14, WD95, Zha93b, GL96, Hav89).
Nearness [BDST08, DT08, GKL14, KMS15, SV15].
Necessary [Cor93, Gad88, HQ16, ZWF05].
Nested [BOS13, BHL+93, BT02, Cao00a, HR95, SS91, SV93, Ten97].
Nested-Dissection [BT02].
Network [AL98a, BK15, vdSBvdV93].
Networks [BDR12, FMRR13, FH17, GDF01, IO16, KS15, WSSL06].
Neumann [CLN14, MOC91].
Neville [GP93, GT04].
Newton [KZ10, BIP08, BX08, ES09, EM15, FHS09, GR03a, Guo98, GL00a, GH06, HK01, Ian06, Joh08, KL92, LE02, PTC13, QL09, Q506, Qi13, San88, Tis01a, ZˇS94, ZZS04, Zha10a, ZBJ15].
Newton-Like [GL00a, ZZS04].
Next [Mar91].
Nilpotent [LW05].
Nine [ZFW07].
Nine-Diagonal [ZFW07].
Next-Diagonal [ZFV07].
No [CCL09, QCCT17, CH93a, GI97, HC89b, Ikr97, WW08, Zha95].
No-spillover [QCCT17].
Node [GPS90, RE98].
Nodes [Baz00, IS08].
Noise [BE07, Par94, Wan15].
Noisy [CR96, HL08].
Non [BDY99, BGN03, CE12, CH93c, ENV92, IN09, RSS09, YXC+17].
Non-Hermitian [BDY99, BGN03, CE12, ENV92, IN09, RSS09, YXC+17].
Non-Interior-Point [CH93c].
Noncommutative [HM04b].
Nonconvex [BST16, TFL11].
Nondefinite [CPS00, Ser96].
Nondeterministic [DY90].
Nondiagonalizable [LM06b].
Nonexistence [VNMV14].
Nonfull [Fei94].
Nonfull-Rank [Fei94].
Nongeneric [Van92, VV88].
Nonhomogeneous [Ger92].
Nonincreasing [GPS96].
Noninterior [Kan96].
Nonlocal [CD17, KPC94].
Nonmaximal [FG94, Nab00, Wal03].
Nonmonic [GH91].
Nonnegative [Aru11, Art03, BN10, BCR11, CPZ11, CFJKS13, CK12, FGJ00, FHS+94, FG94, Gil13, GK15, GR93, Gru06, HNT99, Har98, HHSW97, JZ99, KMS93, KOSvdD07, KP08, Kir95, KNOX02, Koe05, Koe97, LL09, Lew91, LGL16, Nab00, NQZ10, NT08, Ors06, PL14, QXX14, QCL16, SGX14, TFL11, YY10, YY11, ZY93, ZHY16, AdH88, HR88].
Nonnegatively [BN06a].
Nonnegativity [BH08, KP08, NS94, SW91].
Nonnormal [BES15, GCL16, SCBG05].
Nonorthogonal [CL17].
Nonoverlapping [CG92].
Nonpositive [CRU08, CFJKS13, HC15].
Nonseparable [Mae98].
Nonsingular [BC92, CRKU08, EG15, NK01].
Nonsingularity [GT99].
Nonsmooth [Bebo06, Lew99].
Nonspherical [SS10].
Nonsquare [BEGM05, CG06, IM16, LGC08].
Nonstandard [RT99, Zul11].
Nonstationary [Mat05, MPS01, SWZ11].
Nonsymmetric [AA94, BM06, BGT05b, BIP08, BG06a, Cao02, CS98, CZ02, Day97, EN08, GV99, GL00b, Guo01b, GH07b, GM08, Jon92, JL98, JOAKt10, KK93a, LwCKL13, LX12, Lu05, LKK97, Meh08, Mor00, Nab99, NRT92a, NRT92b, PW15, SHY10, SB05, SW04, VHK01, Auc89, OV88].
Norm-Minimizing [CG96].
Normal [Aru00, BZ98, BE03, CG96, Dax08, FKL13, GG013, GM17, HN98, HNT99, HJ07, HT00, HGC00, Koh99, Li16, LT09, LV10, Mat93b, Mat05, Men11, NS11, Pal09, PO03, RGP96, RGP98, TT14, WS12, FSV14, HC89a, HC89b].
Norm-Minimizing [CG96].
Norm [Bea01, Chn91, FKKL96, Fri02, GLPS11, GCL16, Huc94, Hui01, HU12, Hu12, Ikr97, Ito96, Ls94, LK95, Mai99, Mur91, Mur93].
Normality [Lee95, Lee96].
Normalized [GN13, PW14a].
Norms
[BK97, BGKS99, BV07, CDP94, FHLS13, GKL95, GZ09, GZ15, HO10, HHSW97, HGC99, HM90, HLS97, IS11, MG10, Mor12, NNF14, PR91, VJ07, Zha99, Zul11, LT89, Wim88a, ABM+17]. Normwise [FLV04, Rum03a, XW07]. Note [BHL+93, Cao00b, Cao02, Cao09, CL09, CT15, DD08, DM04, FH93, GG03, Gro97, KZ10, KP99, LT94a, LM03, Log17, LR99, Mas94, MNT99, Tum02, Zhe98, BM88, San88, Sun89]. Novel [AFPA07, GRK17, RCH08]. NP [GG11, HO10, RK95]. NP-Hard [RK95, GG11, HO10]. NQZ [Ano11, CPZ11]. Nuclear [Li16, LV10]. Null [AD02, AB01, Bar93b, FJ97, GT08, GOS15, Guo02, KSH02, PR16]. Null-Space [FJ97, PR16]. Nullspace [KSG10, Jam92, PW90, SV93]. Number [AMH09, AW10, ABG07, AW05, BDMS10, BDMS12, BGT14, Bor10, CT93, Dhi98, ES05, Far16, GV07, Har05, HR14, KW94, Li06, LP11, LT94b, sG00a]. Numbers [BK06, CD05, CC09, DMC13, GK93, Grc10, KTK06, Kir02, KPM09, NW98, PT05, RVA05, SST06, VT98, ZMW17, Ede88]. Numerical [BDHS11, BBD+16, BDD14, BLd93, BBMX02, BGBM92, BGBM93, CDGS10, CH93b, CG15a, Cho10, CG98a, Cro16, CP17, DBW15, DH92, GLPS11, GL96, GPTVP16, Gap02, HB94, KM16, LP01, Li91, LR94, LP00, LW05, Lin03, LR05, MG92, MA99, MKY14, Mes08, MHR94, Ovd98, Ovs06, Ple06, RD95, Ste03, Ste11b, Swe93, Tre88a, Tre89, TV03, TU91, Tur97, Vav94, Xu05, CJL96a, CJS96b]. Numerically [Fuh07].

Obey [BHKKR11]. Object [GL99]. Object-Oriented [GL99]. Objects [NW02]. Oblique [CE02, DL02, GT99, JK95a, Ste11b]. Observability [Bar94, CT91, EJK09, Wim88b]. Observations [CHZ03]. Observed [CH93b]. Obtained [Pai09, PW14a]. occasion [Mol92]. Odd [LF02b, Mel01, Mel04]. Odd/Even [LF02b]. Odd/Even-Mode [LF02b]. ODEs [KJH16]. Oettli [May12]. Off [CDGS10]. Off-Diagonal [CDGS10]. Ohta [FP17]. One [Arg15, BV90, BCGG07, Bor97, BO07, DD13a, GTW00, GT17, GE94, JK15, JLS01, MMW17, MH15, PL14, Qi11, SB92, Sle09, Ste10a, Tre90, WC14, Wei92, ZG01, MH95]. One-Dimensional [JLS01]. One-Parameter [Tre90]. One-Sided [BB07]. One-Way [BV90, GTW00]. onto [Bar14, Din98]. Operations [LB02]. Operator [CT15, Dri06, HHLW13, J03, KK12, Mat93b, Nof96, PS08, RRR06, RHE14, TCTM00, TV03, BM88, BN87]. Operators [AM90, Bg06, BK90, BM17, BET02, CHI+15, C03, Elm97, Gre92, GCL16, Grun06, HK08, Hnt98, HLM94, JLS01, KBBH13, Knu00, KM96, PW03, Rog05, Si03, SQ13, Tig91, ZAK13, DS95]. Oppenheim [LZ97, YL00, Zha04]. Optic [Kau06]. Optical [HKBM08]. Optics [Bar08]. Optimal [ASvG17, ADC04, BB95, BBT06, BOS16, Bet09, BGH07, Bor14, CS09, CC17, DP10, DS16, FG15, FLH9, GH92, GCS12, GDX11, HB12, HS10, HS13, KN00, KMS01, KMS03, Li06, LC05, LP13, PS04, gSS97, TS99, TV09, Ty92, VCA10, Whi00, Mee98, NW02]. Optimal-Order [DS16]. Optimality [CB00, ES11, EMC17, OW88]. Optimally [SES95]. Optimization [BM01, BLO03, CDH12, GN03, GMPS92, GGO13, HL08, Hig93, MYK14, NBS10, PSW12, FRR17, SZ07, TFL11, VV10, W11, ZLQ12, FGS96]. Optimized [DK13, EDK16]. Optimizing [FN08, HO94, NBG10, NP13, OW95]. Optimum [Woz93]. Orbit [DZ01, DK14]. Orbits [DD08, LP98]. Order
BB96, BE03, CG03a, DDV00b, De 08a, De 08b, DN08, Djo08, DD13a, DD13b, DD14, DSD17, DS16, DIS15, FLV04, GS94, Hem95, HR14, IAVD11, KB90, KBHH13, KR02, LGL16, Lu10, Men08, MJM11, OL99, Peñ95, PS04, Sai16, SS17, SQ13, SD15b, SM16, SH91b, Ste10a, SW98, Vac94, VCA01, dBG08, BS05, Zab89. Ordered [Har93, JOvdD01, JOvdD04]. Ordering [Alt13, ADD96, ALP07, AL98b, BFM03, BS90, DFT92, GO95, Gro97, HP09, LRN06, NR99, RS94, RE98, YL08]. Orderings [BT02, Har93, Mas95, Pey01, SS89]. Orders [He99, JMW96]. Ordinal [WI09]. Ordinary [WZ95]. Oriented [BvdG11, GL99, Har07, Mor94]. Origin [AHH01]. Orthogonal [BZ98, BV95, CS09, Cla10, DDL14, DP04, DMM03, EM00, EGK91, FB95, Fie96, GW07, GGL04, Grc10, HL94, LD98, LSL17, MV08, MH91, Nap13, OST09, Re96, Sh95, Th93, VFGM05, VVM05, WC15, CH88, CG90, DGI06, Hon89, Mee88, SB88]. Orthogonality [BP92, EAS98, HS98]. Orthogonalization [CGLV11, Dax08, RODS15]. Orthogonally [CCJ+00, DLT15, ROH15]. Orthonormal [BLW15, IW14, SDC+12]. orthotropic [CS98]. Oscillation [KH13]. Oscillators [FL99]. Other [Gre92]. Out-of-Core [Bér99]. Outer [ZHY16, CF89]. Output [CCH98, HJ89, Mee88]. Overall [DD13b]. Overcoming [HO98]. Overdetermined [HM97]. Overlap [Whi00]. Overlapping [CG92, SS91, ZS94]. Overrelaxation [GH92].

Package [GL99]. Packets [HL17]. Padé [BAS89, BL94, CM93, CJL96a, CJL96b, DP00, GN16, Hig01, HL11, HL13, Lu98b]. PageRank [WW08, BRZ06, GLY15, IK06, IS08, LM06a, SC05, WI09]. Pair [LS10, LM06b, LGL16, Ste16a]. Pairs [BC92, Car94, EJK09, FV98, GPM03, GHT10, JKM11, KS12, KLS16, LAW13, LM06b, Tis04, HD97]. Palindromic [BKMS15, HLQ09]. Panel [KDGG13]. Parabolic [DSSC11, MS97]. PARAFAC [RCH08]. Parallel [BO96, BOC17, BB07, CGHR07, Cri88, DYT06, DGL99, DP07, HR95, HP92b, JS94, Kon00, LC05, LR05, NY95, SYJ00, SJ92, Wal95, ZS94, ZGP10, de 92, vD99, vdG93, vDS0vV93, DY90, KN89, SS89, Tsa94]. Parallelizable [ZZ98a]. Parameter [BK15, BKK07, CS01, CGGS98, DP09, HP02, HKP05, Ji92, LZ10, MH13a, MMW17, Pl00, SK16, SS17, Tre90, VOG99]. Parameter-Dependent [BK15, MMW17, SK16, SS17]. Parameterization [KJH16]. Parameterized [BT10b, BCW12, CG10, DBW15, MB10, NS09]. Parameters [DPP13, FST+13, HZ01, KO01]. Parametric [GS06, Pop12, Pop15, SS17]. Parametrization [DJ09, DY10, FMX02, Jia01]. Parametrized [KT11, Mee03]. Paraunitary [Jia01]. Parlett [DH03]. Part [BM94, FG94, Mat92, NAB00, BM00, BBM02a, BBM02b, De 08a, De 08b, DN08, DG91b, DG91c, DD13a, DD13b, EEE99, EEE99, Fer97, Gut92, Gut94, Ho00, LLZ99, MMT08, Ra02a, Ra02b, Ruo03a, Ruo03b, SD15a, SDD15]. Parter [JDS03]. Partial [ABG07, BJ04, BT02, DD16, DEG+99, Fos94, GKR89, GGC09, Gro97, GMBS12, HHRV99, He99, Hig97, JKM97, JMM14, JN03, RW95, Tam98, To97, Wo93, YL08, ZZ99, JMW96, JR85]. Partially [CKL04, Dan93, KLX07, Nav93]. Partition [Wai95]. Partitioned [De 08a, IIM94, LNT11, LNT13, ZZ01, IM95]. Partitioning [AR93, FST+13, PV17, PSL90, YP98]. Partitions [Li16]. Pasciak [FAT16, SW08]. Pasciak-Type [FAT16]. Passage
[DA05, KN99]. Path [GTJ13, JS07].
Path-Sums [GTJ13]. Pathways [LS95].
Pattern [BSvdD95, DD97, Her90, LS95, HPR89].
Patternus [BMOvdD04, HLW94, KOSvdD07, LOvdD02, SHS93, Tsa98, J88]. PDE [DSC11, PWS12, SZ07].
PDE-Constrained [PSW12, SZ07]. PDEs [BOS16, CDGS10, GLS12, Hem95].
Penalized [YLA97, ZZS04]. Bounded-State [Cor93].
Equivalence [IIM94]. Even-Mode [LF02b]. Group [ST01].
Hamiltonian [BBMX02, Meh99]. Hankel [MVP05]. PARAFAC [dMGF14, GMBS12, PTC13, Ste08, SD09, Ste12].
Quotient [GSV00]. Pencil [CH06, GLM17, HGC08, JOAKt10, Naj98, SL94, BV88].
Pencils [AA09, AAB10, AT98, BBMX02, BT12, BT13, Bol90, BM06, BKMS14, BKMS15, BS16, BEGM05, CG98b, CG06, DD08, DD16, DK14, DJK17, EEE97, EEE99, EK96, EK17, GPM03, GT17, HO94, HMT09, HGC99, IM16, IS07, IT11, KL98b, LGC08, LV06, IW97, Meh99, MMW17, TU91, NP16].
Performance [BS90, BH90, BBM02a, NR99, Swe93, Wat00, JP94]. Periodic [BT06, CCS05, CFL07, GKK99, GK06, Kir95, KLX04, LS02, Sun04, Tam97, BC88].
Periodicity [CD00, DP09]. Permanent [GP88]. permanents [FF93]. Permutation [FJBD15, Stu88]. Permutated [MP12].
Persymmetric [AKM97, GL93]. Perturbation [AB+91, BCR11, BBGF00, BM06, BEGM05, CGRVC08, CPS97, CP98, CGP90, CS10a, CLN12, wC03, DDY14a, DDY14b, DD07, Din98, DM05, DOV94, EEE97, EEE99, EI98, ES11, Ehm97, Far16, Fie96, FJ06, Gu98a, HY00, Hig03, HC15, IR08, IN09, IM16, JK15, Kåg94, Kar11a, KK14, KPC94, KP99, KMP01, Kre05, LMZ03, LNV92, Li95, L99a, Li98b, Li99, LS03, Li05, LS07, LNTX11, LNTX13, LgS02, Liu12, LR99, LT94b, MOC91, Mat93c, Mat97a, Mat97b, MBO97, MD03, Ral09, RRR06, Ste93a, Sun95a, Sun95b, Sun96, gS997, gS98b, Sun04, TVW15, Vac94, Wan15, WD00, WLB05, Wel11, XSW10, XG98, Ye09, Zha93a, ZZ01, dTDM08].
Perturbations [BEGG07, BW93, DD16, EK96, GT17, GGM017, HNT99, Kar11b, Li93, MMS16, MMW17, MT15, RS96, RW95, Rum03a, Rum03b, SW94, WD94, WD95, Zab91, AG88b]. Perturbed [AKPP08, ANT09, BBS15, BFZ07, HH912, Naj98, SEM13, SM16]. Phase [CFL17, Mar11a]. Phenomenon [Hig03]. Photonic [HLW13]. Pieces [CD90].
Piecewise [BE02, Gow96]. Pierce [FF93]. Pivot [Gar09]. Pivoting [BS02a, BT02, CCI+99, DEG+99, DGGX15, DP05, DP07, Fos94, Gou91, GGC09, Hig97, HS14, IT06, KDGG13, MM00, SS98, Swe93, Tol97, YC97, HH89]. Placement [GT17, MX98, Min15, vdWM95]. Plane [AP94, PS88]. Plus [BJ16, CG03b, DD98, Har05, HR04, HT17, Hoo17, ZZ99]. POD [CFT16]. POD-Augmented [CFT16]. Point [BG04, BG06a, CH93c, CHZ03, Din98, DGSW06, Do77, DJ00, EG15, GGV05, GS10b, GOR14, HZ01, JR13, JR08, KC09, LV10, LZ10, LP13, Mar91, Mes08, Not14, OS10, PW14b, PR16, PU10, PR14, RS02, SR07, SHY10, SHZ12, SB04, TS01a, TS99, Tu02, Wri95, WT11, XW07, Zull11, Run91, Wri97]. Points [AAB10, BGN12, DPP13, DL15, GL13, GKL14, O’N05, de 90]. Pointwise [CRS99, CRS01]. Poisson [CCZ97]. Polar [BvdMR+97, BX08, Eir00, GL17, GI96, HMM04, HMT09, Kap90, KL92, KZ10, Li95, LS03, Li05, Mat93c,
NBG10, NH12, NNF14, Pil94, YL08, ZMK02, vdMRR01, G197. Pole
[BMU94, FP98, MX98, Min15, RS08, Sun96, Zab01, vdWM95, CM92b, GKRR99].
Poles [GG14, MX98, VGA10].
Polyadic [DD13a, DD13b, DD14, DL15, SDC+12, SD15a, SDD15, SD15b].
Pole [BMU94, FP98, MX98, Mim15, RS08, Sun96, Zab91, vdWM95, CM92b, GKR98].
Polygons [Fie95].
Polyhedral [Pil94, VF00].
Polynomial [BDD13, BKS08, Bet09, BN10, Bor10, CSX15, DMR09, FJKM96, FLV04, Gem98, HLT08, KJH16, Lau00, LC15a, LVV16, MMMMO66a, Mur91, Mur93, Mur98, NNT17, Re91, SKP11, Sor92, TH01, Wim06, Ash91, BV88, Tre88b].
Polynomial-Time [BN10].
Polynomially [GR97].
Polynomials [AB16a, AMVW15, BNS13, BKMS14, BdTD11, BDF17, BV95, BGH95, wC03, Cla10, De 11, DP15, DIS15, EG91, FLT10, FIS01, GH91, GW07, Gdl08, GR05, HM04a, HM04b, HMT06, HMT07, HMT09, IR08, JLM16, JV04, Kt95, LP01, LP05, LNV92, LP17, LR94, LY03, LT09, Lin03, MM06, Meu17, NNT17, NK01, NST15, RS96, RR94, RI11, RVV17, Tas15b, TDV15, TZ13, TT98, Xu15, ZZ98b, dSV01, DGIM06, MV88, Per88].
Polytope [GWZ05, GZ09, GZ15, JP09, JCG14].
Polytopes [GP16].
Positive [AMT90, A01, AFPA07, Asw16, BGN03, BW95, BJ98, BDR12, BF06, BD05, BS10, BHH+08, BT92, CS01, Car94, CT08, CCL09, CHLS00, DK05, DH03, DY10, EG00, FHJ06, FV98, GP06, GT04, GNV03, GLV10, HLW94, Her90, Hu92, HQ16, JMO93, JH02, JovdD03, Joh08, JSG15, KOSvD07, KN91, LS09, Lat95b, Lau00, Li05, LS11, Lu98b, LQ16, MV97, Mat92, Mat97b, Mel04, Moa05, NS07, ND06, NY95, NV02, OR93, Pe98, Pe05, PT05, Pha01, QXX14, Reu02, Roh94, SMBJS13, SH93, Wal03, WZ91, WZ95, Whi90, XG10, Ye09, Zha00, ZWF05, Zha17, Zha10b, vdMS05, AG88a, FM88, HPR89].
Positive-Definite [FP98, MX98, Min15, RS08, Sun96, van96, LB09, vdWM95, AG88a, FM88, HPR89].
Positive-Definite [FP98, MX98, Min15, RS08, Sun96, van96, LB09, vdWM95, AG88a, FM88, HPR89].
Positive-Definite [FP98, MX98, Min15, RS08, Sun96, van96, LB09, vdWM95, AG88a, FM88, HPR89].
[Gil94, GS92]. **Prediction** [Elm92, GGC99, NP96, Qia88]. **Predictor** [BB98].

**Preface** [LGPS90]. **Prescribed** [CE94, CLK04, DJT05, FIS01, NS94, RSS94, TD15, BH96].

**Presence** [CGGS98, Par94, Wat00]. **Preserved** [DMS12, Loe90].

**Preserving** [BB96, BB98, BGM02, CGCDM13, CPT09b, CGP09, CG10, CH93c, CKL04, CGH11, CK91, CC10, CSG94, CKS95, CC92, CHLS00, DFT92, DG91c, DT08, DLM04, DW15, DS10, Do107, DS16, DP05, Eff13, EHVp04, EL97, EW13, FF94, Fio11, FJBd15, For03, For96, FS01, Fos03, Fri92, GH91, GHNV03, GHTT96, GP97, GTH11, GJT012, Gre05, Gu98a, Gu98b, GKL97, GKL14, Guo03, GHT09, HY110, HM01, HS10, HH98, HZ01, HLQ09, Huc92, Ips06, Ips09, IW14, Jam92, JMM14, J192, JLS01, Ken96, KKM14, Kau06, Ki99, KO01, Kni04, KMS15, Lan07, LX09, Lau00, LC15a].

**Problems** [Sun96, SD12, TETA05, VZ91, VGV09, Wei92, fX96, ZZ98a, ZWF05, Zha10a, ZXL14, ZMW17, ZF14, dSL08, BJ95, Pan91, San88, Tis93, Tre88a, Tre89, VV88, VV89, WBP89].

**Problems** [AT07, ABG07, ACST09, ANT09, ABN09, BDY98, BST16, VMM15, BDR12, Ben99, BOS16, BG04, BN06b, BMS06, Bet09, BT10b, BH13, BM96, BES98, BHM00, BKK07, BBGF00, Bor10, BS16, BG06a, BGBM92, CGCDM13, CPT09b, CGP09, CG10, CH93c, CKL04, CGH11, CK91, CC10, CSG94, CKS95, CC92, CHLS00, DFT92, DG91c, DT08, DLM04, DW15, DS10, Do107, DS16, DP05, Eff13, EHVp04, EL97, EW13, FF94, Fio11, FJBd15, For03, For96, FS01, Fos03, Fri92, GH91, GHNV03, GHTT96, GP97, GTH11, GJT012, Gre05, Gu98a, Gu98b, GKL97, GKL14, Guo03, GHT09, HY110, HM01, HS10, HH98, HZ01, HLQ09, Huc92, Ips06, Ips09, IW14, Jam92, JMM14, J192, JLS01, Ken96, KKM14, Kau06, Ki99, KO01, Kni04, KMS15, Lan07, LX09, Lau00, LC15a].

**Procedure** [CW96, GIKT95, GGL04, LS16].

**Procedures** [GR00]. **Process** [Art96, BR08, CRK05, Gut92, Gut94, HKV05, Pai10, PP11, Van08]. **Processes** [AG00, Cap98, CC97, Cla10, DQ02, Gdfl08, Guo02, LF02a, LP89]. **Processing** [Aru92, SKP11, ZR95, Cri88, Fuh88].
Procrustes [AE97, SB88]. Product [Alt13, Bar98, BOS13, BK90, BvdMR+97, GS00, G06, GR00, HK08, JS07, KN00, Kar11a, KT10b, LS11, LWWM15, MTT05, MV02, MV07a, MP98, NNP04, RHE14, Sen06, SB03, Van10, Zha10b, ZR95, FM88, Tre88b].

Product/Quotient [GSV00]. Products [BZ07, BF05, CDH12, FF94, FHLS13, FIS01, GTI11, GLP01, GP04, HL17, HM90, HLS97, JR13, MTT08, Mae98, MSZ15, Rod05, WZ95, Zha97, HC89a, HC89b, PS88, Zha95].

Profile [PK93, PK94]. Programming [Ari00, AB01, ES92, FGM91, FS01, GS10a, Gil13, HXY11, LT97, LP11, MW01, OS09, PJB10, MT89]. Projected [CFL07, GOR14]. Projecting [Din98]. Projection [Bor14, GHHW90, JK95a, Sim16, TP14, ZH03]. Projections [CE02, FNV08, Grc10, MOR04, WQ00, WZ17].

Projections [CE02, FNV08, Grc10, MOR04, WD00, WZ17].

Projections [CE02, FNV08, MOR04, WQ00, WZ17].

Projective [Hu92, Sa88]. Projectors [GT99, KS17, MS03, RE13, Ste11b]. Proof [Drm10, NV94, PS94, Bar89]. Proper [SCBG05]. Properties [BSvdD95, BO96, BDMS10, BDMS12, BRZ06, Che98, DC91a, EH92, FLT13, GIK00, Gov91b, Gow96, GW00, HP92a, KK93b, KK93a, Le 96, LF02b, LQ16, MNR15, MP95b, ND06, NS94, NSCS10, OS10, PP11, PW14a, RE13, SB04, SQ13, SU94, Tre94, Tre05, VZ91, dF05, Bas89, Lag91, MLS9, VV89]. Property [DRTW91, JWXL03, LT97, NNF14].

Proportional [BGHN92, CCH98, KLX04]. Proximity [KT10a]. Pseudocontractions [SB01]. Pseudoinverse [LC16].


Pseudospectra [AA09, AAB10, BLO03, BLO07, EK17, GL13, GKL14, HT00, Kar10, Kar11b, LP05, Ran07, TH01].

Pseudospectral [BLO04, GO11, KV14, LV17]. Pseudospectrum [BL10, BGN12]. PSVD [ABL94].

Purely [MS10]. Pyramids [HO15].

QMR [Sim97]. QR [Ste06]. QT [DK13, EDEK16, KK12]. Quadratic [Ain17, AW00, Ari00, AB01, BS05, BBTT06, BH09, BT10b, CL40, CSS10, DL03, FGM91, FS01, GP97, GHT09, GL10, HK01, HGL05, HLQ09, LKX07, LP01, LZ14, LNV92, LY03, LS11, Lin03, Mat98, Mee09, MP11, NK01, Ple06, QACT13, RS96, RT93, See11, SH91a, Tas15a, Tas15b, TZ13, TU91, Voo12, ZS14, Zha03, Zha10b, Meh88].

Quadratically [BBTT06, QS06].

Quadrature [CKR05, FMMR13, FG14b, UCS17]. Quadratures [Kau92]. Quadratic [Nie10].

Quadruples [CMT09, alGP98]. Quality [GM98]. Quasi [BT12, BT13, BLAK91, CS98, Cla10, DS97, DQ02, EM15, GI00, GIK00, GI01, GR17b, GD1b, Gdil08, Guo02, Guo03, Har07, HMR01, Ste05, VGV09].

Quasi-Birth-and-Death [Cla10, DQ02, GD08]. Quasi-Birth-Death [Gus02, Guo03, HMR01]. Quasi-Cyclic [Har07].

Quasi-Definite [G100, GI00]. Quasi-Newton [EM15, GI01]. Quasi-Newton [EM15, GI01].

Quasi-Separable [VGV09]. Quasi-Toeplitz [BLAK91, CS98].

Quasiseparable [GSS96]. Quasiseparable [BOS13, BDL11, BEG+09].

Quasiseparable-Vandemonde [BE+09].

Quaternions [Mac95]. Question [Kir02].

Queue [GT02]. Queueing [BM96].

Queues [NH97]. Quotient [DJ00, Not03, RS08, Ste16e, SL94, SX11, EX10, ZAK13, BF89].

Quotients [CDH12].

R [CT15, Ikr97, KZ10].

Radau [FLSS17].

Radii [HNT99, Lj91, MMS16].

Radius [Alt13, BN05, BN10, BZ00, GR93, GO11, GGMO17, JCG14, KV14, LW05, NP13, Tig91, Tro90, BH96, OW88]. Ramaswami [Guo02].

Random
Randomized [BG13, CD13, GR15, GR17b, HI15, MNR15, Mar11b, RST10, WXZ16, XXC14, XXCB14, XXG12, Xia13, ZF13].

Randomized-Range [AS93, BLd93, CP17, GTI11, KM16, LP01, LR94, LP00, Lin03, TW03, TU91, FM88].

Range-Space [GTI11].

Range [AS93, BLd93, CP17, GTI11, KM16, LP01, LR94, LP00, Lin03, TW03, TU91, FM88].

Range [AS93, BLd93, CP17, GTI11, KM16, LP01, LR94, LP00, Lin03, TW03, TU91, FM88].
Rectangular [Baz00, BHL+93, BD10, GT04, GT08, HLS97, WA07, YL08].

Recurrence [ESS+12, ZZ98b].

Recurrences [GS00b, GR00]. Recurrent [Guo02]. Recursive [BM00].

Recurrence [ESS+12, ZZ98b]. Recurrences [GS00b, GR00]. Recurrent [Guo02]. Recursive [BM00].

Recursively [Gre97]. Recycling [CFT16].

Reduced [GV99, Gre99, NS96, SS17].

Reducibility [LW94]. Reducible [BCGG10, EHW10].

Reduction [ASvG17, AG91b, Bar02, Bar94, BB12, BB96, BG94, GT17, LV06, Pow88].

Reductions [SH91b]. Reeves [YBZC16]. Referees [Ano97]. Reference [Tol97].

Refinable [Han03, JRZ99, RST01]. Refined [Eir00, IN09, JN03].

Refinement [BES05, DHT01, JDS03, Tls01a, Hav89].


Regression [ACW17, BE07, Fei94, O’L90].

Regular [Bez12, Cao00a, Cao00b, DD16, GT17, LV06, Pow88]. Regularity [FGP00, GP16, JR99, RR98, RST01].

Regularization [BE07, BGMN92, CCH98, GH099, KS99, KO01, KLX04, Mal03, MH13a, PSLW12, WX16].

Regularization-Robust [PSW12].

Regularized [BBTT06, BBTK08, BST16, CC17, DGSW06, Do17, LC16, LPT10, PO03, RG05, SNC02, SHZ12]. Regularizing [HJ07].

Regularizers [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, Nou96, Tam97, Xu98, ZZ98b, MV88].

Relations [BS02b, CG96, EGGR99, GP03, HLTL91, Mat05]. Relationship [CG92, HPS+11, PP05b, Peñ98].

Relationships [CF02]. Relative [Bar00b, DDY14b, DP04, DMM03, DMM08, DH97, EJ98, EGTP17, HC15, Le 96, Li98a, Li98b, Li99, Li05, LR99, Par05, Tru06, Ye99].

Relative-Error [DMM08]. Relatively [WL06]. Relaxation [AW00, BF05, ENV92, HZ01, LZ10, Woz93].

Relaxations [FJBd15, Hel00, LQ16, Nlt14, Sch05].

Reliable [Dh98, Ra11]. Remark [Lat95b].

Remarks [BGT05a, Fri16, Wei95].

Renumbering [BW99]. Reordering [GK06, PFRR17, Zha01].

Repartitioning [GH92]. Repeated [AT98, BS96, QACT13].

Representing [DV08b, FS97, GdlI08, KK12, Mar11b, Sai16, Ste16a, Sb95, Sb03, We96].

Representations [CDG+05, CGP06, CDG+07, HLW05, HR00, JZ16, LHC16, MW01, WL06, WL12].

Representing [Tig91]. Reputation [dKV10]. Require [Tsa98].

Rescaling [Hu92]. Research [GKL12].

Residual [CD14, CGLV11, DH97, Ern00, FJKM96, Gre97, Hj90, Mat98, Meu11, Meu17, 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, Le01, MR97, Mor95, Mor00, NZ16, Sim00, XE12].

Restarting
[AGJ14, CGLV11, EGG11, Sta02]. **Restarts** [FGS14b, ZH17]. **Restoration** [CR96, NNP04, RHE14]. **Restricted** [BT10a, CDD00, DG91a, MT15, Nov11, VZ91, Zha91]. **Restricted-denominator** [Nov11]. **Result** [Pai10, Sle09, Voo12]. **Results** [BLd93, Cho10, DG91b, Din98, Djo08, DD13a, Fer97, GS02, GWZ05, KS03, Mei04, Men99, MPS98, NP96, Ser98, Wil08, YL00, YY10, YY11, von93, CRR93]. **Resummations** [GTJ13]. **Retrieval** [BR05, CFL17]. **Revealing** [CGCDM13, CI94, DGGX15, DK06, FB95, HY01, KDDG13, LLZ09, LZ05a, PE95, PL97, Ste93b]. **Reverse** [BMRZ94, Djo08]. **Reversible** [DR93]. **Review** [AYLR04, Meu92]. **Revisited** [Dub00, Hig05, Pey01, Wu17]. **Reweighted** [O’L90]. **Riccati** [BIP08, CR10, FHS09, Guo98, GL00a, GL00b, Guo01b, GH07b, GIT08, JL98, JOMM10, KP99, LwCKL13, Lim07, LG02, LX06, LX12, Lu05, MOR16, MX09, Sch95a, Sim16, gS98b, Sun04, gWeWL12]. **Riccati-Type** [LX06]. **Ridge** [ACW17]. **Riemannian** [BS10, CDH12, IAVD11, Lim13, VV10, WCCl16, YBZC16, Zha10a, ZBJ15, Zim17]. **Riesz** [vDMs05]. **Right** [GRT07, HPS13, HPS16, HP02, KS92, MB10, Ple00, WCW10]. **Right-Hand** [GRT07, HPS13, HPS16, KS92, MB10]. **Rightmost** [EW13, MR97]. **Rigidity** [S08, SC10]. **Rigorous** [CS10a, DN11]. **Ritz** [AKPP08, BGV10, BD09, CE12, Hav98, KA07, KA10, PP11, Tan94, TM12, WZ17, Wu17, Wu05, ZXL14, ZK17]. **Robust** [Joh96]. **Robust** [AL98b, BH90, BLO03, DLM13, Efi13, EL97, GQ14, KB93, LGWX12, NK01, O’L90, PSH12, SNC02, Sch05, WLW06, WT11, XG10, XX17, Yan93, Zha01, Zul11]. **RobustMap** [Ost10]. **Robustness** [BCGG10, Gil13, WD94]. **Role** [Liu90]. **Root** [DK98, EKNX93, GH06, HMNT05, Ian06, Ian09, KNOX02, LFW13, Mat97a, Mei04, KN94]. **Roots** [AMVW15, CG15b, FH10, GR05, LB02, Lu98b, MS91, NST15, Sm03, JN89]. **Rosenbrock** [AB16a]. **Rotation** [DL02, JSG15]. **Rotations** [AP94, Drm10, GOR95, Moa02, SV05, Van11, PS88, SB88]. **Rounding** [SvdVM00]. **Roundoff** [EMC17]. **Roundoff-Free** [EMC17]. **Row** [CH06, CH99, DH05, FHS‘94, GNP94, RS94, RSS94, Pan91]. **Row-Wise** [CH99]. **Rows** [GN03]. **RQ** [SY98]. **Rule** [DTGVL05, Mat96, SW98]. **Rules** [CR96]. **S** [CT15, WW08]. **Saddle** [BG04, BG06a, CHZ03, DGSW06, Dol07, EG15, GGV05, GS10b, GOR14, HZ01, JR08, KC09, LZ10, Not14, OS10, PW14b, PR16, PU10, PU14, RS02, SZ07, SHY10, SHZ12, SB04, Tum02, WT11, XW07, Zul11]. **Saddle-Point** [CHZ03, DGSW06, EG15, HZ01, Tum02]. **Saddlepoint** [DR93]. **Satisfy** [ZZ98b]. **Satisfying** [CG03a]. **Scalable** [vD99]. **Scalar** [ACST09, BvdMR97, Kar11a, MMT05, MMT08]. **Scale** [AMH10, AP94, BBS15, Bet09, BZ00, BX08, CH94, DP05, FLV04, Fuy95, Hig05, HO15, JSG15, KL92, KZ10, KRU14, RSS94, SW97]. **Scaling** [BB95, Gre92]. **Schatten** [FHL13]. **Scheduling** [ADLK01, ADW05]. **Scheme**
[ALN07, ALP07, IAVD11, NY95]. Schemes [Bor03, JZ99, Whi00, vdG93, Whi89].

Schmidt [BP92, GGL04, PRS06, Ste05, VNV14].

Schrödinger [JLS01, JZ99, Whi00, vdG93, Whi89].

Schur [GLV10, Ste02, ALAK94, ABN09, BLAK91, BL10, CO99, CS96b, CDGS10, CLN12, CNW08, CH88, DH03, DDV04, DV06b, ET10, GUX94, G06, GH06, HL11, HL13, HS95b, HLS97, IM13, JMM14, KL98a, KPC94, KMP01, LZ05b, MV07b, Mat95b, SK95, SM03, Ste01, Sun95b, ZH17, vdV96].

Schur-Monotonic [GLV10].

Schur-Type [ZH17].

Schwarz [Bor09, BPS05, FS97, FNS08, HM90, NS07].

Scores [HIW15, Hoo17].

Search [Hig93, RCH08].

Searches [HK01].

Secant [CFG98].

Second [BS05, BH93, BLAK91, BL10, CO99, CS96b, CDGS10, CLN12, CNW08, CH88, DH03, DDV04, DV06b, ET10, GUX94, G06, GH06, HL11, HL13, HS95b, HLS97, IM13, JMM14, KL98a, KPC94, KMP01, LZ05b, MV07b, Mat95b, SK95, Sm03, Ste01, Sun95b, ZH17, vdV96].

Second-Moment [BH93].

Second-Order [BS05, BH93, BLAK91, BL10, CO99, CS96b, CDGS10, CLN12, CNW08, CH88, DH03, DDV04, DV06b, ET10, GUX94, G06, GH06, HL11, HL13, HS95b, HLS97, IM13, JMM14, KL98a, KPC94, KMP01, LZ05b, MV07b, Mat95b, SK95, Sm03, Ste01, Sun95b, ZH17, vdV96].

Sections [Rog05, Sil03].

Secular [LB02].

Seidel [MNR15].

Selected [XXCB15].

Selection [AB13, CB09, Lu10, RE98, dBG08].

Self [Cao09, LP01, LWYY14, Per88, WE89, WE90, YGM90, ZAK13, vdMS05].

Self-Adjoint [Cao09, LP01, ZAK13, vdMS05].

Self-Consistent [LWYY14, YGM90].

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

Self-Similar [WE90].

Self-adjoint [KL98b, RRR06, ZTAA02].

Semantic [VS14, ZZ99].

Semencul [AG91a]. Semi [BY88, GK15, LHC16].

Semi-iterative [BY88].

Semi-Nonnegative [GK15].

Semi-Separable [LHC16].

Semiaffine [QCL16].

Semicircle [BZ07].

Semiclassical [HL17].

Semiconvergence [AM05].

Semidefinite [AD02, BS10, BHH’08, CS01, Car94, CFG98, DHZ03, DH97, DY10, FNS08, GS10a, GS02, HXY11, He00, HLW94, Her90, JT98, Lau00, LWXZ06, Mal04, MW01, NS07, NW14, Ste10b, SH93, WZ95, Zha00, HPR89].

Semidirect [HG14].

Semigroups [GR97, Jia98].

Semimonotone [MP95b].

Semiproximal [BST16].

Semiring [Pat00].

Semiseparable [CG03b, CDGS10, CGP06, GLV10, Har05, Mar11b, VVM05].

Semisimple [LMZ03, Lan07, QCT15, QCT16].

Semismooth [QY04].

Sense [HPS16].

Sensing [JKN11].

Sensitivity [Afs08, Bol90, CI95b, DB88, GG06, GTP13, GKL97, Mey94, Zen16, Zha93b].

Separable [LG94, KS92, LHC16, VGV09]. Separation [De 11, LZ05b, WLB05].

Separators [GM98].

Sequence [BGGJ95, DD99, GM98a, Pa09, PW14a, Tam97].

Sequences [Arg15, FC01, HSC04, NSCS10].

Sequential [DP07, Pea88]. Sequentially [CDG+05].

Series [DM05, FG15, HR93, KS03, SX14, VP93, BS89, BN88, Tre88b].

Serra [WW08].

Serra-Capizzano [WW08].

Server [GT02].

Set [AM95, AKM97, BF06, CP17, EK96, Gow96, Gro97, Hla08, Huh01, KP08, LP96, May12, Pl89, Pea88].

set-theoretic [Pea88].

Sets [AMT90, BN10, CRS99, CR01, DLT15, GGO13, G15, GP16, Kar11a, May12, MPS00, Pop12, Pro13, SU94].

Several [Bin90, CCG+09]. Sham [LWYY14].

Shape [AKM97].

Shape-Invariant [GS03]. Shift-Invert [FS10, HL06].

Shifted [CM03, GLS94, Guo03, GIM08, HMR01, KM11, KM14, MV07a].

Shifting [MP91, vdG93].

Shifts [BBM02a, Emb09, Wat95, Zhl12].

Short [ESS+12]. Short-Term [ESS+12].

Shorted [BM88].

SIAM [Ano11, CH93a, HC89b, WW08, Zha95, GI97, Lkr97].

Sided [BB07, CZ02, FB95, Fie96, SWYM96, ZH17].

[38]
Sides [GRT07, HPS13, HPS16, KS92, MB10]. Sign [BD90a, BMOVdD04, BC92, BD15, BDF17, BHM97, CK00, HM10, JMO93, KL91, KL92, KOsVD07, LOvdD02, LS95, Pen95, Sha95, SHS03, Tsa98, JJ88]. Sign-Central [BD15]. Sign-Nonsingular [BC92]. Sign-Solvability [CK00, Sha95]. Signal [Aru92, SKP11, ZR95, Fuh88]. Signatures [Wim06]. Signed [HKG09, KSH02, SHS03]. Significance [Van92]. SIMD [BMSV92]. Similar [LLˇS09, Sle09, WE90]. Similarity [CG15a, FP98, GKK99, IIM94, LPS08, VVM05, dSV01, CH88]. Similarity/Equivalence [IIM94]. Simple [Bol90, GG14, Lu05, OP05, Ste91b, Tam99, WLB05]. Simpler [JRG09]. Simultaneous [AhS98, Bin90, BGBM93, CS96a, DDV04, De 06, MM11, OSt09, Pr91, Sut12, CJL96a, CJL96b]. Sinc [NP02]. Sine [CDD00]. Single [AD98, BMU94, CHH+15, MX98, Mim15, SX11, Meh98]. Single-Curl [CHH+15]. Single-Input [AD98, BMU94, MX98, Mim15]. Single-Vector [SX11]. Singly [Tis03]. Singular [AMMS08, AHH01, BO08, BES15, BV90, Bar02, BL02, BT17, BG14, BB96, BK90, Bor09, BW97, Cao08, CVG03, C195a, CL09, CT15, CHH+15, CFG97, CCH98, CDD00, DDV00a, DG10a, DV29a, De 94b, DD98, Dem92, Den99, DP09, DSD17, DJ00, Dmn00a, ES12, Fer98, Fri05, Gra10, GE95c, GRK17, GLM17, Han94, HMP94, HHSW97, HDT10, HS00, HJP03, HC15, Is07, JS94, JN03, JN91, JN93, Kin95, LC15b, Li93, Li98a, Li98b, LM20, LS07, MS02, MMW17, MV92, MMH94, MS03, Not16, ON05, PS94, PP05a, RY05, RW95, Rv905, Rum97, SCBG05, SS06, SWZ11, Si03, SB01, g500a, Tam98, TVBG11, WA07, Wan15, Wat92b, YB91, Zha91, Zh97, Zha00, QZ10, Bap89, BY88, BN87, FF93, GL96, KN89, WE89]. Singularities [MS99, VJ07]. Singularity [Bea01, FP16, LH05, RR98, Roh93, Wan98a]. Singularity-Induced [Bea01]. Singularly [Na98]. Sinkhorn [Kn08]. Size [CNW08, KNX04]. Size-Classified [KNX04]. Skeleton [CD13]. Sketching [ACW17, TYUC17]. Skew [AKM97, BGN03, BDLP97, BBM02, Ben09, DHZ03, DK14, Fer98, GV99, GPTP16, Hac93, Hla08, Kre05, Meh99, Rod05, RP10, SBO4, Tam98, TY02, Tre03, Yas03]. Skew-Adjoint [Rod05]. Skew-Centrosymmetric [TY02, Yas03]. Skew-Hamiltonian [BBM02, Kre05, Meh99]. Skew-Hamiltonian/Hamiltonian [BBM02, Meh99]. Slow [BET02]. Sluggish [O’C02]. Small [BLO07, CO12, CNW08, GV07, GKL95, GKL15, Hig03, JV04, Kar11b]. Smallest [GKL95, GKL97]. Smith [LK95, Mur91, Mur93]. Smooth [DE99, Ma08]. Smoothed [BC10, SST06]. Smoother [TW00]. Smoothing [HJ07, QL99]. Smoothing-Norm [HJ07]. Smoothness [CD00, Han03, JRGB09, JJO3]. Snap [IT06]. Snap-Back [IT06]. SOAR [BS05]. Sobolev [RST01]. Solution [AM95, AKM97, BS05, Bar98, BTB05, BBT06, BBTTB08, BG14, BM96, BO1, CGCD13, C195b, CPTP09b, CH97, DK05, DHZ03, DS16, DP07, EHvP04, FLM12, Gar90, GL03, dMGF14, GPTP13, GV09, GL00b, GH07b, HLT12, HB94, Han94, Hla08, HP92b, HM97, HJ92, Ips06, Ips09, Jou92, KS08, L510, LHHR95, Li99, LW02b, LBL05, Lu94, Lu96, Lu05, Mac99, May12, Mee03, Mee09, MP11, MPS00, OS10, OL99, PAP00, PYHK93, PP05b, Pop12, RG05, R006, RPG96, SC03, SJ92, TSU93, Ver96, Wei92,
Solutions [BEP94, BT92, Buc00, CPTP99a, Che01b, CGH11, CK91, CH94, CR10, DYY16, EL97, EP94, GHR95, Ho90, KC09, KT10a, KLX07, Lat95a, Mal03, MX09, OSS14, ypWJP12, RDC93, RK95, gS96, VV10, WS12, Winn92, XZC99, ZHZ05, ZWF05, DK88, Winn88b]. Solvability [Buc00, DBW15, HPS16, Pop15, Roh03, Sha95]. Solve [ANT09, GH07a, VGV09]. Solved [HLT08, LC15a, LVV16]. Solver [ADLK01, ADV05, AV91, CS98, CGP06, CDG+07, DV08a, DL92, HY00, Ste03, VHK01, XXG12, Tsa94]. Solvers [ADR92, AGL98, DH93, DGSW06, DSSC11, Gov91a, GT11i, GS00b, Gut14, JR98, MR97, PFRR17, STVD17, SvdVM00, Wri95, XXCB14, Xia13, XE10]. Solves [FS10, SX11]. Solving [AT07, ADD89, BEG+09, Ben99, BD90, BM99, BHP03, BF05, BLNT13, CG10, CG96, DHT01, DTGVL05, ESR01, ES12, EG00, Fio11, Fos03, GRT07, GLS94, GKL14, GL00a, GHT09, GL10, HXY11, Hig00b, HK01, HV05, Huc92, JH92, JFV04, JOAKt10, LwCKL13, LH05, MV07b, MLV00, MM00, NY95, Ors06, PV17, SWZ11, SS17, ST14, SB11, ZF13, BDV89]. Somne [Au00, BLd93, BGT05a, BK97, BN10, CCJ+00, CDG+05, CS10a, CD00, Cho10, CHW10, C203, CHZ03, Cro16, DLM04, Dri06, EGGRR99, EL91, GR17a, GIk00, GG06, GS02, HMT93, Ho90, JJ88, Kan96, KS03, Li91, LZ97, MP95b, MPS98, ND06, NP96, SU94, Ste11a, TL06, Trev94, Wei95, XX16, Xia12, YL00, ZQZ14, von93, GIMT95, MT89, VV89]. SOR [Dan91, HNP98]. Soules [EM10]. Space [AD02, AB01, APFA07, BW95, BH90, BH93, BD10, Bry17, Cle00, Drm06b, FJ97, aGP98, GT11i, GOS15, GS00b, PR16, Qi11, QZL05]. Spaces [BvdMR+97, GT08, GS03, KSH02, MTT05, MMM06b, NNT17, Sal88]. Sparse [Ari00, AB01, AL98b, AKP08, BV92, BLP90, BM02, BW99, BT02, BFP95, BrD07, Cav94, CDG+07, Che01a, CC09, CG90, DD97, DH99, DH01, DH05, DGL99, DEG+99, DD12, DK99, DK01, DP05, DP07, EL92, EL05, GL99, GMS92, GL93, GNP94, Gil94, GO95, GT08, GGC09, GLS94, Gup02, HS13, HN93, KU13, LGPS90, LS06, LC05, Liu90, LNP93, LB96, Lu10, LN14, LKK97, MSZ15, NP96, NP99, NR99, NY95, PFRR17, PL97, RN06, Reu02, RS94, RE98, SZ99, STVD17, SY00, SV3, SV15, Tan99, TW00, Vog99, XLS16, Xia13, XXCB15, ZS02, ZS04, dBG08, vdD99, vdBVdV93, ADD89, DY90, KY93, Liu88, PSL90]. Sparsity [CK12, HJOvdD93, HLW94, HPR89]. Spatially [Par94]. SPD [LGW12, XX17]. Special [BG94, BJ16, Che98, DCM08, Fie95, Fie00, Ips06, IS08, Ips09, LGGP90, MG92, NP99, STH03, Tho94, BHH88, HM89]. Specific [COV14, COV17]. Specified [CHKL01, Ch091, CS10b, Dan93, KKM14]. Spectra [HSC04, IZ04, KA07, MT00, Ser98]. Spectral [Alt13, AG91b, BMY03, BSvdD95, BGSC07, BE03, BN05, BN10, BZ00, BCGG10, BCW12, CSX15, Cap00, CS98b, Cle00, CG10, CP17, FGJ00, FST+13, FC01, FL99, GSCS15, GP97, GG06, GS06, GS10b, Grc10, GR93, GM98, GGO13, HNT99, HCG00, JJ03, JW11, JCG14, Kar11a, KS17, KK93b, KK93a, Lan07, LS01, Li16, MS97, Mat97b, MW01, Mön11, NFF14, NP13, NSCS10, PR01, PJB10, QY04, Sen06, SB04, SQ13, TP14, TYP02, Tiq91, Tre90, Tre94, WS12, Wel11, XE12, Yas03, AG88b, BH96, OW88]. Spectrally [BMOvdD04]. Spectroscopy [LW05]. Spectrum [Chu91, CG98a, DJS05, FT16, GMS90, MS03, PV09, ZAK13, DS95]. Sphere [CDLP05]. Spherical [ZLQ12]. SPIKE [MM09]. Spill [CCL09]. Spill-Over [CCL09]. spillover [QCT17]. Spline [HHRV99, GBCW89]. Split [Mel01].
Splitting
[BBS15, BGN03, Cao00b, HM04a, ILNS17, MBN17, Ral09, RP10, SB04, YLA97].

Splittings
[Cao00a].

Spring
[NW02].

Square
[DL02, DK98, GR93, HL08, HH94, HMT05, LFW13, Lu98b, MS91, Mat97a, Mei04, PR01, XSW10, JN89].

Squared
[BEBT07, GN16, PP05b].

Squares
[ABG07, Aru92, ANT09, BG11, Bar98, BBT05, BBT06, BBT08, BE10, BST16, Ben99, BN06b, BPE94, BES98, BHM00, Bj¨o14, BV01, BHP03, BX05, BV95, CGCDM13, CNP94, CGS98, CPTP09b, CPG09, CG10, CH93b, Chu91, CG98b, CK91, CH99, DN08, DHZ03, EL97, EP94, FF94, FB94, For96, FS01, GS10a, GH099, GJTP12, GTP13, Grc10, Gu98a, Gu98b, GW92, Gu95, HY110, HXY11, HPS*11, HG14, HM97, HV97, IW14, Jam92, KS92, KLR98, KP08, KT10a, LY03, LS06, LPT10, Mal04, Mal03, MVP05, Mar11a, ML00, MW01, MH13b, MH15, PRS06, Re91, RG05, Rod06, Rum12, Sha95, SC03, STT17, TETA05, Uscl2, VZ91, Van92, WC14, WCY15, Wei92, WD00, XCB14, ZH03, ZHY16, ZMW17, ZLZ02, ZF13, O’L90, Qia88, VV88, VV89, Zha95].

Squaring
[AMH10, BBS15, Hig05].

Stability
[BBD+16, BH90, BvdG11, BES98, BJ¨o14, BLO03, BX08, CMT09, Cor93, DLM13, FLM10, FJ97, FGS96, GGS96, GLT96, GGM017, Hig90b, Hig97, IM94, JWX03, KB93, KZ10, Kn04, KV14, LR05, LSB16, MS99, Ma99, MMS16, MT15, NH12, OvdkD98, OP05, PRS06, Pali10, RR08, Roh94, RT99, SV97, SS98, Ste03, Ste16b, Tis01b, TS01, Tro90, Wat95, Wri95, Wri97, XX16, YP98, Ya100, Yan85, ZF070, BBD95, BDV89, JJS88].

Stabilization
[HY00, W¨ol05].

Stabilized
[Ern00, LZ10, Sim97, VHK01].

Stable
[AB05, AMVW15, Bar00a, CM93, CS98, CGS98, Cha00, CG03b, CH99, DP07, fR006, FGS14b, Fuh07, Gov91a, GE94, Gu98c, GGBc03, Hu92, JK97, JRG09, LS10, LW97, LOvdD02, PLM94, RR08, Sut12, TCTM00, Tro60, Vav94, XXCB14, XSW10, ZS14, CJL96b, GL03].

Stage
[SB04, YLA97, SB01].

Staircase
[EEK99, EM00, SZK95].

Start
[Del97, KW92].

State
[BH90, BH93, BGMN92, CMT09, Cle00, Cor93, DGM00, HS10, KLR11, Zab98].

State-Discretization
[DGM00].

state-feedback
[Zab98].

State-Space
[BH90, Cle00].

Stationary
[BF11, Cao08, FNS08, GV99, KS15, LF02a, Liu12, MS02, Mey94, OW96].

Statistical
[BR11, GKL95, GL97, Hoo17, KL98].

Steepest
[KL08].

Step
[AV91, CD14, CD15, KMN11, Sle09, Sor92].

Steps
[Sle09].

Stepwise
[Mim00].

Stiefel
[Bry17, LWW15, Zim17].

Stieljes
[Bas89, FGS14a, MMS94, NV94].

Stiffness
[GCS15].

Stochastic
[AK90, BF11, CG98a, DGM00, EU10, Fie95, FST+13, GDF01, HR93, MW12, PU10, PU14, Pul13, Sen98, UCS17, WSSL06, YBZC16, Hav89].

Stokes
[Elm97, WT11].

Stopping
[AAR02, Ari13, CPTP09b, EL01].

Strang
[KO05].

Strategies
[DP05, DP07, Kon00, RE98, Ser96].

Strategy
[BF05, CD14, PFRR17, Zha01].

Stratification
[EEK99, EJ99, FGP00, aIGP98, Huh01].

Stratification-Enhanced
[EEK99].

Strict
[BD15, Zie95].

Strictly
[GP06, MMS94, NV94].

Strong
[BS94b, Ger92, LP17, Ya100, BDV89].

Stronger
[FJKM96].

Strongly
[BS94a, Mal06, Tas15b].

Structural
[EL92].

Structure
[AFPA07, BRR00, BFZ07, Bar98, BT17, BS15, Bjo90, BHR10, BJMS17, CK91, CS95, De94b, Di09, DLM04, DJK17, Gill94, Gre05, GCC09, GL10, HH93, HJP03, HLQ09, HKBM08, KC94, KO05, KK17].
KT10b, KS12, KLS16, LP96, LG08, LX06, LK95, MV17, MMS16, MBO97, MD03, NP96, ZZ99, ZZ01, dTDM08, DS95.

Structure-Preserving [GL10, HLQ09, KK17, KS12, KLS16, LX06, MMS16].

Structured [AA09, ADC04, BB08, BB08, BBTK08, BE10, BST16, BM06, Bor10, BKMS14, BKMS15, Buc00, BGBM92, BGN12, BGDN15, BK06, CGCDM13, CB90, CV07, DV08a, DV08b, Dem99, DK06, Fuh07, GR17a, GW07, Gk93, Gu98c, GMMO17, GRK17, GL10, HHSW97, HH92, HH98, IUM14, JV16, JK95b, KKT06, Kar10, Kar11b, KS08, KPM09, LX00, Li99, Mac09, MMT05, MMMM06a, MMT08, MVP05, MU13, MLV00, Mrl91, Mrl93, NP99, OSS14, PO03, Rv17, RPG96, RPG98, Rum03a, Rum03b, Rum15, SV97, Ste16b, gS98a, TH01, Tis01b, Tis03, VFGM05, Wat92b, WD95, XCC14, XCC14, XX16, XG10, XCG10, Xia12, XCG12, XX17, XW07, Zhld12, vDWM95, DGM06, GIMT95].

Structured [BKMS14, BKMS15, DD07, DV06a, DV06b, Ek96, GJ00, GL93, RD95, ST08, ZGP10, DB88].

Study [CG15b, Zhe96, Zhe98].

Sturm [BGH95, Mal06].

Style [Dol07].

Subadditive [ZQ10].

Subclasses [LQ16].

Subdefinite [CHLS00, ND06].

Subdiagonal [GN16].

Subdivision [JZ99].

Subdivisions [GP16].

Subdominant [GN03].

Subgeometric [Mas16].

Subject [CG98b, VV89].

Sublinear [CD13].

Submatrices [JK95b, dSV01].

Submatrix [Bai05, OR93].

Submultiplicativity [JN19].

Subsampled [BG13].

Subset [AB13, CB00, DA05, Fei94].

Subspace [ASVM04, AT07, ABM17, AKPR08, BR05, BD09, CP03a, CFT16, ESS12, EN08, Ern00, FGS14a, GGLN13, GG14, GPTP16, GMN16, Gut14, HS95a, HGL05, JK97, KO15, KT10b, KT11, KV14, Ldh01, Li98b, LY03, MVV92, MH13b, NZ16, RSS09, RS02, Saa97, Saa16, SS13, Sid95, Sim00, Sim16, SK16, TP14, Ver96, WY17, vDvES04, Fuh88, Lag91].

Subspace-Based [AT07].

Subspaces [BD98a, BER04, BKS08, BBMX02, BT10b, BHM97, BK06, CGV03, DHW92, Drn00b, DK08, DSZ14, FB05, FMX02, KK14, KA07, Krc05, Li93, LW97, Men12, Miy14, PLM94, RR08, Rod05, Ste16a, SL94, Tam99, WL05, YL16].

Substochastic [Har99].

Substructures [ST08].

Substructuring [EV06, PW90].

Successive [Eff13, GH92, MHHG15].

Successively [JvD01, JvD04].

Such [JKM11].

Sufficient [BM00, Cor93, CC92, HQ16, LS10, Mor12, MM00, RR08, ST08, ZWF05, Gad88, Pan91].

Sum [BL15, BLdP97, Her96, LPS08, OW92].

Sums [FF99, FHS94, GTJ13, HS00, MW01].

Superdiagonal [Tam98].

Superfast [AG88a, CGS94, FLM12, Ste03, VKH01, XCC14, XCG10, XX12, XX17, XX19, Zhld12, vDWM95, DGM06, GIMT95].

Superdiagonal [NK99, DEG99].

Supernodes [LNP93].

Superoptimal [Tyr92].

Superresolution [ZGP10].

Supersymmetric [KR02].

Support [BGH16, BB03, BGH07, SW97].

Support-Graph [BGH16].

Suprema [AMT90].

Surfaces [Nie10].

SVD [CS09, DP09, DO04, DV08c, DV08d, GS00, GL05, GE95a, IO16, LCG14, MVV93, Par05, Vac94, WLV06, Xu05, ZZ99].

SVD-like [Xu05].

SVDs [CF02, Koe95, ZZ01].

Swarztrauber [Tsa94].

Sylvester [AT07, BMO92, CJB96, DK15, GL96, GH07a, HM97, KP92, Kåg94, Li99, SS13].

Sylvester-type [DK15].

Symbol [GSCS15].

Symbolic [EL92, GGC09, Gup02].

Symbols [BV07, HK12].

Symmetric [AM95, AKM97, AT98, AG92, Ar91, AFPA07, AGL98, Aue91, BNW09, BB14, BO96, BOCL97, Bar93a, BldP97, BR08, BS96, BL91, Bor14, Cao00a, Cao99, CD15, ...]
Cav94, Cha00, CFJKS13, CH98, CE94, CG98b, CGLM08, CDN14, CW96, DHT01, DHZ03, DMM03, DK06, DP05, DP07, EGTP17, EG00, rFO06, Fer98, Fri92, Fri16, GIT96, G00, GIK00, GSS96, GV09, GPTPV16, GLS94, GL05, GE94, GLV10, Hac93, HO94, HL17, Han03, HM04a, HB94, HY01, Her96, HM07, Hla08, HS14, HV05, IT06, Jla01, JLZ16, JP93, JLS01, JSG15, Kau93, KN91, LZ14, LF02b, LM03, Lu98b, MV97, MV13, Mat09, May12, Mee03, MB10, MMW17, Mel99, Mel04, Meu92, Moa05, MHG15, MHG17, NS07, NOZ11, Nic17, NY95, NV02, OW92, OW95, PM06, Ra11, RBB90. **Symmetric** [Reu02, Rob16, RS92, Rod05, RODS15, SZ07, SS10, SvdVM00, ST14, Tam98, TY02, TL06, Tis04, Tre90, Tre05, Tur03, VGV09, VYH11, WZ91, Whi90, WS00, XLS16, XG10, Ye09, Zha05, ZWF05, ZLQ12, ZHQ16, ZS07, vDHvdV00, All89, BDV89, DK14, FGS96, GE95b, JP94, Lu08, Ove88, Tre88a]. **Symmetric-Definite** [Cha00, CG98b]. **Symmetric-Indefinite** [BBD+14]. **Symmetries** [FT16, VV15, RR94]. **Symmetrization** [ALN07]. **Symmetrized** [DD98]. **Symmetry** [CCL09, EL92, HM04a, KRU14, SS06, Ste11a]. **Symplectic** [BF00, D09, Fio11, GS06, GKL14, KS12, KLS16, LW97, Mel88]. **Synthesis** [JKN11]. **System** [AB16a, BFZ07, DH93, DK05, DJK17, FPST13, FL99, JW11, KPC94, LV10, MR97, PGVR98, RBB90, WCW10, WR97]. **Systematic** [QCT16]. **Systems** [AM95, ADC04, AK90, BGN03, BRR00, Bar08, BSFM10, BEBTO7, BEG+09, BB12, BF06, BH90, BH93, BB06, BM09, BG94, Bor03, BF05, BLNT13, BW97, BGMN92, BCW12, CT91, CP03a, Cao08, CP03b, CPS00, CI95b, CS98, CG03b, CGS+08, CCZ97, CNW08, CH98, CH06, CFL07, CT08, CK00, Cor93, CG96, DGMR00, DTGV105, DL03, DGSW06, DS16, DSZ14, DP07, ENV92, EGTP17, ES12, EG00, EG15, EL91, FLM10, FL12, FG15, FJ07, FY98, FNS08, FKLR13, GV04, GL03, Ger92, GMP92, GSS96, GLT96, GV05, GRT07, GOR14, Gre91a, GR15, GT11, GV99, Gre99, GV09, Gu98c, GAB08, GLH03, GHR95, Han94, HMP94, Hig90a, Hig90b, HH92, HS14, HO92, HV05, IKS90, Jug92, KG00, KS08, K10b, KT11, KLX04, Lan07, LW02a, LWXZ06]. **Systems** [LM90, ILS17, Lu94, Lu95, Lu96, Lu98a, LH05, LT94b, MV02, MV07a, MV07b, Mat92, Mee03, MB10, MMS16, Mel01, Men08, Men12, MG10, MM11, Min15, Mor00, NRT92b, NP02, NY95, Not16, NV02, OS10, PAP00, PS05, PR16, PV17, Pop12, Pop15, PU10, QCCT17, RT93, RE13, RD95, RY05, RK95, Roh03, Rum12, STvD17, Ser96, SS91, SvdVM00, ST14, gSS97, gSS98a, SSK95, SJ92, TV09, VHK01, Var94, Vav94, Ver96, Wal95, We95, XCL10, XXG12, XX07, YP98, Yan93, dKV10, vdES04, vdWM95, AG88a, ADD89, Ash91, BDV89, CJL96a, CJL96b, Cha98, CH92, CH93a, Cri88, FGS96, HC98a, HC98b, Sch95a, Tre88b, Wim88a, Zab89, PU14]. **Systolic** [MV93].

**T** [Zha95]. **T** [JWX03, KO05]. **Tails** [AW05, ES05]. **Takagi** [XQ08]. **Tandem** [GT02]. **Tangential** [DSZ14, GV04]. **Technique** [ADV05]. **Taylor** [SGX14]. **Techniques** [DMP96, JOAK10, LS96, PS08, BK89]. **Telescopes** [Bar08]. **Tensor** [AJRS13, BLW15, BLNT13, CS09, CHZ16, CGLM08, CDH12, De 08a, De 08b, DN08, DC08, De 11, DW15, DK13, DIS15, ES09, ES11, EDK16, FHL13, GQ14, HK08, JK15, JZL16, KS15, KL10, Kol01, Kol03, KM11, KM14, KT10b, KT11, LC15b, LC16, Li16, LGL16, LRV13, MMD08, MV08, MHG17, MBM08, NQZ10, NW14, Nic17, Ose10, Qi11, QXX14, QCL16, RV12, Rau02a, Rau02b, ...
Ste10a, Ste11a, SL12, Ste13, UsC12, WCY15, ZLQ12, dSL08. Tensor-Based [MMD08]. Tensor-CUR [MMD08]. Tensor-Product [HK08]. Tensor-Train [LRSV13]. Tensors

Ano11, Asw16, BB08, CPZ11, CS09, CK12, CO12, COV14, COV17, CGL08, CDN14, CLN14, DDV00b, DL17a, DD13a, DD13b, DD14, DDS17, Frl16, Gra10, IAVD11, IAV13, KBHH13, KR02, KK17, LRSV13, LQ16, MGH15, NQB14, QXX14, Rob16, Sai16, SQ13, SD15b, VNNM14, WC14, YY10, YY11, ZG01, ZQZ14, ZHQ16. Term

BLAK91, ESS+12, GR00, ZZ98b, GS00b.

Terms [BLW15, De08a, De08b, DN08, De11, SD15a, Ste10a, Ste12]. Test [OP05, vdMS05, Stu89]. Tests [MH13a]. Text [HJP03]. th

Ian09, Smi03, Ste10a, Ian06, GH06. Their [Bez12, CCZ97, CM03, DL17a, EK96, HL13, J LZ16, KMS01, KMS03, Lew91, LF02b, NP99, RS96, Sil03, SX11, Tig91, 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 [VF98, vdWM95, Pea88]. Theoretical [KBHH13, Mei04]. Theory

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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, El98, GV99, Gre99, GBMS12, GS00b, GR00, Hig92, HHLW13, LRA93, OST08, RHE14, SdA10, Ste13, ZZ98b]. Three-Dimensional

[CHH15, GV99, Gre99, HHLW13, OST08]. Three-Term

[BLAK91, GR00, ZZ98b, GS00b]. Three-Way


[BN10, Bom00, CT91, CFL07, Cor93, Dhi98, DD12, DLM13, Har05, JOAK10, KS03, KLD04, LF02a, Lgs02, Mas16, MG10, MJM11, OST08, PC16, PSW12, RT93, ST14, Sun04, TCTM00, VP93, BF06, LP89, Meh88]. Time-Delay [MG10, MJM11]. Time-Dependent [PSW12]. Time-Invariant [DLM13].

Time-Varying [CT91]. Times

[DA05, GN13, KN99]. TLS

[HPS16, PGVR98]. Toda [DRTW91, Lag91]. Toda-Type [DRTW91]. Toeplitz

[CH93a, Ikr97, AG88a, BN06b, BMF05, BD90, B99, BLAK91, BBDS95, BK95, BGKS99, BET02, BV07, BGN12, Cap98, Cha89, CH2, CNP94, CP00, CS98, CGS+08, CNW08, CE94, DG91b, DG91c, DD10, DLM04, DK08a, FKLK06, FLM10, FL12, FSZ14, Fri92, G9494, GP03, HB94, HY00, HH94, HR00, HR04, Huc92, HSC04, Ito96, JV16, JR88, KC94, KN00, KN91, KK93b, KK93a, LS04, ILNS17, LH05, MV97, MV88, Mel99, Mel01, Mel04, MT00, Nerv93, NSCS10, NV02, PK93, Per91, PW15, RS92, Rod06, Rog05, SK95, Ser96, Ser98, Sil03, Ste03, SH93, Swe93, Tre88a, Tre88b, Tre89, Tre90, Tre94, VHK01, Var94, Vec03, VJ07, X012, XXG12, ZZTA02]. Toeplitz-[Rod06]. Toeplitz-Block [KC94].

Toeplitz-Derived [KC94]. Toeplitz-Like

[FLM10, ILNS17, FLM12, SK95]. Toeplitz-Plus-Hankel

[HR04]. Toeplitz-Related [DL04]. Toeplitz/Hankel

[MVP05]. Tolerance [BBGL92].
Tomographic [HKBM08]. Tomography [Sal88]. Torus [Tho94]. Total [Arul92, BG11, BDSC11, BBT05, BBT06, BBTK08, BE10, BST16, BHN00, FB99, GH099, GTP13, HPS+11, LPT10, MVP05, MLY00, PO03, RS06, RG05, RPG96, RGP98, VZ91, Van92, Wei92, ZMW17, VV88, VV89]. Totally [CRRU08, DK05, FGJ00, FHGJ06, GT04, HC15, Koe05, Koe07, Peñ98, ZY93].

Tournament [FL02]. Trace [LWW15, NBS10, WZ95, Wat92a, Ber88]. Traces [OR93]. Tracking [MVV92]. Tractable [LQ16]. Train [LC15b, LC16, LRSV13]. Trains [HLQ09]. Transfer [Bar94, FN04]. Transform [BF93, BK95, DL17a, For03, HR00, KO05, Kuz15, SB03]. Transformation [CCJ+00, CG15a, Mai99, XE12].

Transformations [Dub00, IM94, LM98a, SV05, Ste16b, WL12]. Transforms [BD95, SKP11, Tur97, RS88]. Transient [EK17]. Transients [O’C02].

Transition [DRSZ07, EHW10, JJ03, LFW13, Spe98]. Transitions [DJK17, EK96]. Transmission [LF02b, Wat95]. Transport [Lai05, MX09].

transposition [JH88]. Transputers [vdSBvdV93]. Tree [GG03, MSZ03, dF05, Liu88]. Tree-Like [MSZ03]. Trees [CL99, EL05, EL08, KU13, KN98, Liu99, MP11, Nab01].

Triadic [rFO06]. Triangle [ZQ10].

Triangular [ABL94, BMF05, BCN95, FSZ14, HY01, LM02, NV93, NST09, PK93, PK94, Pes14, RW95, SHZ12, Vec03, VP93, VTB98, vD99, CH88, KP92, Naz89].

Triangularizable [Mae98]. Triangularization [SS98]. Triangularizations [IM94]. Triangularizing [TZ13]. Tricyclic [DL92]. Tridiagonal [BO96, BOCL97, BGT05b, BD98b, Bon00, BG94, CM03, CW96, DG91b, DG91c, DRSZ07, Dhi98, DL92, ES08, rFO06, Fer97, Fer98, Gei91, GITT96, Har05, Hig90a, HO92, HHH12, LS04, Meu92, Nab99, Par92, PL03, PDF16, Per91, Ple06, Tis04, VGV09, VH16, Wal95, Wil08, YP98, GE95b, Tsa94].

Tridiagonal-Diagonal [Tis04]. Tridiagonality [Bom00]. Tridiagonalization [Cav94, GIKT95, Pai10, PP11, SB05, GBCW89]. Tridiagonalizing [BS96]. Tridiagonals [Ral11].

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Tukey [SKP11]. Tukey-Type [SKP11]. Twice [LS01]. Twisted [WL12]. Two [ABL94, Bji14, CE94, CZ02, DGM06, DP09, DK13, EDK16, FB95, Fie96, FNV08, GW07, GT99, GS00b, HM04b, HP02, HK05, Ji92, JH02, Klok99, LSB16, Not16, Páll11, Ple00, PV17, Sch95b, SWYM96, Ste99, Ste91b, SB01, SJ92, TMNV10, WA07, WT11, YLA97, Zha10b, ZH17].

Two-Dimensional [Ji92, Klok99, Sch95b]. Two-Grid [PV17]. Two-Level [DK13, EDK16, Not16, TMNV10, WT11, LSB16].

Two-Parameter [DP09, HP02, HK05, Ji92, Ple00].

Two-Sided [CZ02, FB95, Fie96, SWYM96, ZH17].

Two-Stage [SJ92, SB01]. Two-Stage-Splitting [YLA97]. Two-term [GS00b]. Two-Variable [Pé11]. Type [BEG*09, BBD11, BLAK91, BS16, DRTW91, DM05, FAT16, GR00, HP02, HK05, Ito06, KO05, LX06, LV17, MV08, MMS94, MSZ03, SKP11, Wal03, Wat98, WL12, ZHY16, ZK17, BL94, DK15, IM95, Kuz15, Saa06, ZH17].

Ulm [wVBJ11]. Ulm-like [wVBJ11]. Ultrametric [Fie00, MMS94, NV94]. ULV
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**Varieties** [YL16]. **Variety** [JT98]. **Various** [RVV17].

**Varying** [CT91, Mal06]. **Vector** [AFPA07, BF05, BRZ06, BV95, CT15, Elt92, Fay95, GTI11, HR00, HQ16, IS11, JMO93, MMMM06b, MP11, NNT17, OW96, Sid95, SW97, SX11, VZ06, Wan15, KN94].

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**Vera** [GKRV90]. **Verification** [Voo12].

**Verifications** [Sch05]. **Verified** [FH10, Run12]. **Versal** [EEK97, EM90, GPM03]. **Version** [KDGG13, Sin97]. **Versions** [BB07].

**Vertical** [MN97, QL99]. **Via** [Dax08, Gow96, STT17, Van08, Bar94, BH90, BG13, BLNT13, BZ00, CFT16, CCGDM13, CDG+07, CHZ16, CDD00, wC03, CT88, FP16, GVV04, GGO13, HY01, Lew99, LP11, LP13, Mae98, Mat95b, MW01, FR01, SB11, UCS17, XXCB14, XXG12, XX17, ZŠ94].

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

**Which** [BEG07, Cao09, Kui00]. **Whose** [CF07, AdHN88].

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