Title word cross-reference

\( (0, 1) \) [BH96]. \((1 + \sqrt{2}) \) [RS18, CP17].
\((A, B, C, D) \) [CMT09].
\((AR - LB, DR - LE) = (C, F) \) [Kág94].
\((L_r, L_r, 1) \) [De 11]. \((L_r, L_r, n, 1) \)
[SD15a, SDD15]. \((\lambda, \mu) \) [JKM11]. \((R, S) \)
[Tre05]. \((r_1, r_2, r_3) \) [ES09]. \(0 \) [Ho90]. \(1 \)
[BLW15, BV00, BH96, Har99, HT00, Ho90, KR02, NW14]. \(2 \)
[BZ98, BK89, CG15a, EK96, FKLR13, HR14, LT09, Pai09, SY00, TT14]. \(2d \times 2d \)
[Ose10]. \(2 \times 2 \) [ABL94, HLW05]. \(3 \)
[BBM02a, CO12, EK96]. \(3 \times 3 \)
[BL91, GKL18]. \(4n^2 \) [HY00]. \(A \)
[VV89, Car94, WZ91]. \(A(k) \) [Art96]. \(A + \mu B \)
[JKM11]. \(A = UPD \) [Eir00]. \(A^sb \) [Gri88].

\( A^m - A^n = IJ \) [Ho90]. \(A^T X \pm X^T A = B \)
[Bra98]. \(AX - XB = C \) [BHH88]. \(AX = B \)
[yPWjP12]. \(Ax = \lambda Bx \) [WZ91]. \(AX \approx B \)
[HPS+11, HPS13, VV99]. \(AXB + CYD = E \)
[LBL05, Özg91]. \(AXB^* + CYD^* = E \)
[SC03]. \(B \) [Ste10b, WZ91]. \(BR \) [GHW99].
\(BXA^T = T \) [DHZ03]. \(CP \) [FP98]. \(G \)
[JMW96]. \(H_2 \) [BB12]. \(\chi^2 \) [MH13a]. \(cp \)
[SMBJS13, BSU15]. \(CUR \) [DMM08]. \(D \)
[KMS01, KMS03, GSCS15]. \(G \)
[LT89, NSCS10]. \(H \)
[AYLR04, AH07, KL98b, LG06]. \(H_+ \)
[HLT12]. \(H_\infty \) [GGO13, FSV14]. \(HR \) [Sle09].
\(I \otimes A \) [Gre05]. \(I \times J \times 2 \) [SD09]. \(K \)
[Car94, Yas03, BT06, GGL04, KM16, Kon00, Pro13, Sor92]. \(L \) [Stu91]. \(A \) [CLS88, JKM11].
\(LDL^T \) [Tüm02]. \(LDU \) [CKRU08]. \(LR \)
[Gem98, Sle09, Xu98]. \(LTI \) [Ver96]. \(LU \)
96m [GI97]. 97g [Ikr97].

Aberth [BGT05b]. ABLE [BDY99].

Abscissa [FL99, GO11, HGC00, KV14, LV17]. Absolute [CO99, EI98]. Accelerate [RCH08]. Accelerated [LGC +14, TP14]. Accelerating [BJM05, WZ17].

Acceleration [BRZ06, ENV92, PS08, SK16, AdHN88].

Accuracy [CD14, CD15, CHKL01, CYA +18, DMM03, GJK94, GJTP12, 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, Ipo09, Koe05, Koe07, Mas94, Mat95a, Og10, PM06, Rat09, SGX14, STT17].


Adjacency-Spectral [FST +13]. Adjoint [Cao09, LP01, Lie08, Rod05, ZAK13, vDM05]. Adjustment [BX05]. AE [Pop12]. Affine [BW95, CS06c, Fay95, Gow90, Gow96].

Affine-Scaling [Fay95]. After [Far16].

Again [Mac95]. Agglomerative [IO16].

Aggregation [Not06, Pul13, SST05, HJ89]. Aggregation-Based [Not06, SST05].

Aggressive [BBM02b, KK07, Kre08, NAY12]. Aggressively [SGX14]. Ahead [GR00, SK95, CH92, CH93a]. AIMD [WSSL06].

Algebra [BDHS11, BSvdD95, BF93, BFP95, BCGG10, CFL17, De 06, DD98, DD99, MG92, NV94, Rau02a, Rau02b]. Algebraic [BIP08, Bol90, BM02, BW99, CL17, CT08, DHY06, DG91b, DG91c, DLMV13, EZ95, EK17, FL02, FT14, FV98, FS97, GGV05, dMGF14, Guo98, GL00b, GL00a, Guo01b, GH07b, GIM08, Hoo17, JI98, JOAK10, Kap90, KP99, KM96, LwCKL13, LS17, LgS02, LX12, Lu05, MOR16, Neu00, Not06, Not16, PAP00, PS05, Pul13, SKP11, Sim16, gS98b, Sm04, Vf00, Vz06, gWcWL12, XLS16, Zim17, CRR93, San88, Sch95a]. 

Algebraically [RW01].

Algorithm [BD95, CO99, Di 09, Di 00, KHH04, MMT08, Tum99].

Algorithmic [BBGL92, EL08, GG13]. Algorithms [AG91b, AH16, AG92, AD98, Auc91, BM00, ...
Bér09, BEGG07, BJMS17, BG13, CE02, CG03b, CDG7+05, CD13, CZ02, CB90, DN08, DHTST05, DM04, Drm00a, DK91, DK01, EAS98, FH18, Gem98, GK15, GKH94, GQ14, GR17b, GPTPV16, Gu98b, Gu8c, GO11, Gup02, Gut92, Gut94, HM89, HR04, Hig09b, HLQ09, JH88, KW92, LUC18, LX06, Lu95, LV17, MV14, Meh08, MP12, MP91, MM94, NS94, NY95, Ost10, PM06, PTC13, PGVR98, RG05, Saa06, SKP11, SDD15, ST14, SW93, TYUC17, Vav94, VS14, WE91, Wat93, WE94, Wat98, Wat92a, XX16, Xia12, Xu98, Yau98, ZZS02, ZFW07, ZLN10, ZGP10, BD89, BDV89, KP92, Pan91, pea88, SB88].

Allow [KOSvdD07].

Almost [GP06, Yal00, HD97].

Almost-diagonal [HD97].

Alternating [BST16, DN08, GHHW90, HXY11, KP08, STT17, Usc12, gWeWL12, WC14, WCY15].

Alternating-directional [gWeWL12].

Alternative [BHH+08, Mat05, GPTPV16].

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

Analysis [CM89, CM92b, DB88, HC89a, HC89b].

Analytic [AH01, CR10, He99, LMZ03, WI08].

Analyticity [QCT15, QCT16].

Analyzing [CYA+18].

Ando [Zha04].

Angle [Sal88].

Angles [BL91, CS96a, Drm00b, KA07, ZQ10].

Anti [FMRR13, Ver96].

Anti-Causal [Ver96].

Anti-Gauss [FMRR13].

Antiferromagnetic [CRR93].

Antinorms [GZ15].

Antireflective [BDSC11].

Antisymmetric [KK17].

Antitriangular [CLN12, MV13, PW14b].

Any [AKP08, CT99, GSR96, Sai09, TM12].

Apart [Rum15].

Appearing [LW05].

Application [AMH09, AH14, BG15, Bez12, BM01, CR96, CS01, CS10b, FMRR13, GPM03, GS06, GP16, HM04a, HR00, HT00, HHLW13, Jan09, KS03, KMS01, KMS03, L99, LF02b, Ly03, LV10, L95, M99, Mat97a, MS10, PAP00, PL14, RB90, Rie92, RtvD17, SWYM96, Sd95, SEM13, SS17, Sor92, TFL11, WA07, NN89, MP88].

Applications [AJRS13, Alt13, AG88b, Arg15, AL98a, AB13, BO96, Bar93b, BBTT06, BKS08, BLO03, BGG10, Cap00, CCJ+00, Che98, CCZ97, CDH2, DCM08, DG91a, DJ09, EGK91, EJK90, FPST13, FNS08, GLS12, GNH18, HN09, IUM14, JJ03, JW11, JKN11, KBHH13, Kni08, KA10, KH13, KS12, LRL09, L95a, Lim07, Mat93b, Mat96, NP99, Pen01, PGVR98, RN18, RE13, Saa06, SZ07, SB01, TL06, TH01, Tsu93, WCW10, ZQZ14, ZZLY02, ZR95, ZPW18, Fuh88, GBCWS9, KN94].

Approach [DFT92, EN08, MR97, RSS09, Wal03].

Approach [BE07, BL94, Bor09, BET02, BEGM05, CSX15, CL17, CG03a, CH06, Cle00, CF00, Dax08, DG91b, DG91c, DEG+99, EK97, EK99, FL18, Fri05, GL99, GRT07, GT02, IUM14, IM16, K005, KB90, KN09, Mal04,
Mimo0o, Moa05, NNT17, Neu00, PAP00, Pil94, PR12, PJB10, TETA05, VF00, VGV09, VV10, WE90, vdWM95, BV88.

Approaches [MHG17].

Approximability [HHSW97].

Approximants [BL94, CM93, Hig01, Bas89].

Approximate [ADD96, Beb06, BM02, BS02a, BS02b, Che01a, Dav08, FMFJ18, GRK17, GHL03, HO10, HM97, IKSG10, JT98, Joh08, LC16, LBL05, MS03, Pha01, SEM13, gS96, Tan99, TW00, TX14, UG09, vdD99, KY93].

Approximately [GN13].

Approximating [CHKL01, DPP13, GGMO17, VV15, PS08].

Approximation [Arg15, AK90, AR93, Asw16, Bia05, 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, LT09, TP14, TX10, vD99, KY93].

Approximations [BN05, BD09, CG03a, Dax08, DMR09, FT07, FR90, HKV05, HCM09, HLM08, ILN17, LX12, Lu05, MP11, Vog99, FGS96].

Arithmetic [AS93, BD94, CR16, DJ00, HK95, JR13, Tis01a].

Arithmetic-Geometric [BD93].

ARMA [SH91b].

Arnoldi [BS05, BR08, CRK05, CZ02, Emb09, FS10, FGS14b, HKV05, Huc94, JMM14, KO14, LS96, Leh01, LS16, MR97, Mee09, Mor00, Nov11, RST01, Sor92, Ste10b, TM12, XE12, ZH17].

Array [MVV93, Ran02a, Ran02b, YB91].

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

Arrival [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, Ki95, Li93, MMT08, CRR93, Tre88b, WE89].

Astronomical [BN06a].

Asymptotic [Meh08, MT00, Naj98, NSCS10, Ser98, SM16].

Asymptotically [Li06].

Asymptotics [BSU15].

Asynchronous [ADL01, AD05, DGL99, SB01].

Attainable [CD14, CYA+18, Gre97, JR08, LS09].

Attention [IS08].

Augmentation [SHZ12].

Augmented [CFT16, EG00, GGLN13, Gut14, Mas16, Mor95, PAP00, Pa10, Saa97, WZ17, Wri97].

Augmenting [Rie92].

Autocovariance [Elt92].

Automata [GGJ18, GDF01].

Automorphisms [IZ04].

Available [Lee96].

Average [TS90].

Average-Case [TS90].

Averaging [Moa02].

Avoid [SD09].

Avoiding [BBD+14, DGGX15, KGK15, axis [Sch95a]].

Back [IT06].

Backward [AA09, Ari00, AB01, AMVW15, Bor10, BKMS14, BKMS15, BX08, CGP09, CL09, CB00, CM89, CM92b, CH09, DM04, EGTP17, GJTP12, Gu98a, Gu95, HH92, HH98, HL05, JTP10, KZ10, LC15a, LV16, LH12, PRS06, RJ14, Run15, gS97, gS98a, gS00a, Sm04, Tis03, Var94, XW07, Z14, ADD89].

Bad [Pan16].

Balance [NW02].

Balanced [AK90, BMNT10, CFT07, HMP94, PR88].

Balancing [EN08, KKS97, LV06].

Band
[AG91b, BGKS99, CD98, HPS15, Nab99, NV02, ZTZA02]. Banded
[BS15, BM99, CG03b, DK08a, GLS12, HB94, IT06, JP03, Kau93, KS17, TS99].
Bandwidth [RS06]. Banks
[CMPX03, HM04a, Jia01]. Barabanov
[GZ15, Mor12]. Bareiss
[BD95]. Barycentric
[Law13]. Based
[AT07, AR93, Bar08, BB12, Bér99, BDG15, BK95, Bor99, BCM95, CKR05, CCJ+00, CH98, DV08a, FGS14b, GR00, GZ13, HT17, HJP03, KO05, Li16, MMD08, MIM11, Not06, Pul13, SZ99, Sai16, SST05, SKP11, SB05, TMNV10, HK12, JM96].
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
[BCM11, BFR10, creamy15]. Behavior
[BJ15, BLO07, Naj98, Rog05, Tam97, TM12, GS92, Sun89]. Behaviour
[Drm96]. Being
[Mas94]. Benford
[BHKR11]. Bernstein
[DP10, DP15]. Best
[DDV00b, ES09, Fei94, GH92, IAVD11, IAV13, JK15, KRO2, Lás94, Lee96, LNSU18, LBL05, LT09, NW14, Q11, RHE14, SS10, ZLQ12, dSL08]. Beta
[DK08b]. Between
[CG96, FNV08, KA07, Pei98, Xn98, BS02b, CG92, CF02, De 06, Drm00b, FN04, Lim13, PF05b, YL16]. Bézier
[Bez12, Fie95]. Bezoutian
[HH93]. BiCG
[ASSvG17, Gut14, Sim97]. BiCirculation
[GW07]. Bidiagonal
[Bar02, Fer98, GL05, GE95a, JOvdD01, JOvdD04, LGC+14, Par05, WL06]. Bidiagonalization
[Ari13, Bji14, BB07, CGHR07, HPS15, JN03, Sut12]. Bidirectional
[Wat93]. Bifurcation
[Bea01]. Bifurcations
[MS10]. Bilinear
[BB12, Ca09, Cor93, FG15, RODS15]. BILUTM
[SZ99]. Binary
[MP11]. Biorthogonal
[Sta02]. Bipartite
[FL02]. Biproportion
[de 94a]. Birkhoff
[CLN14]. Birth
[Cl10, DQ02, GdI08, Guo02, Guo03, HMR01]. Birthday
[GKRV90, Mol92]. Bisection
[AL98a, Ji92]. Bivariate
[NNT17]. Björck
[BEG+09]. Black
[AV91, MH95]. Blind
[De 11, PO03]. Block
[AG14, AL95, BDY99, BBT05, BEBT07, BOS16, BD98b, Bom00, BB07, BCN95, CSX15, CL17, CE02, CNW08, CGS94, CD98, De 08a, De 08b, DN08, DRSZ07, DK15, Drm00, EP94, FG15, FMRR13, FH17, FP98, FST+13, GLS12, Gar90, GL03, GGV05, Gov91a, GV99, GLS94, GHL03, Har07, HIL05, HT00, HG14, HO92, HK12, HC89a, HC89b, HM94, JV16, KN00, KMP01, LM02, MM11, MVP05, Mas16, Meu92, MT00, MN97, NY95, Not14, OW96, Pea88, Pes14, RV12, Rog05, SZ99, SK95, Ser98, SHZ12, Sim97, Ste12, TW03, Wan98b, Wel11, ZS94, KP92, SS99, ES92, KC94]. Block-Diagonal
[BOS16]. Block-Diagonalization
[MM11]. Block-GTH
[OW96]. Block-Iterative
[CE02]. Block-LU
[ES92]. Block-Monotone
[Mas16]. Block-Oriented
[Har07]. Block-Parallel
[ZS94]. Block-Schur
[KMP01]. Block-sequential
[Pea88]. Block-Similarity
[FP98]. Block-Toeplitz
[CNW08, JV16, MVP05, KC94]. Block-Toeplitz/Hankel
[MVP05]. Block-Triangularizations
[IIM94]. Block-Triangular
[HO92]. Block-Triangulardiy
[Bom00]. Blocking
[PFR17]. Blocks
[BSV90, CDGS10, CNW08, GS10b, JV16, SS91]. Blockwise
[XG98]. Blurring
[RHE14]. Boolean
[DD99, Jia98, JH88]. Border
[BBD14]. Bordered
[Gov91a]. Bounding
[BMRRZ94]. Bottom
[PS94, RE98]. Bottom-Up
[PS94, RE98]. Bound
[BT92, DDY14a, DT11, EV06, FG94, Gow96, KK14, Lás95, Lee95, Li99, LW05, Mat97a, SST05, Vec03, WLB05, PS88]. Boundary
[ASA04, ABN09, BDSC11, BL10,
Bounded-Input [Cor93]. Bounded-Input/Bounded-State [Cor93]. Bounded-Rank [KO18]. Bounded-Realness [ABK+11]. Bounded-State [Cor93]. Bounding [DS97, FB95, Hig90a]. Bounds [AMPV97, AKPP08, AR93, Axe92, AW05, BT10a, Bar93b, BS15, BFM05, BH90, BSU15, CS10a, DH93, DH97, E198, FKL13, Gu98a, HS16, HDT10, HI15, IR08, IN09, JR13, JN93, Kit95, KA10, Kre05, KW94, Lee96, Li93, Li95, LS03, Li05, Li06, LS07, Li16, Lie00, L05b, Liu12, LR99, LPT10, Mas16, Mat93c, Mat97b, Mat98, Mel99, Mön11, Nab00, RBB90, RK95, Rum97, Rum12, RJ14, SWYM06, Ste91b, Sun95b, gS96, gSS97, gS98a, TVW15, Tru06, Wat03, WD00, Ye09, ZAK13, ZK17, vDHvdV00]. Box [AV91, MH95]. Bramble [FAT16, SW08]. Breakdown [RY05]. Breakdown-free [RY05]. Breakdowns [AGJ14]. Bregman [DT08]. Brent [YB91]. Bruhat [OovdD98]. Brunovsky [FGP00]. Bulge [WE94, Wat98]. Bulge-Chasing [WE94]. Bulges [Van11]. Bunch [DT11, JP93]. Byers [CT15, KZ10].


CDD14, DDV04, De 06, DJK17, DD13a, DD13b, DD14, DL15, GZ15, HMT10, IT11, SC05, SDC+12, SD15a, SD15b, Ste11a, SL12, Ste13, Ste16a, Usc12, WCW10, ZQ10, Zim17, de 90, Hom89, WW08]. Capizzano [WW08]. Carlson [CF00]. Cartan [Tam99]. Cartesian [HR95]. cascade [GKR89]. Case [CCG+09, FLT13, KK93a, LMZ03, NK01, SCBG05, Sta02, TS90, CM92b, MH95, Tis93]. Cases [BJ16, Fei94, So92, Zha04, BH88]. Cauchy [HM90, Kil99, Rod06]. Cauchy-Like [Rod06, Kil99]. Causal [Ver96]. Cayley [LM98a]. Center [BE07]. Centered [GKL18]. Centering [Rie92]. Central [BD15]. Centrality [BK15, GHN18, PAH17]. Centro-Hermitian [HW90a]. Centroid [CF02]. Centrosymmetric [Bai05, TY02, Y03]. Certain [ADC04, BD95, Dan93, HKG09, HLT91, Iz04, KS08, OS10, Wi08]. Certificates [EMC17]. CG [NY95]. Chain [Bar00a, BF11, ES08, Hey95, HO98, Mat96, Mey94, OW96, ST01]. Chain-Random [ES08]. Chains [Bar93b, BHKR11, Bor09, BPS05, Buc00, BrD07, DS97, DA05, DR93, EHW10, IM94, Kir02, LM06a, Liu12, Mas16, OC02, TVW15, XG98, Zha93b, CRR93]. Chan [JWX03, K05]. Change [BI99, DD16]. Change-of-Variables [BI99]. Changes [AKPP08, KA07]. Characteristic [BDF17, FIS01, IR08, R11, Xu15]. Characteristics [PJB10]. Characterization [BZ00, CGH11, FV98, GI13, LF02a, MG10, TY02, Tre05, Wei96]. Characterizations [CRVC08, CT08, CHW10, CH94, GP06, Y03]. Characterizing [CPTP09a, JLZ16]. Chart [BGBM92, TL93]. Chasing [Van11, WE91, Wat93, WE94]. Chebyshev [BE07, FLT10, GRT07, K09, LP17, Lu98a, MV88, NP16, TT98, ZS07]. Checkable [LQ16]. Checking [JR99]. Cheeger
[BSS13, Wal03]. Cheeger-Type [Wal03].
Chemical [KS15]. Choice [MH13a].
Choleski [BCMM95]. Cholesky
[AM09, BOCl97, BK89, Bér09, CP98, CH98, DHT01, DH99, DH01, DH05, DK00, DN11,
DOV94, GNP94, GSS96, GMRS00, LGWX12, LC05, LN14, Nap13, NR99,
Rods15, RJ14, Ste93a, Sun95a, XG10].
Cholesky-Like [Rods15]. Choosing
[Dan93, KO01, MX98]. Circle [Guo98].
Circuit [SWYM96]. Circulant
[AG91a, BBT05, BEBT07, CT99, Cha89,
CNP94, CP13c, dMGF14, Huc92,
Mat93b, Tyr92]. Circulant-Like [CT99].
Circulants [NSCS10]. Circular [Yal90].
Circulative [Che92]. Class
[AKP08, Bor10, BG06a, BrD07, CGRC08,
DMS13, DS16, ESR01, EL91, FP98, Fie95,
GL00b, HHSW97, LX09, LM90, Loc90,
LW94, MS03, Peñ01, Pli94, YGM09, IM95,
PR88, Run91]. Classes
[HMT93, JovD03, Kar11a, HS88].
Classical [HPS+11, Tam99]. Classification
[GKV99, HPS+11, Pro13]. Classifications
[HRS88]. Classified [KNX04]. Close
[AD98, HGC00]. Closed [Guo98, RW01].
Closed-Loop [Guo98]. Closure [DK14].
Cluster [SCBG05]. Clustered
[HJIP03, SD16, Wül05]. Clustering
[MW12, OS10, Van08]. CMV [BDG15].
CMV-Based [BDG15]. Co [JN89].
Co-square [JN89]. Coalescing
[DP09, DP13]. Coefficient
[Art03, BZ00, SEM13]. Coefficients
[AG00, BES15, Beh06, CR10, Elt92, GKK94, Gre99,
IS11, JV04, LS95, Ma06, Mato5, Meu17].
Coherence [IW14]. Coherent [LW05].
Collection [CCS05]. Collinearity [FB94].
Collocation
[DP10, DP15, HHRV99, LHHR95]. Coloring
[MSZ15]. Column [DGGX15, DS10, GNP94,
GG03, MM00, RSS94, ZZ01].
Column-Partitioned [ZZ01]. Columns
[IW14, VV89]. Columnwise [SDC+12].
Combination [SW08, All89]. Combinational [NS94]. Combinations
[KO14]. Combinatorial [ACST09, IS07].
Combinatorics [DS10]. Combined [LS07].
Combining [GRT07]. Come [HGC00].
Comments [Guo03, Ikr97, WW08, Zha95].
Common [LS10]. Communicability
[AB16b]. Communication
[BDHS11, BBD+14, DGGX15, GDW11,
GMN16, KDDG13, WSSL06].
Communication-Avoiding [BBD+14].
Commutation [GP03]. Commutators
[BK97, LS10]. commute [Stu88].
Commuting [Per91]. Commutors [CM03].
Comon [ZHI16]. Compact
[VMM15, HK12, KHH04]. Companion
[BDG15, BB98, DDM10, Kit95, Law13].
Comparison [MS02, TMN10].
Compartmental [BH93, LW02a].
Complement
[CNW08, ET10, HS95b, L05b].
Complementarity [Bai99, CH93c, CHLS00,
Gov90, GS94, GS92, HLT12, Kan96, MP95a,
MN97, MPS98, MM00, MPS00, PYHK93,
QL99, Ven93, Pan91, WBP89].
Complementation [DV06b, Sen98].
Complements [ABN09, CDGS10].
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, Nie93, SC10, ZF14, BJ95].
Completions [CD98, Dan93]. Complex
[BLAK91, CHH+15, COV14, CW96, DZ01,
GITT96, GW01, GZ09, Hig92, HLM94,
HV05, JLZ16, JP09, Koh99, LX12, Mar11a,
MV07b, RVA05, Tan98, TTA99, VNM14,
WD94, YL08, CH88, CM92b, Hon89].
Complex-Symmetric [HV05].
Complexity
[DHY06, KKS97, LH05, PTC13, Xia12].
Complimentarity [CC92]. Component
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 [FHGJ06, MA99]. Computable [GI96, Lie00, GI97]. Computation [ASVM04, AMMS08, AB95, RK95, Rum97, Rum03b, Rum15, Zha93a]. Computationally [BN05]. Computationally [DMP96, KBHH13, LPT10, Mei04].

[AB94, Ain17, AMH09, AH14, BO96, Bar02, BF11, BHR10, BGN12, CI95a, CHZ16, CW96, DH03, DA05, DHW92, ES09, EW13, EM15, EHW10, FI18, FH18, Fer97, Gem98, GHHW90, GKKX94, GSV00, GL13, GKL14, GOS15, Han03, HY01, Hart05, HW98, HO98, HMT04, JKM11, JMM14, JS94, JN03, JCG14, KL98a, KM11, KM14, KV14, LW97, LP13, LV17, MV08, Mar11b, MOR04, MV17, NBG10, NH12, NS11, NS94, PW90, QS06, QACT13, RI11, RK95, RST01, Smith03, VV10, Wat92b, WD95, WLV06, Xu05, Xue96, Zha17, vDHydV00].

Con [HB12]. Con-Eigenvalue [HB12]. Computed [Gre97]. Computers [BMSV92, NY95]. Computing [ABL94, Ain17, AMH09, AH14, BO96, Bar02, BF11, BHR10, BGN12, CI95a, CHZ16, CW96, DH03, DA05, DHW92, ES09, EW13, EM15, EHW10, FI18, FH18, Fer97, Gem98, GHHW90, GKKX94, GSV00, GL13, GKL14, GOS15, Han03, HY01, Hart05, HW98, HO98, HMT04, JKM11, JMM14, JS94, JN03, JCG14, KL98a, KM11, KM14, KV14, LW97, LP13, LV17, MV08, Mar11b, MOR04, MV17, NBG10, NH12, NS11, NS94, PW90, QS06, QACT13, RI11, RK95, RST01, Smith03, VV10, Wat92b, WD95, WLV06, Xu05, Xue96, Zha17, vDHydV00].

Con [HB12]. Con-Eigenvalue [HB12]. Conjecture [BTV03, CG15b, GKL18, JP09, ZH16, FF93]. Conjugate [AV91, BM00, BES98, BG06b, CFT16, CGLV11, CYA+18, DFT92, EG00, FAT16, GRT07, GTP114, GMN16, HS10, KL08, LH05, Saa06, Tre05, YBZC16, Zha10b, GS92].

Conjugate-Gradient [CFT16]. Connection [BSS13, GKR89]. Connections [FHN4, MBN17, SId95, SX11]. Conquer [AA94, CK91, FLM12, GE95a, GGBCC03, LGC+14, Sut13, XQ08, GE95b]. Considerations [DD09, EG00].

Consistently [Har93]. Constant [GLH03].
Constants [BT10a, Cro16]. Constrained [ALP07, AE97, Aru92, BN06a, BMO92, Bar98, BBT06, BOS16, BKK07, CG10, CH99, D16, FM93a, FT07, GW92, Gu95, Jam92, KP08, LY03, Mar11a, PSW12, SZ07, SS13, SLA10, W00, ZHY16, FGS96, GL96].
Constraint [Bai05, BNW09, Cao02, Dol07, KGW00, Log17, yPWjP12, ZH03].
Constraint-Style [Dol07]. Constraints [AW00, CG98b, EAS98, GS10a, HS10, See11, VBW98]. Constructed [Cap98].
Constructing [Chu95, DHST05, KU13, LP17]. Construction [AG91b, CS10b, GZ15, LHC16, Mac98, Tur03, VF00]. Constructive [AR93, BLW15].
Containment [BF89]. Continuation [BT10b, CH93c, Kan96, Ple00]. Continuity [de 90]. Continuous [BET02, BZ00, CH94, WB99]. Contour [YXC + 17]. Contour-Integral [YXC + 17].
Contractibility [AhS98]. Contraction [BRR00, CG15a]. Contractions [Nav93, JR88]. Contribution [BG11, SC05, WW08]. Control [BB12, BOS16, BM06, D16, GPM03, HS10, LS95, TFL11, Yan93, Cri88, DK88, MeH88]. Control-Constrained [DS16].
Controllability [Car94, EJK09, JMO93, Tsa98, Wim88b]. Controlled [MM11]. Controlling [FGM91, HN09]. Controls [BF06].
Convection [BWQ06, BGSC07, Ern00, LG06, RP10, de 92]. Convection-Diffusion [BWQ06, BGSC07, Ern00, RP10, de 92]. Convection-Dominated [LG06].
Convergence [AMMS08, Ano11, ADC04, Bai99, BMfY03, BJM05, BER04, BGV10, Bor09, BrD07, Cao00a, Cao08, CPZ11, CD17, CC+09, CG15b, DGM00, DR93, Drm10, Elt92, FNS08, FGS14a, GH92, GPS96, Guo01a, Guo02, GR97, GP04, Har07, HKV05, HMT93, IK06, Jia95, JZ99, Kni08, KN09, Kre08, LWX06, Lie00, LS04, LX06, LWWY14, MNR15, MS02, Mas95, Meh08, MH15, NOZ11, NZ16, Not03, Not16, RS08, SST05, SWZ11, SEM13, Sim00, SH91a, SU94, SB01, Usc12, WC14, WCY15, WZ17, Wu17, Xi05, XE10, Yan98, YGM09, Bas89, KN89, SS89].
Convergent [ASVM04, Auc91, CR099, CRS01, GR17b, LUC18, QS06, ZZ98a, AdHN88]. Convex [FJBd15, FS01, HM04b, Lew96, LP11].
Convexity [BDMS10, BDMS12, BLO07, HS00, KN94, KNX04, LP00, LS11]. Cooley [SKP11]. Coordinates [Mac99].
Correlation [BHR10, CD90, HS16, Hol91, LP96, LT94a, QS06, SCPW12, FF93, GP88]. Corresponding [AT98, GR93, QACT13, QCT15]. Cosine [CDD00]. Cosine-Sine [CDD00]. Cost [RT93]. Countereexample [BTV03, HS00, Kol03]. Counterexamples [JP09]. Counting [DLT15, Fer98]. Counts [GNP94]. Coupled [CH97, DK15, SS91, SD15a, SDD15].
Criteria [AM09, ADR92, ARI13, AM05, AB16b, CPT09b, COV17, EL91, BF89]. Criterion [AH07, FM93b, Li02, SNC02].
Critical [AAB10, BJL98, CCG + 09, DL15, ON05]. Cross [LV17, GBCW89]. cross-validation [GBCW89]. Crouzeix [CG15b, GKL18, RS18]. Crystals [HHLW13]. CS [Ste16a, Sut12, Sut13].
Cubature [Sch95b, Xu15]. cube [JHH88].

D [Zha95, SY00]. D. [Ikr97]. DAE [BL02]. Damped [Lan07, PTC13, Tas15b]. Damper [TV09]. Damping [Tas15a]. Dangling [IS08]. Darcy [FAT16]. Data [AM09, AG91b, AKP08, BKKL91, CGGS98, CGP90, CDP05, EL97, EGK91, GI97, HJP03, IO16, MMD08, MU13, MW12, RK95, SNC02, Wat01, fX96]. Davidson [HP02, HKP05, HN99, Not05, SvdV96, Sta02, SX11, ZS07]. Death [Cla10, DQ02, GdlI08, Guo02, Guo03, HMR01]. Deblurring [BDSC11, BBTK08]. Decay [BS15, BS16, FZ12, NLA3]. decision [LP89]. Decisions [St16c].

Decomposability [GDF01, SL94]. Decomposable [DS97, LI91, MHG15]. Decompose [FT16]. Decomposing [BLW15]. Decomposition [AG88b, AL98a, BB08, BCL97, Bar02, BDD14, BOS13, BD95, BX08, CS01, CM92a, CG92, CGP06, CL09, CLN12, CDF97, CDD00, CF02, CK00, DD00, DD04, De 06, De 11, DG91a, DD98, DD12, DD13a, DD13b, DD14, DL15, Drm00a, Eir00, Fri05, GL17, GI96, dMGFl4, GRe01, GRe05, GOS15, GW92, HMP94, Hem95, HMM04, HMT04, HMT10, HIW15, HV97, HJP03, JS94, JN03, JW11, Kap90, KL92, KZ10, Kol03, Kon00, LRA93, LF02b, LS17, MV07b, Mat93c, Mat95b, MV92, MHG17, NBC10, NH12, ON05, OvD98, OvL05, PS94, PE95, PP05a, Rei91, Rob16, RS94, Sai16, SST05, SS06, SD12, SD15b, Ste10a, Ste11a, Ste12, Ste93b, SV00, SUN95b, gSO0a, SV15, Sut12, Sut13, Tol97, Tun02, Van10, VNM14, WE94, WCW10, Xu95, YB91, YL08, ZH91].


Defined [IS11, Kar11a, Tam97]. Define [AP07, BGMN03, BW95, BJ98, BDR12, BD05, BS16, Cha00, CG98b, DHT01, EG00, FMFJ18, GI00, GIK00, GI00, GRe01, GRe05, GOS15, GW92, HMP94, Hem95, HMM04, HMT04, HMT10, HIW15, HV97, HJP03, JS94, JN03, JW11, Kap90, KL92, KZ10, Kol03, Kon00, LRA93, LF02b, LS17, MV07b, Mat93c, Mat95b, MV92, MHG17, NBC10, NH12, ON05, OvD98, OvL05, PS94, PE95, PP05a, Rei91, Rob16, RS94, Sai16, SST05, SS06, SD12, SD15b, Ste10a, Ste11a, Ste12, Ste93b, SV00, SUN95b, gSO0a, SV15, Sut12, Sut13, Tol97, Tun02, Van10, VNM14, WE94, WCW10, Xu95, YB91, YL08, ZH91].

Definiteness [CCL90, Roh94]. Definitions [De 08b]. Deflated [AGJ14, GLV11, EEG11, GGL13, Gut14, RN18]. Deflating [BBM02]. Deflation [BBM02b, Dax08, En08, KK07, Kre08, LS96, NAY12, PR12, SEM13, TMN10].

Deflations [MV14]. Deformations [EE97, GPM03]. Deformed [HGN18].

Degeneracy [CC92]. Degenerate [CGSS01, DSSC11, Mat05]. Degree [ADD96, BS90, HMO4b, Lie08, Mor94].
Delay [DLMT13, MG10, MBB17, Yan93, MJM11].
Delocalization [KMS15].
Demmel [DLC13].
Demmels [DMC13].
Densities [CGHR07, For03].
Density [BKS08, LWWY14].
Departure [Lee95, Lee96].
Dependent [BK15, GMBS12, MMW17, PSW12, SK16, SS17, SdA10, SL12].
Derivatives [ACL93, AT98, BE03, HL13, HR14, OW95, QACT13, Sen06].
Derived [KC94].
Descent [KL08, Pan91].
Described [KLX07].
Description [FV98, Hla08, Pop12, Ste16b].
Descriptions [SZK95].
Descriptor [BGMN92, CH06, CFL07, CT98, KLX04, Min15, RE13].
Design [BIS12, DK99, GL99, GMS92, Kau06, KB00, RD95, SNC02].
Designs [KMS01, KMS03, NW02].
Desingularization [K018].
Detecting [GHT09, GHT10].
Detection [BV92, Bon00, DD12, MS10].
Determinant [ASA04, BLD97, BM01, CT88, FSV14, HK09, JOvdD03, Reu02, VBW98, MP88].
Determinants [DF93, IR08, Stu91, MV88, MOvdDW89].
Determines [Par05].
Deterministic [BIS12].
Development [PGVR98].
Diagonal [ALN07, BV90, BOS16, Bot14, CDGS10, CNW08, Chu95, DHST05, DK99, DK01, GGV05, Gre92, Har05, Hig97, KB03, SCPW12, Tho94, Tis04, Wal95, ZF07, HD97, HRS88, MV88].
Diagonal-Plus-Semiseparable [Har05].
Diagonalization [Bin90].
Diagonalizable [FJ06, LM06b].
Diagonalization [Asf08, BGBM93, CSX15, CL17, CS96a, Dav08, De 06, DK15, Joh08, LUC18, MM11, Pha01].
Diagonalizing [BS96, Dau91].
Diagonally [CE02, DDY14a, DDY14b, For96, Hu92, Li02, LZ05b, Mat09, NV94, SWYM96, Sle09, ST14, Ye09].
Diagonals [HHC03].
Dichotomy [MS97].
Difference [Bor03, GKK99, GT99, LNT18, MT15, SCA12].
Differenced [VP93].
Differences [AMPV97, CP03b, C93, SvdVM00, Zha00].
Different [YL16, Whi89].
Differentiable [LS01].
Differentiating [DLMT13, EK17, Gre92, HHRV99, KM96, Moa05, RE13, Zhi12, JN89].
Differential-Algebraic [DLMT13, EK17, KM96].
Diffusion [DWQ06, BGSC07, ES18, Ern00, ILNS17, RP10, de 92].
Digital [SWYM96, DB88].
Digraph [Sev03].
Digraphs [AB16b, MOvdDW89].
Dilations [GCL16, MA99].
Dimension [HJP03, Ost10].
Dimensional [ASA04, BF06, BF93, BD95, CF02, CFL07, CZ03, Cor93, DL17a, For03, Guo98, HHLW13, JLS01, Kii99, OST08, RHE14, Sch95b].
Dimensionality [NBS10, OST08].
Dimensions [YL16].
Diophantine [BT92].
Direct [Bjö14, GKO6, Hig93, Xia13].
Directed [DN11].
Direction [GL10, HXY11, Par94].
Direction-of-Arrival [Par94].
Direction-Preserving [GL10].
directional [gWeWL12].
Disc [LZ05b].
Discrepancy [CS10b].
Discrete [ASA04, BF06, BF93, Bot03, BD95, CF02, CFL07, CZ03, Cor93, DL17a, For03, Guo98, HHLW13, JLS01, JOAKt10, KO05, KH13, KLX04, Kuz15, LF02a, LgS02, Lin11, Mas16, RT93, Sun04, TCTM00, Tur97, Van08, ZS04, LP89, Meh88].
Discrete-Time [CLF07, Cor93, JOAKt10, KLX04, LF02a, LgS02, Mas16, Sun04, TCTM00, BF06].
Discrete-Trigonometric-Transform [KO05].
Discretization [DGR00].
Discretizations [Beb06, Ern00].
Discretized [CDGS10].
Discriminant [CGH11, PP05a, PP05b, ZLN10].
Disjunct [CdS90].
Disk [Baz00].
Displacement [BT17, BJMS17, BD95, CK91, CLG93, CSK95, Di 00, CK94, KO05, Pan93, PW03, RD95, DS95, GKR89].
Dissection
[BV90, BHL+93, BT02, GTW00, HR95, SV93, Ten97]. Dissipation [MMS16].
Distance [ABK+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 [ABK+11, Bar00b, BS16, BLO04, Dem92, DLT15, Fio11, GHHW90, Gu00, GMO+06, HW98, HS16, JSG15, KMS15, Lau00, LOvdD02, Men08, Qi13, Rum97, BJ95, Pow88].
Distinct [Far16].
Distributed [ADLK01, ADV05, IO16, KP92, Vog99].
Distribution [AW10, AW05, BF11, DQ02, DD10, DK08a, GN03, Har99, Mey94, WA07, ZZTA02].
Distributions [BMfY03, Cap00, DMC13, DK08b, ES05, KS15, Liu12].
Disturbance [vdWM95].
Div [CZ03].
Dive [CZ03].
Divergence [CG03a]. Divergences [DT08].
Diverging [Ste08, SD09, Ste12].
Dive-and-Conquer [CK91, GE95a, GBbCC03, LGc+14, Sut13, XQ08, GE95b].
Divide [AA94, CK91, FLM12, GE95a, GBbCC03, LGc+14, Sut13, XQ08, GE95b].
Division [BDD13].
Domain [CM92a, CG92, Hem95, LS17, MS99, Par99, PGVR98, SZ99, ST05, TT99, Özg91].
Domain-Based [SZ99]. Domains [GLS12].
Dominance [LM98b, Wal95]. Dominant [CGV03, DDY14a, DDY14b, For96, Li02, LZ05b, MT10, Mat09, NV94, RS08, SWYM96, ST14, Ye09]. Dominated [LG06].
Double [BDD13].
Double-Curl [HHLW13]. Doubling [CCG*09, GIM08, GL10, LwCKL13, LX06, MP12, gWeWL12]. Doubly [Fie95, GIT96, Tis03, YBZC16].
Downdating [BPE94, CP98, EP94, EGK91, GE95c, LLZ09, LZ05a, PE95, Sun95a].
Downsizing [MTV10]. DQDS [AMMS08, NAY12]. Drazin [CCS05, CGRVC08, HLW05, Wi96, WLB05, XSW10]. Drift [Mas16]. Dropping [Nap13].
DSTU [PM06]. Dual [Mal04, Pil94, SB88, Zha01, Per88]. Duality [MH95, OW88]. Dulmage [AL98a, IM95].
Dynamic [ADLK01, AP94, BRR00, LT97, OS09, RBB90, Tan94]. Dynamical [DSZ14, FL18, GAB08, HMP94, KL07, KL10, LRSV13]. Dynamics [Art96, GL13, SWYM96].
E-optimal [NW02]. Early [BBM02b, KK07, Kre08, NAY12]. Easily [LQ16]. Eckart [VNVM14, Köl03, Lin11].
Edge [AB16b]. Effect [CH93b, CYA+18, IW14, Kre08]. Effective [BM99, BW99, COV17, LRN06, Mar91, Tan99, X17]. Effects [SvdVM00].
Efficient [Bar98, BMSV92, BN05, CGS98, CGGS99, Chao00, CH97, DW06, Day97, DK05, EMC17, FG514b, GL03, GNP94, Ge94, Gu98c, GOS15, LHC16, LGWX12, RG05, RDC93, SY80, SX11, TV90, TETA05]. Efficiently [EM15].
Ehrlich [BGT05b]. Edison [HN90].
Eigendecomposition [HHLW13].
Eigendecompositions [BD05, DK06].
Eigenpair [WZ17]. Eigenpairs [CE94, Eff13, KMP11, KMP14, HL06].
Eigenpolynomials [Men99].
Eigenproblem [Bai05, BJ16, CD15, DHT01, DMM03, GE94, GBbCC03, HB94, RBB90, sG96, GE95b].
Eigenproblems [Auc91, GLS94, GL05, Gu99, HLTO8, Jia95, SK16, Ste01, Ste02, Tisa15a, ZS07].
Eigen solver [BDG15, HHLW13, TP14, XWC14, YXC+17].
Eigen solvers [KN09, NZ16, Tis01b].
Eigen space [Li98b, NS94, XK94].
Eigen spaces [CZ03]. Eigenstructure [CKL04, Mim00, NK01, TV15].
Eigen system [Mat95a]. Eigensystems [LS07].
Eigenvalue [AA94, Ano11, AHS00, AD98, AL95, BDY99, BS05, BL12, BL13, Bar93a, VMM15, BF00, BMS06, Bet09, BT10b, BS98, BH13, BD09, BGT05b, BEGG07, BBGF00, Bol90, Bor10]
BKMS14, BKMS15, BEGM05, BGBM92, 
BW93, Cha00, CPZ11, CKL04, CG06, 
CKP11, DBW15, DW06, DG91c, DD10, 
DLV04, DW15, DD14, DYY16, DK08a, 
Ef13, EGGR99, EW13, Emb09, Fri92, 
GHW99, GITT96, GT17, GKL18, GK06, 
GT02, GR93, Gru06, GKL97, GHT09, 
GL10, GZ13, HB12, HH98, HP02, HKP05, 
HGL05, HLC09, Ips06, IPS09, JKL11, 
JMM14, Ji92, JS04, JLS01, KMMM18, 
KKM14, Kau93, Kau06, Kir92, 
Kni04, KW92, KLB07, LZ14, LX09, LC15a, 
LVV16, Lf98a, LNTX11, LNTX13, LM03, 
LKK97, LE02, MV97, Mac95, MM06a, 
MV17, Mat98, Mee09, Meh04. 
Eigenvalue [MBN17, Miy14, MMH94, NOZ11, 
NQZ10, Ors06, PM06, Ple00, Ple06, QACT13, 
QCCT17, RSS09, RW01, Saa16, See11, 
SCB05, SHY10, Sid95, SvdV96, SY98, 
SW94, SB11, Tis01a, TH01, Tis03, Tro90, 
VG09, Voo12, VYH11, WZ95, WE91, 
Wat93, WE94, WS00, Xu96, XE12, 
YGM09, YBZC16, ZS14, Zen16, ZZ98a, 
ZWF05, Zha10a, ZXL14, ZB15, 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, CW06, DGR90, DPP13, 
DH97, DK08b, Ed08, El98, Elm97, EW13, 
EM15, FL02, Far16, Fer98, FG94, GN03, 
GM00, Guo98, HO94, Har99, HDT10, HC15, 
HL02, IN09, JH02, KKM14, Koe05, KPM09, 
KW94, Ku00, LNV92, LG08, LPS08, 
LY91, Mal06, MR97, MS10, Mel99, Mel04, 
MYK14, MBN17, Miy14, MBO97, Nab00, 
Naj80, NQB14, NS09, NSt15, OW92, OW95, 
Pen01, Pen05, Pas14, QACT13, QCT15, 
QCT16, RS96, RA09, RA11, RVA05, RI11, 
Roh93, SHJ09, SM16, Ste91b, Tru06, Wal03, 
Wat00, Wil08, Ye99, Zha05, vDHVdV00, 
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, JK95b, Kuz15, Mor95, 
Pse14, Pow88, QACT13, QCT15, PSL90]. 
Either [Ito96]. 
Elasticity [KNOX02, KNX04, CS98]. 
Electrical [HV05]. 
Element [ACST09, Beb06, RW94, RP10, ST08, Ten97]. 
Elementary [BTV03, JOvdD01, JOvdD04]. 
Elements [BW95, FSZ14, Tam98]. 
Elementwise [ABN09]. 
Elimination [BZ98, BDD13, BS90, CH99, DGL99, EL05, 
EL08, Fos94, Gar99, GP93, GT04, GL93, 
GG03, Gou91, Gov91a, GCO99, HP99, 
Hig90a, KU13, Liu90, QXX14, TS90, YC97, 
HH89]. 
Ellipsoid [CG10, SCPW12]. 
Ellipsoid-Constrained [CG10]. 
Ellipsoids [DN11]. 
Elliptic [ACST09, Beb06, CDG01, GKL18, Gre92, 
GV99, Gre99, HHR99, MS97, PS04, KCT90]. 
elliptical [LT89]. 
Elman [BGT05a]. 
Embedded [Bry17]. 
Embedding [QCCT17, BV88]. 
Embeddings [BGH07, GM00]. 
EMS [Lat95a]. 
Enclosure [Miy14]. 
Enclosures [DN11]. 
Endpoint [Bry17]. 
Enhanced [EEK99, RCH08]. 
Enhancing [AB16b]. 
Enlarged [GMN16]. 
 Ensemble [KMN11, JH98]. 
Entanglement [NQB14]. 
Entries [Chu95, DK09, DK10, 
Har99, Zha05, JOvdD98]. 
Entropy [BW95, Le 96]. 
Entrywise [TVW15]. 
Envelope [GP97]. 
Environment [DG91b, DG91c]. 
Episodic [HN97]. 
Epsilon [SS91, ZS94]. 
Equality [CH99, FM93a, 
GS10a, HS88, So92, ZH03, Zha04]. 
Equality-Constrained [FM93a]. 
Equation [AGL98, BGSC07, BM96, BIP08, Bor03, 
Che01b, DL92, FP17, Guo01a, GH07b, 
GIM08, GKL12, HK01, He90, Kâg94, KB90, 
KO15, LŠ10, Li99, LBL05, LgS02, LB02, 
Lu05, MOR16, MX09, MP11, OL99, 
yPW/12, RN18, SC03, Sta02, Sun04, TV09, 
Ts93, Wim92, XZZ11, de 92, BHH98, 
BC88, KP92, Ööz91, Sch95a, Ts94].
Equations
[BWQ06, BD05, BK95, BT92, Bra98, BGMN15, CI95b, CS98, CG03b, CGS08, Che01a, CHH+15, CCG+09, CFl07, CH97, CG10, CR10, DTGVL05, DK15, DSSC11, DLMT13, EGTP17, ESR01, EK17, Ern00, FAT16, FH99, Gar90, GKK99, GH07a, GH07b, GPLP97, GPLP98, GSP91, Guo98, GL00b, GL00a, Guo01b, HHRV99, Han94, HS95a, HP92b, HM07, HO92, Jou92, JLG98, JOAKt10, KP99, LHHR95, LW02b, LwCKL13, Lim07, LX06, ILNS17, LNT18, LX12, LY91, MT15, Neu00, PR12, Pop15, RW94, RRR06, RDC93, Roh03, RP10, Sch95b, SS13, SWZ11, Sim16, SS17, gS98b, VV10, Vav92, gWe-WL12, Wr95, XCG10, ZHZ05, von93, BMO92, GL96, Wim88b].

Equilibria
[WSSL06].

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

Equivalence
[HLT91, HLM94, IIM94, Tho94, HRS88].

Equivalences
[GPTPV16].

Equivalent
[Kni00, WE89].

Ergodicity
[AG00, Art03, Ger92, IS11].

Erratum
[Ano11, CH93a, CKR01, EDF16, HC89b, JovdD04, LNTX13, PU14].

Error
[Ari00, AB01, Bar93a, Bar93b, BBE07, Bor10, BCW12, CP03a, CH93b, CL09, CYA+18, DH93, DMR09, DMM08, EGTP17, EMC17, FKLR13, Gow96, GT02, HJJ02, Gu95, HL08, Hig90a, HH92, HH98, HL08, JR13, JTP10, KA10, KMN11, LW02a, LC15a, LV16, LPT10, MM11, Mas16, PP05b, RB90, RJ14, Ste05, Ste06, gS00a, Van10, Var94, WY17, ZZS02, ZK17, ADD89, CM89, CM92b, Tsa94, VV89].

Error-Controlled
[MM11].

Errors
[AA09, BKM04, BKM15, CGGS99, CGSS01, DMR09, EHW10, Fuh07, GJ15, GKL95, GKL97, HK01, HH02, HH98, HK01, HLT18, LNT18, NS11, NK01, OSS14, RK95, ZZLY02].

Exactness
[Sch05].

Exclusion
[HL02, Pe~n05, SHJ09].

Evaluated
[AW10, BGT14, Emb09, G155, GGC09, HK01, HI15, OSS14, RK95, ZZLY02].

Exit
[GN13].

Expansion
[BBR00, Rau02a, Rau02b, Vac94].

Expansion-Contraction
[BRR00].

Expansions
[DM05, HR93, HKG09, SM16].

Expectation
[Fuh07].

Expected
[HJW10].

Experimental
[LP13].

Explicit
[KK12, Kuz15, MX09, MBN17, ST01, Wel95, Wim92].

Exploitation
[HKBM08].

Exploring
[EL92].

Prior
[LP16].

Expectant
[Han03].

Experimental
[ASA04, AMH09, AMHL90, AHU14, BBS15, De 11, El92, GG14, GN16, Hig05, KL98a, KL18, LNT18, NS11, Nov11, PS90, So92, SW91, SD12, ZMK02].

Extended
Extension [DK98, MNR15, MV14, MP95a, QL99, ZF13].

Extensions [BB96, BvdMR+97, Bom00, Jia01, Kol03, Pål11, Tre90, Zhe96, Zhe98].

External [SZK95].

Extension [BB96, BvdMR+97, Bom00, Jia01, Kol03, Pål11, Tre90, Zhe96, Zhe98].

Extensions [BB96, BvdMR+97, Bom00, Jia01, Kol03, Pål11, Tre90, Zhe96, Zhe98].

External [SZK95].

Extrema [Nie10].

Extremal [GZ09, GL13, GKL14, HLW94, KW94, TL06, Wim88a, Zha0a, HPR98].

Extremality [GWZ05, JP09].

Extreme [BGN12, DK08b, LC15b, LT94a, Mel99, vDHvdV00].

Eye [LM06a].

Facial [LP96].

Factor [BHR10, CS10b, DD13a, DT11, Gem98, GGL04, Li95, NNF14, SDC+12, Sa10, Wat92a, BK89, Zab89].

Factored [BS02a, BS02b].

Factoring [CB90, Gill13, JP94].

Factorisations [CF94].

Factorization [AP02, Ari00, AL95, BBD+14, BF11, BFM03, Ber09, BHP03, BMNT0, CKR08, CPS07, CH98, Cle00, D014a, DD97, DH99, D01, DH05, DGXX15, DGSW06, DOV94, DT11, EL92, FP16, GP93, GH91, GT04, GTW00, GNP94, GSS96, GO95, GK15, GMRS00, GDX11, Gul95, Guo01b, Guo02, Hy01, HJ0v93, HT17, IUM14, JMM14, JOvdD01, JOvdD04, JP93, KGDG13, KP08, L06, LGWX12, Liu90, LM14, MV13, NP96, NR99, OV99, Og10, PK93, PK94, PM06, PW14b, Pl97, QXX14, RR94, RODS15, SY00, SV97, SV05, VP93, Wo93, WT11, XCC14, XG10, XX17, XQ08, Zha01, ZFW07, BBDS95, CH88, DT90, Liu88, Naa89].

Factorizations [ANT09, Bez12, BCM05, CS0a, CMPX03, CK12, DK00, DN11, DM05, EM17, rFO06, Fos03, LC05, MM05, MW01, Nap13, Og10, RJ14, STvDD17, SMBJS13, SB92, Ste93a, WL12, CF89, JOvdDS9, Wri97].

Factorized [KY93, MN18].

Factors [GL93, dMFG14, LS03, Li05, LB96, PR01, SST06, Woz93, ZZS02, ZZS04, HH89].

Fail [Emb09, Fos94].

Faults [EM00].

Falk [SH91a].

Families [GZW05, GZ09, Maa99].

Family [GdH08, Ia09, KMS01, KMS03, Mae98].

Fan [FHS13, LM98b].

Far [Rum15].

Farenick [Ikr97].

Fast [AP94, AMVW15, BB08, BSDC11, BES15, BBD+16, BOCL97, BTOK08, BL94, BEG+09, BEGG07, BIP08, BK95, CS98, CG03b, CDG+05, CGP06, CDG+07, Di09, DV08c, DV08d, GI17a, GO03, Gu98b, GMS+06, GO11, GGO13, HB12, HP09, HR00, HR04, HG14, HLIQ09, HHLW13, KS17, KL18, LX09, Law13, LHC16, Lu94, Lu95, Mar11b, MLV00, MTV10, Mi14, Mon11, NRT92a, NP02, OST09, PK93, PK94, PP92, Rei91, Rod06, STvDD17, SB03, Ten97, UCS17, VS14, VP93, XCC14, XCCB15, XK94, XE12, YXC+17, ZFW07, ZLN10, ZZ98b].

 Faster [AB13, ACW17, BJMS17, Not05].

FastMap [Ost10].

Fat [HHC03].

Fault [BBGL92].

Faulty [Zha95].

Feasibility [AM09, CE02, FM93b].

FEAST [TP14].

Features [NSCS10].

Feedback [BGMN92, CCH98, CMT09, KLX04, RE13, Yan93, Zab89].

FEM [GSCS15, KA10].

Fenchel [Zha10b].

Few [EW13, LC15b, STT17].

Fiber [Kau06].

Fiedler [BDTD11, DDM10, NP16].

Fiedler-comrade [NP16].

Field [LWW14, RW01, YGM09].

Fields [Fay95].

Fike [wC03].

Filter [BFM03, HP09, ZFW07].

Fill-In [BFM03].

Filter [CMPX03, GR07, GW00, H04a, KMN11, SACA12, DB88].

Filtered [BKS08, Saa06].

Filtering [ET10, MBM08, dKV10, KCT90].

Filters [Sor92].

Finding [BBTT06, BBTK08, Bor14, CG15a, DYY16, Fei94, GPS90, GZ09, LP939, LGL16, NQZ10, OW96, Pil94, SD12].

Finer [ZZTA02].

Finite [ACST09, BF11, BLW15, Be06, BHK11, BvdMR+97, CP03b, CD15, CT93, DHST05, GIKT95, HK95, LF02a, PP11, RW94, Rog05, RP10, ST08, Si03, Ten97, GS92].

Finite-Dimensional [BvdMR+97].

Finite-Element [ACST09, ST08].

Finite-Precision [PP11].

Finite-state [BHK11].

Finitely [GI96, GI97].
[ASA04, Ari13, ABF16, AG00, AV91, Ben99, BG04, BG15, BMS06, Bet09, BB98, BD05, BD90, BJMS17, BEGM05, BdTD11, BJ16, CGLV11, CS96b, Cha00, Che98, CL09, CFG97, CG98b, CG06, CFL07, CH03, CLG93, CS96c, CHLS00, CDH12, DBW15, DHT01, DDV04, De94b, DK05, DHST05, DW15, Djo08, DD14, EW13, Fie95, FF99, FH93, Fri05, FT07, GS94, GLS94, GOS15, HL08, HH98, HMT10, HPS15, HPJ03, IM16, Jia95, Kag94, KC94, Kau93, KN98, KM14, KH13, KM96, LP89, Lawl13, LGOC08, LM98a, Li93, Li02, LNTX11, LNTX13, Lu95, Lu98a, Meh04, Mim00, Miy14, MN97, ND06, Nof17, PAP00, PP05a, PP05b, Sen06, SHS03, SV00, Sun95b, SW98, gS00a, TY02, Tis01a, VGV09, WE94, Fri05, FT07, GS94, GLS94, GOS15, HL08, HH98, HMT10, HPS15, HPJ03, IM16, Jia95, Kag94, KC94, Kau93, KN98, KM14, KH13, KM96, LP89, Lawl13, LGOC08, LM98a, Li93, Li02, LNTX11, LNTX13, Lu95, Lu98a, Meh04, Mim00, Miy14, MN97, ND06, Nof17, PAP00, PP05a, PP05b, Sen06, SHS03, SV00, Sun95b, SW98, gS00a, TY02, Tis01a, VGV09] Generalizing

[DTGVL05].

Generate

[JOvdD03].

Generated

[IZ04, Tre88a].

Generating

[AKP08, Ser96, vdM05].

Generators

[Pil94].

Generic

[CO12, COV14, Cho10, DD08, DD16, DBL15, Ste08, SD09, VNYM14, WC14, IM95].

Geodesics

[Bry17].

Geometric

[AFPA07, BD93, BS10, CR16, CF00, DQ02, DL02, EEK97, EEEK99, FS18, FL18, JK95b, KN09, Lim13, Moa05, ML98, NQ014, ZP18].

Geometry

[BDD13, BF06, EAS98, QCL16].

Give

[Nie10].

Given

[BH90, CPT09a, HP09, Nae93, Pe09, Whi00, IX96, YB91, fD05, BN88, HPR98].

Givens

[DV08b, GO95].

Givens-Weight

[DV08b].

Global

[BBT05, BBTO6, BBTK08, BM01, CG03a, DRL10, FP08, Gow96, WC14, WCY15].

Globally

[Auc91, LUC18].

Glued

[PV09].

GMRES

[AG14, BJ05, BG05a, BR08, BW97, CG15b, ES12, FL13, GP06, HY110, JRG09, KN00, Lie00, LS04, M11, Meu17, Mor95, Mor90, MH15, NRT92b, PRS006, RY05, SEM13, TM12, Toh97].

GMRES-Equivalent

[Ku00].

Goal

[BvdG11].

Goal-Oriented

[BvdG11].

Gohberg

[AG91a].

Golden

[Lim07].

Golub

[Ari13, HPS15, Mol92].

Good

[MMM06a].

Google

[WW08, LM06a, SC05, WI09].

Graded

[Li05].

Gradient

[AV91, BM00, BES98, BO66b, CFT16, CYA+18, DFT92, EG00, FAT16, GRT07, GMN16, HS10, KL08, KN09, LH05, MMH94, NOZ11, YBZC16, GS92].

Gradients

[CG03a, GTPTT14].

Gram

[PRS06, BP92, Di09, GGL04, GMRS00, HI15, Ste05].

Graph

[AR93, AL98a, BSS10, CR16, CFT16, GFT92, FAT16, GRT07, GMN16, HS10, KL08, KN09, LH05, MMH94, NOZ11, YBZC16, GS92].

Graph-Theoretic

[vdWM95].

Graphs

[BJL98, Fie00, FT16, GTJ13, KN99, Lew91, Pe09, PSL09, Pow88].

Grassmann

[Mac99].

Grassmann

[CDH12, ES09, LE02, QZ105].

Greedy

[ABM+17, CB00, MHG17, NR99].

Green

[HK08, Nak01].

Greville

[ZZL02].

Grid

[DFT92, PV17].

Grids

[BHL+93, RW94].

Gröbner

[BDD14].

Ground

[Bar08].

Ground-Based

[Bar08].

Group

[BT06, DS17, DJ09, G008, Jia98, Kir95, KNS97, KN98, Lew96, Moa02, ST01].

Groups

[DL03, HMM04, HMM05].

Growth

[BZ98, DT11, Gou91, KNX04, KMS01, KMS03, Ran07, SST06, HH89].

Growth-Factor

[DT11].

GSVD

[WXZ16].

GTH

[OW96, Sen98].

Guarantee

[FM93b].

Guarantees

[WCCL16].

guide

[AdHN88].

Guyan

[BB96].

Gyroscopic

[JW11].

H

[KZ10, Mol92].

Hadamard

[BZ07, BG13, CDP94, DMS09, DMS12, FM88, GG02, HMO90, MS91, Mat93b, MP98, Sen06, AZW5, Zha97, ZY93].

Hall

[BS94b].

Halley

[NBG10].

Hamilton

[Mac95].

Hamiltonian

[AK+11, BMMX12, JL98, KMP01, KDA05, LW97, Meh99, MMS16, PLM94, Tis01b, ZH05, vdM001].

Hamiltonian-like

[JL98].

Hamiltonian/Hamiltonian

[BMMX02, Meh99].

Hand
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Hankel [Bez12, CM93, FPST13, GP93, HH93, HR04, MVP05, PK94]. Hard [GG11, HO10, RK95]. Harmonic [Wu17]. Hartley [BF93, HR00]. Hartwig [BV07, LH05, VJ07]. Having [CMPX03, Har99]. Heisenberg [CRR93, Per88]. Helmholtz [OL99, RN18]. Her [GKRV90]. Hermite [ASA04, BFZ07, CJL96a, CJL96b, Kuz15, LHHR95, Per88]. Hermite-type [Kuz15]. Hermitian [LNTX13, AG88b, AKPP08, Ash91, BGY99, BGN03, Ben09, Bin90, BLAK91, BKMS14, BS16, BDF17, Cao00b, CE12, Cha89, CPS00, Chu95, DHST03, DPP13, DH97, ENV92, ESS12, FNS08, Gro97, GHT10, HD97, HBW90a, HBW90b, Hon89, Huh90, JNO9, Joh08, LT89, LM06b, LNTX11, MV97, Mat92, Mat98, Mei04, MMW17, MYK14, MT00, Nic01, Pai10, PK98, Pha01, PR88, PR91, RSS09, RP10, Ser96, SB04, SK16, Ste91b, SH93, Tis93, Tre89, Tre94, Tru06, WZ95, Wim06, Yas03, YXC17, ZH98a, ZHZ05, dF05]. Hermitian-Generalized [ZHZ05]. Hessenberg [BEG09, BEGG07, BGH95, DV07, GL03, GR17a, Kn04, PP11, Ste06, Stu91]. Hessian [Mön11]. Heuristic [AK15, Sal88]. Heuristics [AR93, NR99]. Hidden [MN97, ML89]. Hierarchical [EZ95, Gra10, Le06, LRSV13, QXX14, XX16, Xia12]. Hierarchically [CGP06, HG14, LHC16, Mar11b]. Hierarchies [DK14]. High [DMM03, HLW94, ZG01, JP94]. high-performance [JP94]. Higher [BE03, CG03a, DDV00b, De08a, De08b, DN08, DSD17, GLPS11, HR14, IAVD11, KR02, Men08, Sai16, SQ13, VGA10, Zab89]. Higher-Order [CG03a, DDV00b, De08a, De08b, DN08, DSD17, IAVD11, KR02, VGA10, Zab89]. Highly [Men12]. Hilbert [Lu98a]. Hitting [PCB16]. HOID [Sa16]. Holdability [NT08]. Hölder [KPM90, Wim88a]. Holds [GKL18]. Hollow [CFJKS13]. Homogeneous [SQ13, von93c, homotopies [WBP89]. Homotopy [CHZ16, CLS88, DYY16, LKK97]. Hopf [G001b, MS10]. Horizon [Os09]. Hottopixx [Gil13]. Householder [CB90, Dub00, GBCW89, RS88]. HSS [CDG+07, LGWX12]. Hybrid [Cav94, GRT07, HO94, NRT92b]. Hyperbolic [AH16, BHP03, CB90, DS17, GHT09, Par05, Ple06, RS88, SS98, 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]. II [HO10]. II [BL13, Bap98, BDMS12, BBM02b, CJL96b, Car94, CM92b, De08b, DG91c, DD13b, DV08d, EK99, Gut94, Ito96, KMS03, LLZ09, Li98b, Mur93, Rum03b, SDD15, YY11, ZS04]. III [D08]. III [BGT14, ES12, Fos03, Kil99, KO01, NV02, PAP00, DSL08, DK88, FGS96, Rum91]. Ill-Conditioned [NV02, PAP00, FGS96, Rum91]. Ill-Posed [BGT14, ES12, Kil99, KO01, Fos03, DK88]. Ill-Posedness [DSL08]. ILU [BW99]. ILUs [BS02b]. ILUT [SZ99]. Image [BBTK08, NNP04, RHE14, ZGP10]. Images [CR96]. Imaginary [MS10, Sch95a]. Imaging [BN06a, HKBMO8, KBHH13]. Immanant [CL99]. Immitance [BLAK91]. Immitance-Type [BLAK91]. Implementation [DW06, Day97, GMS92]. Implementations [Bé09, Fuh07]. Implications [LT97]. Implicit [DGSW06, DSSC11, FSV14, Jam92, MT15].
FHS+94, GG02, GN13, GITT96, Gov91b, GTI11, Gre05, GHL03, GH06, HLW05, JS07, KM16, Kau92, KK12, KosvdD07, Kir95, KNS97, KN98, Kn04, KN91, KLX07, Lan07, LZ14, LGL16, LM03, Lu10, MMS94, MSZ03, MH13a, MS10, Men92, NV94, Nab99, Ogi10, Ors06, PDF16, Pat00, RSS09, RW01, ST01, SW98, Tan99, TW00, Vec03, wVJbqJ11, Wan98b, Wei96, WLB05, fX96, XSW10, YBZC16, ZWF05, vD99, FM88, KY93.

Inverses [BMF05, BM02, BS02b, CLG93, Djo08, ES08, Eln92, HH93, HR00, KM96, MNST96, SH503, LP89].

Inversion [AHH01, BLNT13, BC10, CM93, GR17b, HH94, PK93, PK94, PW03, RS92, Ste91a, XXCB15, ZZ98b, CJL96a, DV06a]. Invert [FS10, HL06]. Invertible [WCW10]. Inverting [FP16]. Involuntary [IZ04].

Irreducible [Art96, FG94, GR93, Kir95, LGL16].

Irregular [GLS12, RW94]. Isometric [FN08, HKV]. Isometries [BMVR+97].

Isometry [BT10a]. Isotropic [Kre95].

Isotopy [MOR04]. Issue [DCM80, Isp06, Isp09]. Issues [Art90, Me04, Mst08, SV97]. Iteration [Ben09, BMS06, BX08, Dan91, ESR01, EW13, Emb99, KZ10, KO14, LS96, Lel01, LWYW14, LGL16, Lu05, MOR04, MOR16, MS10, MP11, MH13b, MH15, NGB10, Not03, Nou96, RSS09, RS08, Saa16, SvdV90, SY98, SX11, TP14, XE10, YGM09, Yl97, ZHY16, de 2, AdHN88, BF89, Lag91, San88].

Iterations [AVM04, AV01, BK05, Cor94, HQMT05, HN09, Iau09, IKS10, NS07, NRT92a, NH12, NOZ11, STT17, ZZS04]. Iterative [AH07, ADR92, AG00, BN06a, BN06b, BG07C7, BV01, CR96, Ca00a, Ca08, CE02, CPTP09b, CG96, DHT01, DGSW06, ET10, EL91, FS10, FN08, GLS12, GL17, GR15, GV09, GRK17, GLO0b, Gu001a, GH07b, HHRV99, HLT12, Han94, HO92, HV05, HZ01, Jam92, KL91, KS99, KO01, LHHR95, LX1206, Ls02, MNR18, MG92, MS02, MR97, NP02, NY95, OL99, PAP00, Pan91, RW92, SWZ11, Ts01a, Wei95, Wo93, XE10, dKv10, AdHN88, BY88].

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

Jacobian [CS99a, DV92, Drm96, DV08c, DV08d, Drm10, DK08b, Hac93, Har07, HM89, HPS15, HP02, HKP05, HN09, LV13, KH04, Kn94, LUC18, LR05, Ma95, MV08, Mas94, Mas95, Mat09, Mat95a, Meh04, Meh08, Not05, Nou96, SS89, SvdV96, Sta02, SX11, fX96].

Jacobi-like [Meh04].

Jacobi-Simplex [LUC18, MV08]. Jacobsian [HK10]. Join [BV18].

Joint [Afs08, BN05, BN10, CSX15, CL17, Jh08, JCG14, LP00, Pha01, PJJ10, WA07].

Jordan [WW08, BFZ07, MM07, MV17, MBO97, MD03, SC05, Ste13, Wel11].

Kaczmarz [MNR15, ZF13]. Kahan [Zhe98, Ari13, HS15, Zhe96].

Kähler [JV16]. Kalman [KMN11].

Karcher [Zha17].

Karlson [GJTP12].

Karmarkar [MS97].

Kaufman [DT11, JP93].

Kawasaki [FP17].

Kernel [AC17, BWQ06, MT10, PP05a, SB95].

Kinematic [GK99]. Kinematics [DS17].

KKT [FJ97, IKSG10]. Kleinman [FHS90].

Knopp [Kni08]. Known [AD02].

Kohn [WW14].

Kreiss [TT99].

Kronecker [BT13, HC89b, Zha95, Bar98, Be01, BS15, BT12, DD07, D08, EK96, FF94, FGP00, aIGP98, Gre05, HL17, HC89a, IT11, KN00, MV07a, NN04, RHE14, SB03, de 90].

Krupnik [Ikr97].

Krylov [St02, BER04, VM15, BG15, BR05, BF05, CFT16, DMR09, DK98, DSZ14, ESS+12, EN08, Ern00, FGS14a, GGL13, GGI14, GOR14, GT11, GIPTV16, GMN16, GS00b, GS15, GS17, G18].
[EM15, Sal88]. **Limited-Memory** [EM15].
**Limiting** [BK15, DD10, DK08a]. **Line**
[HRV99, HK01, RCH08]. **Linear**
[ADC04, ABG07, Art96, AGL98, ANT09,
Bai99, BGN03, BL12, BL13, BDHS11,
BFZ07, BFM10, BEBT07, BF06, BGT14,
BES98, Bom00, BN06, Bor03, BT92, BF05,
BCW12, CT91, CP03a, Cao08, Cap98,
CP03b, CE02, C95b, CS98, CG98, CG03b,
CG+08, CPTP09b, CH93c, CFL17, CRR93,
CG11, CC92, CHLS00, CG96, DGM00,
DK05, DTM05, DD12, Din98, DS16, DS95,
DLMT13, ENV92, EHVp04, EGTP17, ES12,
ES92, EG00, EL91, FM93a, For96, FS01,
FHLS13, FL99, FNS08, FKL13, Gar90,
GL03, Gil13, GLT96, GKK99, GRT07,
Gow90, GS94, GS02, GR15, GT11, GJTP12,
Grc10, GCL16, GV90, GU98a, Gu98b, Gu98c,
GAB08, GHL03, GHR95, GW92, Gui95,
HLT12, HL08, Han94, Har05, HH92, HPS13,
Hl91, HLM94, HJ89, JT98, Jot92]. **Linear**
[Kan96, Kar11a, KGW00, KLR98, KC09,
KS08, KO14, KJH16, KT10b, KT11, KLX04,
LW02a, LWX06, LNS17, LNT18, Loe90,
Lu94, Lu95, LT94b, MNR18, Mal03, MP95a,
MG92, MV07b, Mat92, MR97, Mee03, MB10,
MMS16, Men12, Mim15, MN97, MPS98,
MP00, NV94, NRT92b, Naj98, Neu00,
NY95, OST08, PS05, PYHK03, PP05b,
PFR17, PR88, Pop12, Pop15, QL99, RT93,
RK95, Roh03, Rum12, StvDD17, Sch05,
SS91, SWZ11, SvdV96, SvdVM00, ST14,
Ste10a, SJ92, T91, TV09, TET05,
VBV98, Ven93, Wei95, Win88b, Wri95,
XCG10, XXG12, ZHX05, ZXL14, vdES04,
All89, ADD89, Ash91, BDV89, Cru88, Mit89,
Pan91, Qia88, WBP89, Win88a].
**Linear-algebraic** [CRR93]. **Linear-Time**
[Bom00, DD12]. **Linearization**
[HLT08, HMT09, LC15a, LV16, MBS17, SB11].
**Linearizations** [AB16a, BdTD11, BDF17,
DDM10, HMT06, HMTT07, LP17,
MMMM06a, MMMM06b, NNT17, RRV17].
**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, CYA+18, FGM91, FP16,
GS03, Usc12, Gad88, Sun89]. **Locality**
[Tol97]. **Localization**
[BF89, BH13, CE12, CKP11, Pe901].
**Locally** [Cap00]. **Locating** [BN13].
**Location** [Lin03]. **Locations** [BB98]. **Log**
[DGIM15]. **Log-Det** [DGIM15]. **Logarithm**
[CR16, CHKL01, D00, FH18, Hig01,
KL98a, Zim17]. **Logarithmic** [BE03,
HGC99, HGC00, NNF14]. **Logarithms**
[DMP96]. **Look**
[AD98, GR00, SK95, CH92, CH93a].
**Look-Ahead** [GR00, SK95, CH92, CH93a].
**Loop** [Ber09, Guo98]. **Loop-Based** [Ber09]
**Lorentz** [AYLR04]. **Loss** [BP92]. **Lossless**
[RD95]. **Low** [AG88b, Asw16, BKS18, CS09,
COV14, CP03c, DLP05, Dax08, DD07,
DD16, DL17b, ES18, Fou18, GG11, GQ14,
GL13, IAVD1, IAV13, IUM14, JK11,
KT12, KB90, KL07, Ko03, KO15, KK17,
KT11, LC16, LW02b, LS17, Lie08, MU13,
MD03, NS11, Nic17, OSS14, PTC13,
SCP12, SS10, SC10, Ste08, Ste13, STT17,
Tas15a, TYUC17, VV10, VYH11, WC15,
WCC16, XLS16, ZZ99, ZZS02, ZZS04,
dSL08, dTDM08, vdV96]. **Low-Order**
[KB90]. **Low-Rank** [Asw16, BKS18,
COV14, DLP05, Dax08, DD16, DL17b,
ES18, Fou18, GQ14, GL13, IUM14,
K12, KL07, Ko03, KO15, KT11, LC16,
LS17, MU13, NS11, OSS14, SCP12, SC10,
Ste08, Ste13, STT17, TYUC17, VX10,
XLS16, ZZS02, ZZS04, dSL08, vdV96].
**Low-Rank-Plus-Shift** [ZZ99]. **Lower**
[AR93, AW05, BSU15, DSS97, Lás94, LW05,
L06, BMB08, V003]. **Lower-Bounding**
[DS97]. **Lower-Rank** [BB98]. **LSQR**
[Ben99, JTP10]. **LU** [ES92]. **Luk** [YB91].
**Lumpability** [DS97]. **Lur'e** [PR12].
Lyapunov [CT15, BES15, BH90, BD05, BC88, BN87, CFL07, CH97, DL03, EW13, HS95a, HP92b, KO15, LS10, LW02b, RDC93, SS17, TCTM00, TV09, VV10].

Lyusternik [MBO97].

M [GL03]. M-Matrix [GL03]. M. [Ikr97].

Machines [SYJ00]. Magnitudes [Nie10].

Maintaining [BBM02a]. Majorization [M].

Majorization-Minimization [Zha17].

Make [JRG09]. Manifold [Bry17, DL02, Din98, Fio11, LE02, Zim17].

Manifolds [CDH12, LWW15].

Manufacturing [CCZ97]. Mapping [M].

Mappings [Gow90, VZ06].

Maps [CS96c, FHLS13, Loe90]. Marginals [SH91b].

Markov [Bar93b, Bar00a, BF11, BHKR11, Bor99, BPS05, Bu00, Br07, CZZ7, D97, D05, D93, ES08, EHW10, Ger95, HO98, IM94, Kir92, LP89, LM06a, LF01, LX12, Li92, Mas16, Mey94, O'C02, OW96, ST01, TVW15, XG98, Zha93b].

Markov-Modulated [CG92, ChL00, CW96, CKP11, CB90, DD14a, DD14b, Dan93, DS97, De 08a, DL02, DP10, DP15, DMS09, DMS12, DMS13, DG91b, DG91c, DV07, DV08a, DV08b, DD10, Den99, DHT05, Di 09, DD12, DMP96, DE99, DPP13, DZ01, DK06, DGM15, DY10, DK99, DK08a, DK08b, DL17b, E97, E99, EL05, EL08, ES08, ES12, EN08, EM15, F10, FG00, FHG06, FLV04, rF006, FKKL96, FI18, Fer98, Fie95, Fie00, FF99, Fio11, FSZ14, For96, FHL93, FNV08, FMFJ18, FC01, Fri92, FH94, FG94, Fri02, FT16, FGS14a, FIS01, FJ06, GLS12, aGP98, GSCS15, GP06, GT04, GLPS11, GR17a, GHN93, GITT96, GI00, GJ01, GW07, GMS92, Gl13, GKL18, GS06, GXX94, GN03, GT08, GS10b, GK06, GCL16, GPTV16].

Matrices [GR93, Gro97, GP03, GLV10, GWZ05, GZ09, GZ15, GP16, GW00, Guo01b, Gup02, GR97, GLP01, GP04, Hac93, HNT99, HB94, Har05, Har93, Har08, H93, HH93, HH94, HR04, HL94, HK09, HMT93, HS90, Her96, HHS97, Hig92, HBW90a, HBW90b, HDR10, HPS15, HG14, HS13, Ho91, HLT91, HLM94, HLS97, HHH97, HC15, Huc92, Huc94, Huh01, Huh02, IM13, IN09, IW14, IT06, I04, IMM94, JR99, Jia98, JN93, JT98, JOv03, JS04, JS07, J10, JSG15, KC94, KN00, KE2, KE1, K13, KSH13, KSH02, Kir92, KNS97, K15, K17, K93, K93a, LS09, LS10, Lat95b, LP96, Le 06, LC15, LC16, Lew91, LGS09, Li91, LT94a, Li02, LM02, LF02a, LW05, Li05, LPS08, LGXW12, LS04, LT09, LW97].

Matrices [LOvD02, LC05, Lin11, LZ97, LZ05b, VV15, LW94, LB96, Lu98b, MMT08, MM11, Mc98,
Mai99, MS02, MMS94, MSZ03, MNT10, MV13, Mat09, Mat92, Mat97b, MOvdW89, MNST96, Mel99, Mei92, MPS01, MTO0, Moa05, MN97, MP98, Mön11, MBO97, Mur91, Mur93, MP95b, MNT99, Nab99, Nab00, Nab01, Næv93, NS96, ND06, NP99, Nøt96, OV99, OI93, Orion06, OST09, Ose10, OW95, PK93, PK94, Pan16, PDF16, PLM94, Pat00, PM06, Peñ95, Peñ98, Peñ01, Per91, PW14b, Pse14, PW15, PT05, Pfl01, PR91, PW90, PJB10, Pro13, PL14, Pfl13, RN18, RVA05, RD95, Rei91, Rei02, RR98, Ric92, RS92, RW95, Rod05, Roh93, Roh94, RSS94, RODS15, SZ99, Saal16, SST06, SCPW12, SK95, Sen98, Sen99, SHY10, SWYM96, ST08. **Matrices** [SB05, SEM13, SM16, Spe98, SCA12, Ste04a, SV97, Ste16b, Stu91, SB01, SB95, Sve93, TY02, Tig91, Tre94, Tre05, Tru06, Tu02, VFGM05, VHL6, VP93, VTB0, VJ07, Wil03, WZ95, Wan86, WA07, W94, Wil08, Wil09, WT11, XLS16, XG10, XX17, XSW10, YL00, YL08, Yas93, Ye09, YXC+17, ZZ99, Zha00, Zha98, ZY99, Zha01, ZZ01, Zha03, ZF90, Zha17, Zhi12, ZZ98b, Zie95, ZZTA02, dF05, dSV01, vdHvdV00, dV99, vdMS05, All98, Auc98, BY86, BH96, C1996a, CF89, Che92, DGG09, D95, Ded88, FF93, GP88, Hav89, HM89, HPR89, HRS98, HS88, Hon98, HC89a, HC89b, Ikr97, IM95, JN98, KP94, KN98, KN94, MP88, ML89, Per88, PR88, PSL90, RR96, Rum91, Stu88, Stu98, Tre88a, Tre89, W88a. **Matricity** [GG13], *Matrix* [AS93, ALAK94, AA09, Afs08, AAB10, AMH09, AMH10, AB16a, AMV97, AG91b, AW10, ACL93, AT98, Ano11, AW98, AH14, AH16, AKP08, ABF16, AG00, Art03, AHH01, AW05, BD98a, BA99, BBD16, Bar00a, Bar94, BLdP97, BL94, BL00, BKS18, BF99, BT12, BT13, BV00, Bei12, BB96, BD93, BM94, BF93, BM96, BNS13, BMSV92, BL91, BM06, BKMS14, BKMS15, BS16, BHR10, Bor14, BW99, BL10, BF05, BG13, BX05, BD95, BZ00, BC92, BdTD11, BDF17, BGN12, BH97, CSX15, CGHR07, Cao00b, CR16, Car94, CG03a, CH93a, CS10a, CT93, CMPX03, CHKL01, CD00, CCG+09, Chu95, wC03, CH06, CHW10, Cla10, CD98, CG10, CR10, DH03, Dax08, De 06, DD99, DD08, DD16, Dem92, DRSZ07, Dhi98, DT08, Dic00, DP00, DMR09, DK14, DK15, *Matrix* [DS10, DD13a, DJ09, DMM08, DH97, Dmn00a, DK98, DLT15, DK01, EK97, EK99, EEG11, E98, ESR01, EK96, Elt92, EK17, FL02, FZ16, Far16, FH15, FH18, Fay95, FPST13, FH17, Fer97, For03, FV98, FP16, FT07, FH10, FLK13, FGS14b, FLSS17, GPM03, GH91, Gei91, GL03, GIK95, GI97, GL99, GT17, Gl94, GG11, GK15, GT13, GH90, GV00, GMRS00, Gov91b, GR17b, GT00, Gro98, Gd108, GKL95, GO11, GL14, GLM17, Guo98, Guo01a, GH6, GKL12, GR05, GN16, HL12, HM04a, Har99, HLW05, He99, HR00, HO10, Hey95, HO98, Hig92, Hill95, HK95, HT00, Hig01, HK01, Hig03, HM96, HM97, HMR05, Hig95, HT06, HMLT07, HM99, HL11, HL13, HR14, HS16, HGC99, HGC00, Ho90, HS95a, HI15, Hu92, Huc92, HGL04, HL02]. **Matrix** [HKBM08, HC99b, Ian06, Ian09, Ikr97, Ito96, IM16, IS07, IT11, JS94, Jia01, JMO93, Jovd03, JN11, JOAKt10, KKS97, Kau93, KB90, KL91, KL98a, KO18, KP08, Kir95, KN98, KNOX02, KRU14, Kol99, KN91, KPC94, KMS15, Kra95, KL13, KL98b, KLS16, LP01, LMZ03, LP05, LN92, Lau00, Law13, LP17, LT97, LV06, Lew96, LR94, LY03, Li06, LBL05, Lie08, LT09, Lim07, LX06, LNP93, LW15, Lu98a, Mac99, MV97, MMD96b, Mar11b, Mat93a, Mat95b, Mat96, Mat97a, MSZ15, Mei04, Mei04, MK14, NV94, NRT92a, NBG10, NNT17, NTTZ18, NS11, NK01, NS09, NST15, No17, Nøt96, Ogi10, Ost10, OW92, PAP00, Pa09, Pa10, PP11, PW14a, Pål11, Pan93, PYH93, Par05, PV09, Peñ01, yPWjP12, Pil94, PS08, PL14].
Matrix

[QS06, Qi13, QCT15, QCT16, RS96, RR94, Rau02a, Rau02b, RE13, RS06, RVV17, RE98, Run97, SCPW12, SD16, STvDD17, Sch05, Sch95b, Sch96, SC05, Sev03, SMBJS13, SC03, Sid95, SC10, Smi03, So92, ST01, SDC^+12, SU94, Ste91b, Ste16c, Ste18, SH93, SV15, SD12, Tam98, TFL11, Tsa15b, TDV15, Tho94, TL06, Tis93, TZ13, TT98, TT99, Tre90, TW03, TYUC17, Tro90, TU91, Tsm93, VVM05, VBW98, Vec03, Ven93, Vog99, Wan98b, gWcWL12, WY17, WLB05, WS12, WCC16, Whi90, WD95, Wim92, XX16, Xia12, fx96, Xue96, YLA97, ZMK02, Zha91, Zha95, ZHZ05, ZGP10, Zhe96, Zhe98, Zim17, vdv96, von93, AdHn88, Bg95, BMO92, Bg89, Ber88, BHH88, BN88, CS89, CLS88, DV06a, FM98, Gad88, GL96, HJD97, JM Wr6, JJ88, JN89, JovdD89].

Matrix

[JH88, KL89, LG06, Liu88, Naz89, Ove88, OW88, 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, GTI11, HR00].

Matroids

[Mor94].

Max

[BSvdD95, BCGG10, BJ16, DD98, HT17, Hoo17].

Max-Plus

[BJ16, DD98, HT17, Hoo17].

Maximal

[RSS94].

Maximally

[EG15].

Maximization

[Fuh07, LWW15, VBW98].

Maximum

[BW95, BE10, Bg03, CD14, JR08, OR93, YLA97, Ove88].

Maxwell

[CHH^+15].

Mean

[BBT07, BD93, BS10, CR16, FI18, HL08, JV16, Lim07, Moa05, Zha17].

Mean-Square

[HL08].

Measures

[BK15, BGMN15, DRSZ07].

Mechanics

[CGS94].

Media

[BKKL91, CHH^+15].

Meet

[Mac95].

memoriam

[Joh96].

Memory

[ADV05, EM15, LHC16, KP92].

Mendelsohn

[AL98a, IM95].

Meromorphic

[ALAK94].

Mesh

[vdBvdV93].

Meshes

[Ten97].

Metabolic

[LS95].

Metamorphism

[Van11].

Method

[AGJ14, Ain17, AT07, AM09, ABM^+17, An01, BBS15, BDY99, BS05, BV90, BBT08, B15, BF00, BGSC07, BGT05b, Bg05, BRgl92, BMRZ94, BHM97, CS01, CFT16, CD15, CGLV11, CP11, CH93c, CD17, CG98a, CYA^+18, Dau91, DHT01, DD97, DE92, DYY16, Drm96, ESR01, ES09, ES18, Eg00, FJKM96, FAT16, FS09, FS10, FSV14, FLSS17, GLS12, GTJ13, GG14, GH07a, GTP114, GRK17, Guo98, GL00a, Guo01a, GH06, Hac93, Har07, HMT93, HS10, Hig92, Hig97, HK01, Hig05, HP02, HKP05, HN09, HGL05, HV05, Hs12, HZ01, Huc94, Huh02, Iam06, IT06, JMM14, Jg92, JN03, Joh08, KMM18, KL92, KP08, KM11, KM14, KO15, Kui00, LLZ09, LM98a, LY03, LZ05a, LV10, LR05, Lu98b, LP13, LK97, LE02, MV08, Mas95, MOR16, Mat09, MR97].

Method

[Mee09, MB10, 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, vVJbt11, Wal95, WC14, WCY15, WS00, Wi05, XCG10, Xu05, XQ08, XE12, YBC16, Z94, ZZ98a, ZH03, Zha10a, ZH17, de 92, dVhvdV00, vdM05, vdV96, CS09, CLS88, HL06, KN98, Meh88, SS89].

Methods

[AL95, Bai99, BGN03, BWQ06, BN06a, Bar08, BV92, Bar93a, VMM15, BN06b, BBD11, BM99, BE898, BHM00, Bg14, BV01, BM02, BF05, Br07, BGBM92, BGBM93, BCW12, CR96, Cao00a, Cao08, CG92, CH16, CG10, CH99, CG96, DFT92,
Drm10, ENV92, EHvP04, ESS\textsuperscript{+}12, EN08, Ern00, EL91, FJ97, FG97, FM90a, FSO1, FS97, FNS08, FG14a, Gar90, GGLN13, GOR14, GR15, Gre97, GV99, GMN16, GS03, Gu00, GMO\textsuperscript{+}06, GR00, Gu14, HHHV99, HJ07, HY10, He99, HXY11, HS95a, HO92, HK12, JK95a, JK97, Jan92, Jia95, Jou92, JCG14, Kan96, KL91, KO01, KO8, KT10b, KT11, KV14, LWXZ06, Leh01, LS17, Lu10, MNR15, MNR18, MG92, MS02, Mat95a, Mes08, Mor00, MH13b, MH15, NP02, Ors06, PW90, Pl06, RS02, Saa97, SS13, SWZ11.

**Methods**

[Sid95, Sim00, SV15, SJ92, WY17, Wei95, Whi00, Woz93, Wri95, ZZS04, ZHY16, dBG08, vdG93, vdES04, AdHN88, BY88, FGS96, GL96, Wri97].

**Metric**

[Bar00b, BD10, BS10, BDST08, Zim17].

**Metrics**

[QZL05].

**Meyer**

[IK06].

**MGS**

[PRS06].

**MGS-GMRES**

[PRS06].

**MIMO**

[DSZ14, GVV04].

**Minc**

[Lat95b].

**Minimal**

[BEGM05, BMOvdD04, BdTD11, DDM10, DS10, FJKM96, Fio11, HP09, IM16, OV99, Par92, PR01, Pey01, Sch95b, SMBJS13].

**Minimal-Distance**

[Fio11].

**Minimax**

[Ash91, IM95].

**Minimization**

[BL12, BL13, FPST13, FM93a, HN98, NNF14, Zha17].

**Minimizer**

[CS10b].

**Minimizers**

[FGM91].

**Minimizing**

[BDHS11, CG96, Ern00, GV07, LP11, Ove88, OW88].

**Minimum**

[ADD96, BS90, BHH\textsuperscript{+}08, Dax08, HJ07, LN14, MV97, Mat05, PP05b, Wat92a, WS12, All89].

**Minimum-Residual**

[HJ07].

**Minkowski**

[ML89].

**Minors**

[KMS01, KMS03].

**MINRES**

[KS99, PW15].

**MIQR**

[LS06].

**Mirrorsymmetric**

[LF02b].

**Mirsky**

[Fou18].

**Missing**

[GG11, MU13].

**Mixed**

[DP07, GK93, IT11, Mur98, PS04, Ver96, FX96, ZK17].

**Mode**

[LF02b, Ste10a, GMBS12].

**Model**

[ASvG17, BB12, CGGS99, CGS01, CD17, CCL09, FL18, FST\textsuperscript{+}13, FG15, GV99, Gil13, GAB08, JK95a, LF91, MIMJ11, SS17, Ste08, SD09, VGA10, Ver96, ZP18, KN94, Liu88, Tsa94].

**Modeling**

[BH93, HV05].

**Models**

[BCR11, GQ14, KNX04, PL14, SH91b, GBCW89, HJ89, Sal88].

**Modulation**

[Sch95a].

**Modification**

[AB16b, GE94, RBB90, VY11].

**Modifications**

[CFG98, DH01, DO05, GV07, BK89].

**Modified**

[AG88b, BP92, CH98, GGL04, LZ10, PAH17, RDC93, S03, PR06].

**Modifying**

[DH99, GW92].

**Modular**

[BvdG11].

**Modularity**

[FT14].

**Modulated**

[CCZ97, LX12].

**Modulus**

[GR93, ZHY16].

**Modulus-Type**

[ZHY16].

**Moment**

[BH93, KO14, Tis93].

**Moment-Matching**

[KO14].

**Moments**

[Ai17, DA05, Hel95].

**Monotone**

[Au00, CdS90, CS96c, Kran95, KH13, Mas16, Tig91].

**Monotonic**

[GL10].

**Monotonicity**

[Bor03, CHLS00, HH93, HH94, Pat00].

**Morrison**

[Rie92].

**Most**

[WD95].

**Movable**

[GT02].

**MR**

[CH93a, GI97, HC89b, Zha95, Ikr97].

**MR2179674**

[WW80].

**MSOR**

[HMT93].

**Multiband**

[MNT10].

**Multicoloring**

[Har93].

**Multiconductor**

[LF02b].

**Multidimensional**

[HK08, ZMW17].

**Multifilter**

[Jia01].

**Multifrontal**

[ADLK01, AP02, ADV05, DD97, LB96, PL97, XCG10].

**Multigrid**

[BWQ06, CD17, DYH06, DSS11, ES18, GAO7a, HK12, Pul13, TW00, TMN10, VZ06].

**Multilevel**

[ADC04, BM02, BW99, Buc00, BrD07, CT99, DK00, EV06, FMFJ18, GTW00, KCT90, Le 06, LS06, Not06, SZ99, XLS16, Zha01].

**Multilinear**

[BB08, BLNT13, BFP95, DDV00a, De 06, DSD17, ES09, ES11, GLY15, IAVD11, IAV13, KZ17, SD15a, SDD15].

**Multiparameter**

[DYY16].

**Multiple**

[AAB10, BM00, DH01, GRT07, HPS13, HPS16, JRZ99, KSN92, KPM09, VV15, MB10, MB17, PCB16, SH91b, VZ06, WL06, Sun89].

**Multiple-Rank**

[DH01].
Multiplication [BBD+16, BMSV92, HR00].
Multiplications [Hig92].
Multiplicative [DM04, RW01].
Multiplicatively [SM16].
Multiplicities [DD16, JK95b, JS04].
Multiplicity [FL02].
Multiplying [Hig92].
Multipliers [CDP94, Nie10].
Multipoint [ASA04, FG15].
Multiprecision [FH18].
Multipreconditioned [BG06b].
Multiprocessor [CG90].
Multiresolution [AKP08].
Multisection [AL98b].
Multishift [ASvG17, BBM02a, BBM02b, DW06, Gem98, KK07, VW12].
Multisplitting [Bai99, BCMM95, FS97, SB01, SJ92, Whi90, Whi90, KN98].
Multisplittings [MPS01].
Multistage [ET10].
Multistochastic [CLN14].
Multivariable [Pal11].
Multivariate [BDD13, CMPX03, DIS15, GMRS00, Han03, JLZ16, Zha10a].
Multiwavelets [Tur03].
Multiway [MBM08].
MUSIC [SES95].

N [GKRV90].
N. [Ikr97].
Nano [GKL12].
Nash [CT15].
Navier [WT11, Ehm97].
Navier- [WT11].
Near [CJL96a, GCL16, GDF01, Har99, BL02].
Nearest [BHR10, Dem92, GHWW90, GLM17, HS16, QS06, Qi13, Rum97].
Nearly [BR08, BW97, DS97, ESS+12, MHG15, ST14, WD95, Zha93b, GL96, Hav89].
Nearness [BDST08, DT08, GKL14, KMS15, SV15].
Necessary [Cor93, Gad88, HQ16, ZWF05].
Nested [BOS13, BHE*93, BT02, Cao00a, HR95, SS91, SV93, Ten97].
Nested-Dissolution [BT02].
Network [AL98a, BK15, GHN18, vdSBvdV93].
Networks [BDR12, FMRR13, FH17, GDF01, IO16, KS15, WSSL06].
Neumann [CLN14, MOC91].
Neville [GP93, GT04].
Newton [KZ10, Bip08, BX08, DS16, ES09, EM15, FHS09, FM93a, GR17b, Guo98, GL00a, GH06, HK01, Iao06, Joh08, KL92, LE02, PTC13, QL99, QS06, Qi13, San88, Tis01a, ZS94, ZS04, Zha10a, ZBJ15].
Newton-Like [GL00a, ZZS04].
Next [Mar91].
Nilpotent [LV05].
Nine [ZFW07].
Nine-Diagonal [ZFW07].
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 [CP00, Ser96].
Nondeterminacy [Kar10, MH95].
nondeterministic [DY90].
Nondiagonalizable [LM06b].
Nonexistence [VNMV14].
Nonfull [Fei94].
Nonfull-Rank [Fei94].
Nongeneric [Van92, VV88].
Nonhomogeneous [Ger92].
Nonincreasing [GPS96].
Noninterior [Kan96].
Nonlinear [AG00, BSFM10, VMM15, BH13, BM96, CCG+.09, Elf13, ESR01, Gui99, Guo01a, GKL12, JMM14, KK15, KS92, LM90, LZ10, MOC91, MH13a, MBN17, PP05a, RRR06, RPG98, VY11, YGM90, ZBJ15, ZPW18].
Nonlocal [CD17, KPC94].
Nonmaximal [FG94, Nab00, Wal03].
Nonmonic [GH91].
Nonnegative [Ano11, Art03, BN10, BCR11, CPZ11, CFJKS13, CK12, FGJ00, FHS+.94, FG94, GGGJ8, Gi13, GK15, GR93, Gru06, HNT99, Har98, HHSW97, JZ99, JMM03, KOSvdD07, KP08, Kir95, KNOX02, Koe05, Koe07, LLS09, Lew91, LGL16, Nab00, NQZ10, NT08, Ors06, PL14, QXX14, QCL16, SGX14, TFL11, YY10, YY11, ZY93, ZHY16, AdHN88, HRS88].
Nonnegatively [BN06a].
Nonnegativity [BH08, KP08, NS94, SW91].
Nonnormal [BES15, GCL16, SCBG06].
Nonorthogonal [CL17].
Nonoverlapping [CG92].
Nonpositive [CKRU08, CFJKS13, HC15].
Nonseparable [Mae98]. Nonsingular [BC92, CRKU08, EG15, NK01].
Nonsquare [BEGM05, CG06, IM16, LGC08]. Nonstandard [RT99, Zul11].
Nonstationary [Mat05, MPS01, SWZ11]. Nonsymmetric [AA94, BMS06, BGT05b, BIP08, BG06a, Cao02, CS98, CZ02, Day97, EN08, GV99, GL00b, Guo01b, GH07b, GIM08, Jou92, JL98, JOAKt10, KK93a, LwCKL13, LX12, Lu05, LKK97, Meh08, Mor00, Nab99, NRT92a, NRT92b, PW15, SHY10, SB05, SW94, VHK01, Aue89, OW88].
Nonuniform [GS03]. Norm [Auj00, BZ98, BE03, CG96, Dax08, FKLR13, GGO13, GGMO17, HN98, HNT99, HJ07, HT00, HGC00, Koh99, Li16, LT09, LV10, Mat93b, Mat95, Meu99, NS11, Pai09, PO03, RPG96, RPG98, TT14, WS12, FSV14, HC89a, HC89b]. Norm-Minimizing [CG96]. Normal [Bea01, Chu91, FKKL96, Fri02, GLPS11, GCL16, Huc94, Huh01, HL02, Huh02, Ikr97, Ito96, Lás94, LK95, Mei99, 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, WX07]. Note [BHL+93, Cao00b, Cao02, CA02, CL07, CT15, DD08, DM04, FH93, GG03, Gro97, KZ10, KP99, LT94a, LM03, Log17, LR99, Mas94, MNT99, Töm02, Zhe98, BM88, San88, Sun89]. Novel [AFPA07, GRK17, RCH08]. NP [GG01, HO10, RK95]. NP-Hard [RK95, GG11, HO10]. NQZ [Ano11, CPZ11]. Nuclear [Li16, LV10]. Null [AD02, AB01, Bar93b, FJ97, GT08, Gos05, Guo02, KSH02, PR16]. Null-Space [FJ97, PR16]. Null-Spaces [KSH02]. Nullspace [IKSG10, Jam92, PW90, SV93]. Number [AMHO9, AW10, ABG07, AW05, BDM10, BDM12, BGT14, Bor10, BV18, CT93, Dhi98, ES05, Far16, GV97, Har05, HR14, KW94, Li06, LP11, LT94b, gS00a].
Numbers [BK06, CD05, CC09, DMC13, GK93, GrC10, KKT06, Kir02, KPM09, NW98, P005, RVA05, SST06, VT98, ZMW17, Ede88]. Numerical [BDHS11, BBD+16, BDD14, BLd93, BBMX02, BGBM92, BGBM93, CDGS10, CH93b, CG15a, Cho10, CG98a, Cro16, CP17, DBW15, DHW92, GLPS11, GL96, GKL81, GPTPV16, Gup02, HB94, KM16, LP01, Li91, LR94, LP00, LW05, Lin03, LR05, MG92, MA99, MYK14, Mês08, MMH94, OovD98, Ors06, Ple06, RS18, RD95, Ste03, Ste11b, Ste18, Swe93, Tre88a, Tre89, TW03, TU91, Tur97, Vav94, Xu05, CJL96a, CJL96b]. Numerically [Fuh07].
Obey [BHKR11]. 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]. Oetlli [May12]. Off [CDGS10]. Off-Diagonal [CDGS10]. Ohta [FP17]. One [Arg15, BV90, BEGG07, Bor09, BB07, DD13a, GTW00, GT17, GE94, JK15, JLS01, LNSU18, MM17, MHG15, PL14, Qi11, SB92, Sle09, Ste10a, Tre90, WC14, Wei92, ZG01, MH95]. One-Dimensional [JLS01]. One-Parameter [Tre90]. One-Sided
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vdSvdV93, DY90, KN89, SS89, Tsa94].

Parallelizable [ZZ98a]. Parameter
[BK15, BKK07, CS01, CGGS98, DP09, HP02, HKP05, JI92, LZ10, MH13a, MMW17, Ple00, SK16, SS17, Tre90, Vog99].

Parameter-Dependent
[BK15, MMW17, SK16, SS17].

Parameterization
[KJH16].

Parameterized
[BT10b, BCW12, CGI10, DBW15, MB10, NS09]. Parameters
[DPP13, FST13, HZ01, KO01].

Parametric
[GS06, Pop12, Pop15, SS17].

Parametrization
[DJ09, DY10, FMX02, Jia01].

Parametrized
[KT11, Mee03].

Paraunitary
[Jia01].

Parlett
[DH03].

Parallelogram
[AA09, AAB10, AT98, BBMX02, BT12, BT13, Bol90, BM06, BKMS14, BKMS15, BS16, BEGM05, CG98b, CG06, DD08, DD16, DK14, DJK17, EEK97, EK96, EK17, GPM03, GT17, H094, HMT09, HGC99, IM16, IS07, IT11, KL98b, LGC08, LV06, LW97, Mels99, MMW17, TU91, NP16].

Penrose
[BC10, FF99, HH93, HH94, Pat00].

Per-Hermitian
[HBW90b].

Perturbation
[ABK11, BCR11, BBGF00, BM06, BEGM05, CGRVC08, CPS97, CP98, CGP03, CS10a, DK14, DJK17, EEK97, EEK99, EI98, ES11, Elm97, Far16, Fie96, FJ06, Gu98a, HY00, Hig03, HC15, IR08, IN09, IM16, JK15, Kåg94, Kar11a, KK14, KPC94, KP99, KMP01, Kre05, LMZ03, LNV92, Li95, L09a, Li98b, Li99, LS03, Li05, LS07, LNTX11, LNTX13, LgS02, Liu12, LR99, LT94b, MO91, Mat93c, Mat97a, Mat97b, MBO97, MD03, Ral09, RRR06, Ste93a, Sun95a, Sun95b, Sun96, gSS97, gS98b, Sun04, TVW15, Vac94, Wan15, WD00, WL05, Wel11, XSW10, XG98, Ye09, Zha93a, ZZ01, dTDM08].

Perturbations
[AG88b, BEG07, BW93, DD16, EK96, GT17, GGM017, HNT99, Kar11b, Li93, MMS16, MMW17, MT15, RS96, RW95, Rum03a, Rum03b, SW94, ...]
WD94, WD95, Zab91. **Perturbed** [AKPP08, ANT09, BBS15, BFZ07, HHH12, Naj98, SEM13, SM16]. **Phase** [CFL17, Mar11a]. **Phenomenon** [Hig03]. **Photonic** [HHLW13]. **Pieces** [CdS90]. **Piecewise** [BET02, Gow96]. **Pierce** [FF93]. **Pipelined** [CYA’18]. **Pivot** [Gar09]. **Pivoting** [BS02a, BT02, CCJ’00, DEG’99, DGGX15, DP05, DP07, Fos94, Gou91, GGC09, Hig97, HS14, IT06, KDGG13, MM00, SS98, Swe93, Tol97, YC97, HH89]. **Placement** [GT17, MX98, Mim15, vdWM95]. **Plane** [AP94, PS88]. **Plus** [BJ16, CG03b, DD98, Har95, HR04, HT17, Hoo17, ZZ99]. **POD** [CFT16]. **POD-Augmented** [CFT16]. **Point** [BG04, BG06a, CH93c, CHZ03, DIN98, DGSW06, Dol07, DJ00, EG15, GGV05, GS10b, GOR14, HR04, JR08, KC09, LV10, LZ10, LP13, Mar91, Mész08, Not14, OS10, PW14b, PR16, PU10, PU14, RS02, SZ07, SHY10, SHZ12, SB04, Tis01a, Tis09, Tum02, Wri95, WT11, XW07, Zul11, Rum91, Wri97]. **Points** [AAB10, BGN12, DPP13, DLK15, GL13, GKL14, O’N90, de90]. **Pointwise** [CRS99, CRS01]. **Poisson** [CCZ97]. **Polar** [BvdMR+97, BX08, Eir00, GL17, G196, HM10, HN10, Kap90, KL92, KZ10, Li95, LS03, Li05, Mat93c, NB10, NH12, NNF14, PI94, YL08, ZMK02, vdMRI01, GI97]. **Pole** [BMU94, FP98, MX98, Mim15, RS08, Sun96, Zab91, vdWM95, CM89, CM92b, GKR89]. **Poles** [GG14, MX98, VGA10]. **Policy** [OS09]. **Polyadic** [DD13a, DD13b, DD14, DL15, SDC+12, SD15a, SDD15, SD15b]. **Polygons** [Fie95]. **Polyhedral** [PI94, VF00]. **Polynomial** [BBD13, BKS08, Bet09, BN10, Bor10, CSX15, DMR09, FJKM96, FLV04, Gem98, HL08, KJH16, Lau00, LC15a, LVV16, MMM06a, Mur91, Mur93, Mur98, NNT17, Re91, SKP11, Sor92, TH01, Wim06, Ash91, BV88, Tre88b]. **Polynomial-Time** [BN10]. **Polynomials** [AB16a, AMVW15, BNS13, BKMS14, BM15, BdTD11, BDF17, BV95, BGH95, wC03, Cla10, De11, DP15, DIS13, EGK91, FLT10, FIS01, GH91, GW07, Gid08, GR05, HM04a, HM04b, HMT06, HMT07, HMT09, IR08, JLZ16, JV04, Kit95, LP01, LP05, LNV92, LP17, LR94, LY03, LT09, Lin03, MMM06b, Men17, NNT17, NTTZ18, NK01, NST15, RS96, RR94, RI11, RVV17, Tas15b, TDV15, TZ13, TT98, XU15, ZZ98b, dSV01, DGIM06, MV88, Per88]. **Polytope** [GWZ05, GZ09, GZ15, JP09, JCG14]. **Polytopes** [GP16]. **Population** [KNX04, PL14, KN94]. **Posed** [BGT14, ES12, Kil99, KO01, DK88, Fos03]. **Posedness** [dSL08]. **positions** [BH96]. **Positive** [AMT90, AD02, AFPA07, Asw16, BGD03, BW95, BJL98, BDR12, BFD06, BD05, BS10, BHH+08, BT92, CS01, Car94, CT08, CCL09, CHL500, DK05, DH203, DY10, EG00, FHHG06, FV98, FMF18, GP06, GT04, GHNV03, GL10, HLW94, Her90, Hu92, HQ16, JMO93, JH02, JOvod03, JH08, JSG15, KOSvdD07, KN91, LLS09, Lat95b, Lam00, Li05, LS11, Lu99b, LQ16, MV97, Mat92, Mat97b, Mel04, Moa05, NS07, ND06, NY95, NV02, OR93, Pei98, Pei05, PT05, Pha01, XQ14, Reu02, Roh94, SMJS13, SH93, Wal03, WZ91, WZ95, Wh90, XG10, Ye09, Zha00, ZWF05, Zha17, Zha10b, vdMS05, AG88a, FM88, HPR89]. **Positive-Definite** [AFPA07, JSG15, KV97, Mel04, Moa05, WZ91]. **Positively** [SQ13]. **Positivity** [BD98b, CKP11, DD12, GP93, LGL16]. **Possibility** [Kol03]. **Possible** [GPS96, TM12]. **Posteriori** [BCW12]. **Potential** [PYHK93, SC05, WW08]. **Potentially** [LOvdD02]. **Power** [BM01, Del97, HS98, HV05, KM11, KM14, KW92, Ran07, TFL11, BN88]. **Power-Compositions** [BM01]. **Powers**
[DD99, HK95, HL11, HL13, IM13, Seb96]. pp [Ano11]. Practical [Lee95, TYUC17]. Practice [Fos94]. Prager [May12]. Prager-Like [May12]. Precise [AS93]. Precision [CD15, HK95, PP11, GS92]. preclude [JJ88]. Preconditioned [ASvG17, Axe92, BN06a, BN06b, BGSC07, CNP94, DFT92, Ehs97, FS10, HS10, HS95a, HSC04, IW14, KN90, KL93a, KL93b, LH05, Pes14, PW15, RP10, RW92, Ser98, SHY10, SX11]. Preconditioner [BG04, BS02a, BW99, CT99, ES12, EZ95, FP17, For03, FMF18, GLS12, GGV05, HT17, JWX03, LS06, ILNS17, RN18, SZ99, SB04, SW08, Tan99, XLS16]. Preconditioners [ACST09, BNW09, BDSCL11, BGH+06, BK95, BG06a, BCMM95, Cap98, CP03b, CPS00, Cho01a, CCZ97, CNW08, DYH06, Dol07, DS16, EN08, GMP92, GO06, Gre92, HO92, KO05, KI99, LG06, LS17, Not14, NV02, PSW12, PR16, SST05, SZ07, SHZ12, TMNV10, TS99, Tytr92, Cha89, KCT90]. Preconditioning [ACW17, AV91, ABN09, Beb06, BOS16, BH03, Ca02, Cap00, DGSW06, DSSCL11, FJKM96, GHL03, HJ07, KGW00, KL08, LRN06, Log17, MT00, NS96, Not06, Pap00, PV17, PS04, PUT0, RW94, RSS09, RS02, Ser96, SEM13, ST14, SCA12, SW08, Vav92, XX17, vD99, Ash91, PUI4]. preconditionings [KY93]. Predicting [Gil94, GS92]. Prediction [Elt92, GGC09, NP96, Qia88]. Predictor [BB98]. Preface [LGPS90]. Prescribed [CE94, CKL04, DHST05, FIS01, NS94, RST94, TDV15, BH96]. Presence [CGGS98, Par94, Wat00]. Preserve [DMS12, Loc90]. Preserved [DV06h, DV06a]. preservers [PR88]. Preserving [BWQ06, BS91, BS94a, BH08, BDF17, FHL13, FT16, GLV10, GL10, HMM105, HL91, HL94, HJP03, HLQ09, KR14, KK17, KS12, KLS16, LX06, LGL16, MSS16, SS06, VZ06, DS95]. Prewavelets [Mae98]. Primitive [GGJ18, Pro13]. Primitivity [Ano11, CPZ11, VF98]. Principal [AR93, Drm00b, JK95b, MTV10, MM00, RST10, XK94, Yan98, dSV01, Özg91]. Principal-Components [AR93]. Principle [RBR00]. Principles [BL12, BL13, Bor03, Aue89]. Priori [AMS07, EV06, Lat95a]. Probabilistic [HI15, KW94, YC97, vDHvdV00]. Probability [Spe98]. Probing [CM92a]. Problem [ASA04, AA94, Afs08, AE97, AHS00, Aru92, BG11, Bai99, BS05, BL12, BL13, Bar93a, BJL98, BBT05, BBT06, BBTK08, BF00, BGT14, BD90, BGT05b, BHP03, BEGM05, BDST08, BMU94, BPDF95, BW93, CE02, CGS98, Cha00, CP98, CG98a, CG06, CH06, CMT09, CF00, CB00, CH99, DBW15, DW06, DD10, DYY16, DO8a, DL17b, ES18, FZ16, Fli02, Gow90, GS94, GSO2, Gu95, GL10, HLT12, HPS11, HPS13, HPS15, HPS16, HP02, HKP05, HGL05, IM16, JKN11, KM16, Kau93, Kau92, KN98, KN91, KMS01, KMS03, KLX07, LZ14, LM90, LGC+14, LM03, Lu95, Lu98a, LZ10, LN14, LKK97, Mac99, Mac95, Mal06, MP95a, Mar11a, MLV00, Mat98, Mee99, Meh04, MX98, MBN17, Mim00, MN97, MPS98, NOZ11, NBS10, PDF16, Ple00, Ple06, Qi13, RW01]. Problem [Sid95, Sun96, SD12, TETA05, VZ91, VGV09, Ven93, Voo12, YHY11, WE91, Wat93, WE94, Wei92, fX96, ZZ98a, ZWF05, ZHL10, ZXL14, ZM17, ZF14, dSL08, BJ95, Pan91, San88, Tis93, Tre88a, Tre89, VV88, VW98, WBP89]. Problems [AT07, ABG07, ACST09, ANT09, ABN09, BDY99, Bar98, BST16, VMM15, BDR12, Ben99, BOS16, BG04, BN06b, BMS06, Bot09, BT10b, BH13, BM96, BES98, BM100, BKK07, BBGF00, Bor10, BS16, BG06a, BGBM92, CGCDM13, CPTP09b, CGP09, CG10, CH93e, CKL04, CHG11, CK91, CC17, CHZ03, CGS94, CSK95, CC92,
Problems [LVV16, LG06, LY03, LS06, LNTX11, LNTX13, MMMM06a, MMT08, Mal04, MH13a, MS10, MBN17, Miy14, MH13b, MH15, MM00, MPS00, NS07, Not14, Ors06, PS05, PYHK93, PSL12, PS04, QL99, QACT13, RT93, RHE14, RS09, Rod06, RPG96, RPG98, RS02, Rum12, RW92, Saa16, Sch05, SZ07, Sei11, SHZ12, SB04, SvdV96, SW94, SB11, Sun95a, SV15, Tis01a, TH01, Tis03, Tum02, Van92, wVJqJ11, Wat01, WD00, WS12, WSO0, XE12, YGM09, YBZC16, ZS14, ZH03, ZLQ12, ZBJ15, ZHY16, Zul11, CS89, CLS88, DK88, GIMT95, JN89, Meh88, MT89, Qia88, Wim88a, Zha95].

Procedure [CW96, GIKT95, GGL04, LSB16].

Procedures [GR00].

Process [Art96, BR08, CRK05, Gut92, Gut94, HKV05, Pai10, PP11, Van08].

Processes [AG00, Cap98, CCZ97, Cla10, DQ02, GdlI08, Guo02, LF02a, LP89].

Processing [Ar92, SFP11, ZRF95, Cri88]

Procrustes [AE97, SB88].

Product [Alt13, Bar98, BOS13, BK90, BmdVR+97, GSV00, GKO6, GR90, HKS0, JOS0, KNO0, Kar11a, KTB0, LS91, LW15, MMT05, MV02, MV07a, MP98, NNP04, RHE14, Sen06, SB03, Van10, Zha10b, ZRF95, FS88, Tre88b].

Product/Quotient [GSV00].

Products [BZ07, BF05, CDH12, FF94, FHL013, FSO1, GHT11, GLP01, GP04, HL17, HM90, HLS97, JR13, MMT08, Mae98, MSZ15, Rod05, Ste18, WZ95, Zha97, HC89a, HC89b, FS88, Zha95].

Profile [PK93, PK94].

Programming [Ari00, AB01, ES92, FGM91, FS01, GS10a, Gil13, HXY11, LT97, LP11, MW01, OS09, PJB10, MT89].

Projected [CF07, GOR14].

Projecting [Din98].

Projection [Bor14, GHHW90, JK95a, Sim16, TP14, ZH03].

Projections [CE02, FN08, Grc10, MOR04, WD00, WZ17].

Projective [Hu92, SA88].

Projectors [GT99, KS17, MS03, RE13, Ste11b].

Proof [Drn10, NV94, PS94, RS18, Bar89].

Propagation [CYA+18].

Proper [SCBG05].

Properties [BSvdD95, B96, BDMS12, BRZ06, Che98, DG91a, E192, FLT13, GHK00, 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, ML89, VV89].

Property [DRT91, JWX03, LT97, NNF14].

Proportional [BGMN92, CCH98, KLX04].

Proximity [KT0a].

Pseudocontractions [SB01].

Pseudoinverse [LC16].

Pseudoinverses [DS17].

Pseudomonotone [G90].

Pseudoperipheral [GPS90].

Pseudopolynomial [GHNV03].

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].

QTT [DK13, EKD16, KK12].

Quadratic [A17, AW00, Ari00, AB01, BS05, BBT06, BH90, BT0b, CKL04, CCL09, DL03, FGM91, FS01, GP97, GHT09, GL10, HK01, HGL05, HLQ09, KLX07, LP01, LZ14, LV92, LY03, LS11, Lin03, Mat98, Mee09, MP11, NK01, Ple06, QACT13, RS96, RT93, YBZC16, ZS14, ZH03, ZLQ12, ZBJ15, ZHY16, Zul11, CS89, CLS88, DK88, GIMT95, JN89, Meh88, MT89, Qia88, Wim88a, Zha95].
Quadratically \cite{BBTT06, Q506}. Quadrature \cite{CKR05, FMRR13, FGS14b, UCS17}. Quadratures \cite{Kau92}. Quadric \cite{Nie10}. Quadruples \cite{CMT09, aIGP98}. Quality \cite{GM98}. Quasi \cite{BT12, BT13, BLAK91, CS98, Cla10, DS97, DQ02, EM15, G100, GIK00, GR17b, GdlI08, Guo02, Guo03, Har07, HMR01, Ste05, VGV09}. Quasi-Birth-and-Death \cite{Cla10, DQ02, GdlI08}. Quasi-Birth-Death \cite{Guo02, Guo03, HMR01}. Quasi-Cyclic \cite{Har07}. Quasi-Definite \cite{GI00, GIK00}. Quasi-Gram \cite{Ste05}. Quasi-Kronecker \cite{BT13, BT12}. Quasi-Newton \cite{EM15, GR17b}. Quasi-Separable \cite{VGV09}. Quasi-Toeplitz \cite{BLAK91, CS98}. Quasidefinite \cite{GSS96}. Quasiseparable \cite{BOS13, BBD11, BEG09}. Quasiseparable-Vandermonde \cite{BEG09}. Quaternions \cite{Mac95}. Question \cite{Kir02}. Queue \cite{GT02}. Queueing \cite{BM96}. Queues \cite{HN97}. Quotient \cite{DJ00, GSV00, Not03, RS08, Ste16c, SL94, SX11, XE10, ZAK13, BF89}. Quotients \cite{CDH12}. R \cite{QT15, Ikr97, KZ10}. Radau \cite{FLSS17}. Radii \cite{HNT99, Li91, MMS16}. Radius \cite{Alt13, BN05, BN10, BZ00, GR93, GO11, GGMO17, JCG14, KV14, LW05, NP13, Tig91, Tro90, BH96, OW88}. Ramaaswami \cite{Guo02}. Random \cite{Ain17, CD05, CC09, De97, DMS13, DRSZ07, DGM15, DK08, ES08, GNO3, Hol91, KN99, KW92, PC816, R105, V98, Ede88}. Randomized \cite{BG13, CD13, GR15, GR17b, HI15, MNR15, Mar11b, RST10, WX16, XCC14, XXCB14, XXG12, Xia13, ZF13}. Range \cite{AS93, BL93, CP17, GKL18, GT11, KM16, LP01, LR94, LP00, Lin03, RS18, TW03, TU91, FM88}. Range-Space \cite{GT11}. Ranges \cite{Cro16, GLPS11, MA99}. Rank \cite{AJRS13, AG88b, Arg15, Asw16, BV92, BLW15, BK18, BV00, BEG07, BCR11, BD10, BSU15, BS10, BHI+08, CGCDM13, CI94, CDGS10, CS09, CO12, COV14, Cho10, CFG98, CP03c, CDLP05, CHW10, CLG93, CGLM08, DH01, Dax08, DDV08b, De11, DD07, DD08, DDV16, DDV08a, DDV08b, DGGX15, Di09, DK06, DL17b, ES09, ES11, ES18, EG15, FPST13, Fei94, FB95, Fon03, Fou18, FP16, FT07, Fri16, GLPS11, GR17a, GT17, GG11, GGL04, Grc10, GV07, GE94, GL13, HY01, He95, HLW94, HS13, IAVD11, IAV13, IUM14, JK15, JKN11, KM16, KK12, KDGG13, KO18, KL07, KR02, Kol03, KO15, Kon00, KK17, KT11, LLZ09, LC16, LW02b, LZ05a, LS17, LNSU18, MU13, MMW17, MH15, MD03, MHG15, MBM08, NS11, NW14, Nie17}. Rank- \cite{OSS14, PK93, PK94, Pan93, PE95, PL97, PL14, Q11, QCL16, Rie92, SCPW12, SS10, SMBJS13, SB92, SC10, SD15a, SDD15, Ste08, Ste10a, Ste13, Ste93b, Ste16b, Ste16c, Ste18, STT17, Tas15a, TYS17, VV10, VHY11, WC14, WCY15, WS12, WCCL16, WD94, WD95, XLS16, XX16, XG10, Zab91, ZZ99, ZG01, ZZS02, ZZS04, ZLQ12, ZH16, ZHl12, dSL08, dTDM08, vD96, BK89, Wim88b}. Rank- \cite{BLW15, BV00, ES09, GGL04, KR02, Kon00, NW14, DDV08b, De11, SDD15}. Rank-1 \cite{DDV08b, Ste10a, ZLQ12}. Rank-Constrained \cite{FT07}. Rank-Deficient \cite{Fon03, HS13, MH15}. Rank-One \cite{Arg15, BEG07, GE94, JK15, LNSU18, MMW17, MHG15, PL14, Qi11, SB92, WC14, ZG01}. Rank-Reducing \cite{WD95}. Rank-Revealing \cite{CGCDM13, CI94, HY01, LLZ09, LZ05a, PE95, Ste93b}. Rank-Structured \cite{XG10, ZHl12}. Ranking \cite{W099}. Ranks \cite{DL17a, RW95, TL06, HPR89}. Rapidly \cite{Auc91}. Rate \cite{Guo01a, KNX04}. Rates
Li98b, Li99, Li05, LR99, Par05, Tru06, Ye09. 
**Relative-Error** [DMM08]. Relatively [WLVO06]. Relaxation [AW00, BF05, ENV92, HZ01, LZ10, Woz93]. 
Relaxations [FJBd15, Hel00, LQ16, NW14, Sch05]. 
**Relatively** [WLV06]. Relaxation [AW00, BF05, ENV92, HZ01, LZ10, Woz93]. 
Relaxations [FJBd15, Hel00, LQ16, NW14, Sch05]. 
Reliable [Dal98, Ral11]. 
**Remark** [Lat95b]. 
Remarks [BGT05a, Fri16, RS18, Wei95]. 
Renumbering [BW99]. 
**Reordering** [GK06, PFRR17, Zha01]. 
Reorderings [LC05]. 
Reorthogonalizing [GGL04]. 
**Repartitioning** [GH92]. 
Repeated [AT98, BS96, QACT13]. 
Replacement [CD14]. 
**Representation** [DV08b, FS97, GdlI08, KK12, Sai16, Ste16a, SB95, SB03, Wei96]. 
Representations [CDG+05, CGP06, CGD+07, HLW05, HR00, JLZ16, LHC16, MW01, WLVO06, WL12]. 
Representing [Tig91]. 
**Reputation** [dKV10]. 
Require [Tsa98]. 
Research [GKL12]. 
**Residual-Minimizing** [Enr00]. 
Residual-type [Saa06]. Residuals [BD09, Grc10]. 
**Resolution** [CC92]. 
Resonance [GS06]. Respect [RDS15, WD94]. 
Response [BL12, BL13, ZXL14, MP88]. 
**Restart** [WS00]. 
Restart [BHM05, BO04, BF00, FGS14a, JIK97, JNO3, LS96, Leh01, MR97, Mor95, Mor00, NZ16, Sim00, XE12]. 
**Restarting** [AGJ14, CGLV11, EGG11, Sta02]. 
**Restarts** [FGS14b, ZH17]. 
**Restoration** [CR06, 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, GW205, KS03, Mei04, Men99, MT00, MPS98, NP96, Ser98, Wil08, YL00, YY10, YY11, von93, CRR93]. 
Resummations [GTJ13]. **Retrieval** [BR05, CFL17]. 
**Revealing** [CGCDM13, CI94, DGX15, DK06, FB95, HY01, KDG13, 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, GL00b, GL00a, Guo01b, GH07b, GIM08, JL98, JOAKt10, KP99, LwCKL13, Lim07, LgS02, LX06, LX12, Lu05, MOR16, MX09, Sch95a, Sim16, gS98b, Sun04, gWCW12]. 
**Riccati-Type** [LX06]. 
**Ridge** [AC17]. 
**Riemannian** [BS10, CDH12, IAVD11, Lim13, VV10, WCCL16, YBZC16, Zha10a, ZBJ15, Zim17]. 
**Riesz** [vdMS05]. 
**Right** [GRT07, HPS13, HPS16, HP02, KS92, MB10, Ple00, WCO10]. 
**Right-Hand** [GRT07, HPS13, HPS16, KS92, MB10]. 
**Rightmost** [EW13, MR97]. 
**Rigidity** [ST08, SC10]. 
**Rigorous** [CS10a, DN11]. 
**Ritz** [AKPP08, BGV10, BD09, CE12, Hav89, KA07, KA10, PP11, Tan94, TM12, WZ17, Wu17, Wu05, ZXL14, ZK17]. 
**Robert** [Joh96]. 
**Robust** [AL98b, BH90, BLO03, DLM13, Eff13, EL07, FMM18, GQ14, KB93, LGWX12, LNT18, NK01, O’L90, PES12, SNC02, Sch05, WLVO6, WT11, XG10, XX17, Yan93, Zha01, Zul11]. 
**RobustMap** [Ost10]. 
**Robustness** [BCG10, Gil13, WD94]. 
**Role** [Liu90]. 
**Root** [DK98, EKMN93, GH06, HMMT05, Ian06, Ian09, KNOX02, LF13, Mat97a, Mei04, KN94]. 
**Roots** [AMVW15, CG15b, FH10, GR05, LB02, Lu98b, MS91, NST15, Sim03, JN89]. 
**Rosenbrock** [AB16a]. 
**Rotation** [DL02, JSG15]. 
**Rotations** [AP94, Dri010, GO95, Moa02, SV05, Van11, PS88, SB88]. 
**Rounding** [CYA+18, SvdVM00].
EMC17, Roundoff-Error-Free [EMC17].
Row [CH06, CH99, DH05, FHs+94, GNP94, RS94, RSS94, Pan91]. Row-Wise [CH99].
Rows [GN03, RQ [SY98], Rule [DTGVLO5, Mat96, SW98].
[CR05, LK95, Xu15]. Rutishauser [WE90].

S [CT15, WW08]. Saddle [BG04, BG06a, CHZ03, DGSW06, Do107, 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, GOR14, HZ01, SHY10, SHZ12, SB04, Tum02, WT11, XW07, Zul11].
Saddlepoint [RW92].

Saddlepoints [Men99].

Sammon [ZLN10].

Sample [BMfY03, GKL95, GKL97].

Sampling [AKP08, GS03, IW14, XXCB14, XXG12].

Sandwich [Jia98].

Satisfy [ZZ98b].

Satisfying [CG03a].

Scalar [ACST09, BvDM+97, Kar11a, MMT05, MMT08].

Scale [ABM+17, BSM10, BHM00, ES92, FI18, FM93a, GH07a, GAB08, HXY11, JK95a, KMMM18, LC15b, LwCKL13, MS10, OS09, PR12, SS13, Sim16, SK16, SY98, WZ17, HC89a, HC89b].

Scaled [CE02, GN16, Mat09, HD97].

Scaling [AMH10, AP94, BBS15, Bet09, BZ00, BX08, CH94, DP05, FLV04, Fay95, Hig05, HO15, JSG15, KL92, KZ10, KR14, RSS94, SW97].

Scaling-Rotation [JSG15].

Scalings [BB95, Gre92]. Schatten [FHL13].

Scheduling [ADLK01, ADV05]. Scheme [ALN07, ALP07, IAVD11, NY95]. Schemes [Bor03, JZ99, Whi00, vDG93, Whi89].

Schmidt [BP92, GGL04, PRS06, Ste05, VNM14].

Schrödinger [JLS01]. Schubert [YL16].

Schur [GLV10, Ste02, ALAK94, AB09, BLAK91, BL10, C099, CS96b, CDGS10, CLN12, CNW08, CH88, DH03, DSV04, DV06b, ET10, GXX94, GK06, GH06, HL11, HL13, HS95b, HLS97, IM13, JMM14, KL98a, KPC94, KMP01, LZ05b, MV07b, Mat95b, SK95, Smi03, Ste01, Sun95b, ZH17, vDV96].

Schur-Monotonic [GLV10]. Schur-Type [ZH17].

Scores [HIW15, Hoo17]. Search [HIg93, RCH08]. Searches [HK01].

Secant [CFG98]. Second [BS05, BH93, BB96, FLV04, GR93, Khr99, LNT18, OL99, OW95, PS04, Vac94].

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

Sections [Rog05, Sil03]. Secular [LB02]. Seidel [MNR15]. Selected [XXCB15].

Selection [AB13, CB00, Lu10, RE98, DB0G8]. Self [Cao09, LP01, LWWY14, Per88, WE89, WE90, YGM09, ZAK13, vDM05].

Self-Adjoint [Cao09, LP01, ZAK13, vDM05].

Self-Consistent [LWWY14, YGM09].

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

Self-Similar [WE90]. Selfadjoint [KL98b, RRR06, ZZTA02].

Semantic [VS14, ZZ99]. Semencul [AG91a]. Semi [BY88, GK15, LHC16]. Semi-iterative [BY88].

Semi-Nonnegative [GK15].

Semi-Separable [LHC16]. Semialgebraic [QCL16].

Semicircle [BZ07]. Semiclassical [HL17].

Semiconvergence [AM05].

Seminfinite [AD02, BS10, BHH+08, CS01, Car94, CFG98, DHZ03, DH97, DY10, FNS08, GS10a, GS02, HXY11, Hel00, HLW94, Her90, JT98, Lut00, LWWZ06, Mal04, MW01, NS07, NW14, Ste10b, SH13, WZ05, Zha00, HPR89].

Semidirect [HG14]. Semigroups [GR97, Jia98].

Semimonotone [MP95b].

Semiproximal [BST16].

Semirings [Pat00].

Semiseparable [CG03b, CDG+05, CGP06, GLV10, Har05, Mar11b, VVM05].

Semisimple [LMZ03, Lan07, QCT15, QCT16].
Semismooth [DS16, Qi13].
Semismoothness [QY04]. Sense [HPS16].
Sensing [JKN11]. Sensitivity [QY04].
Sense [HPS16]. Sensing [JKN11].
Sensitivity [Afs08, Bol90, CI95b, DB88, GG06, GTPI13, GKL97, Mey94, Zen16, Zha93b].
Separable [HG14, KS92, LHC16, VGV09]. Separation [De 11, LZO05b, WL05]. Separators [GM98].
Sequence [BGH95, DD99, LM98a, Pai09, PW14a, Tam97].
Series [DM05, FG15, HR93, KS03, SGX14, VP93, Bas89, BN88, Tre88b].
Serra [WW08]. Serra-Capizzano [WW08].
Server [GT02]. Set [AM95, AKM97, BF06, CP17, EK96, Gao96, Gro97, Hua08, Huh01, KP08, LP96, May12, Pil94, RS18, Pea88].
set-theoretic [Pea88]. Sets [AMT90, BN10, CRS99, CRS01, DLT15, GGJ18, GGO13, GZ15, GP16, Kar11, KP92, KO92, LS95, Mei94, Yang09, Zha93b].
Several [Bin90, CCG09]. Sham [LWWY14]. Shape [AKM97]. shared [KP92]. Sharp [BT92, Dri06, TVW15, PS88]. Shary [Neu00]. Sherman [Rie92]. Shift [BMS06, FS10, GS03, MV02, ZZ99, HL06].
Shift-Invariant [GS03]. Shift-Invert [FS10, HL06]. Shifted [CM03, GLS94, Guo03, GIM08, HMR01, KM11, KM14, MV07a, RN18]. Shifting [MP91, vdG93]. Shifts [BBM02a, Emb09, Wat95, Zhi12]. Short [ESS+12]. Short-Term [ESS+12]. shorted [BM88]. SIAM [Ano11, CH93a, HC89b, WW08, Zha95, Ikr97]. Sided [BB07, Cez02, FB95, Fie96, SWYM96, ZH17].
Sides [GRT07, HPS13, HPS16, KS92, MB10]. Sign [BB08a, BMOvdD04, BC92, BD15, BDF17, BHM97, CK00, HMHT04, JMO93, KL91, KL92, KOSvdD07, LOvdD02, LS95, Pen95, Sha95, SHS03, Tsao98, JJa88]. Sign-Central [BD15]. Sign-Nonsingular [BC92].
Sign-Solvability [CK00, Sha95]. Signal [Aru92, SKP11, ZR95, Fuh88]. Signatures [Wim06]. Signed [HKG09, KSH02, SHS03].
Significance [Vau92]. SIM [BMV92].
Similar [LLS09, Sfe09, WE90]. Similarity [CG15a, FP98, GKK99, IIM94, LPS08, VVM02, dSV01, CH88].
Similarity/Equivalence [IM94]. Simple [Bol90, GG14, Lu05, OP05, Ste91b, Tam99, WL05]. Simpler [JRG09, NTTZ18].
Simultaneous [AhS98, Bin09, BGBM93, CS96a, DSV04, De 06, LUC18, MM11, OAT09, PR91, Sut12, CJL96a, CJL96b].
Single-Input [AD98, BMU94, MX98, Mim15].
Single-Vector [SX11]. Singly [Tis03].
Singular [AMMS08, AHH01, BB08, BES15, BV90, Bar02, BL02, BT17, BGT14, BB96, BK90, Bor9, BW97, Cao08, CGV03, C95a, CL90, CT15, CHH+15, CFG97, CCH98, CDD00, DV00a, DG91a, DV92a, De 94b, DD98, Dem92, Dem99, DP09, DSD17, DJ00, DSm00a, ES12, F89, Fra05, Gra10, GE95c, GRK17, GLM17, Han94, HMP94, HHSW97, HDT10, HS00, HJP03, HC15, IS07, JS94, JN03, JN91, JN93, Kit95, LC15b, Li03, Li98a, Li98b, LM02, LS07, LNT18, MS02, MW17, MVV92, MHH94, MS03, Not16, O’N05, PS94, PP05a, RY05, RW95, Rog95, Run97, SCB05, SS06, SWZ11, SLO3, SB01, s00a, Tam98, wVbqJ11, WA07, Wan15, Wat92b, YB91, Zha91, Zha97, Zha00, ZQ10, Bap89, BY88, BN87, FF93, GL96, KN98, WE89].
Singularities [MS99, VJ07]. Singularity [Pea01, FP16, LH05, RR98, Roh93, Wan98a].
Singularly-Induced [Bea01]. Singularly [Naj98]. Sinkhorn [Kni08]. Size [CNW08, KN04]. Size-Classified [KN04]. Skeleton [CD13]. Sketching [AC17, TYUC17].
Skew [AKM97, BGN03, BLdP97, BBM14].
Skew-Adjoint [Rod05].

Skew-Centrosymmetric [TY02, Yas03].

Skew-Hamiltonian [BBMX02, Kre05, Meh99].

Skew-Hamiltonian/Hamiltonian [BBMX02, Meh99].

Skew-Hermitian [BGN03, Ben09, RP10, SB04].

Skew-Symmetric [AKM97, BLdP97, DHZ03, Fer98, GV09, GPTPV16, Hac93, Rod05, Tam98, TY02, Tre05, Yas03].

Skewcirculant [Huc92].

Slicing [Har98].

Slow [BET02].

Sluggish [O'C02].

Small [BLO07, CO12, CNW08, GV07, GKL95, GKL97, Hig03, JV04, Kar11b].

Small-Sample [GKL95, GKL97].

Smallest [Mal06, Mel04, Xue96].

Smith [LK95, Mur91, Mur93].

Smooth [DE99, Mae09].

Smoothed [BC10, SST06].

Smoothers [TW00].

Smoothing [HJ07, QL99].

Smoothing-Norm [HJ07].

Solvability [CCK01, DBW15, HPS16, Pols15, Roh03, Sha95].

Solve [ANT09, GH07a, VGV09].

Solved [HLT08, LC15a, LV16].

Solver [ADLK01, ADV05, AV91, CS98, CGP06, CDG+07, DV08a, DL92, HY00, Ste03, VHK08, XXG12, Ts94].

Solvers [ADR92, AGL98, DH93, DG5W06, DSSC11, Gov91a, GTI11, GS00b, Gut14, JR08, MR97, PFRR17, STvDD17, StvVM00, WR95, XXCB14, Xia13, XE10].

Some [FS10, SX11].

Solving [AT07, ADD89, BEG+99, Ben99, BD90, BM99, BHP03, BF05, BLNT13, CG10, CG96, DHT01, DTGVL05, ESR01, ES12, EG00, Fio11, Fos03, GRT07, GLS94, GKL14, GL00a, GHT09, GL10, HXY11, Hig90b, HK01, HV05, Huc92, Ji92, JV04, JOAKt10, LwCKL13, LH05, MNR18, MV07b, MLV00, MM00, NY95, Ors06, PV17, SWZ11, SS17, ST14, SB11, ZF13, BDV89].

Some [Au00, BLd93, BGT05a, BK97, BN10, CCJ+00, CDG+05, CS10a, CD00, cho10, CHW10, C03, CHZ93, Ctr16, DLM04, Dri06, EGGR99, EL91, GR17a, GIK00, GG06, GS02, HMT93, Ho90, J88, Kan96, KS03, Li91, LZ97, MP95b, MPS98, ND06, NP96, SU94, Ste11a, TL06, Tre94, Wei95, XX16, Xia12, YL00, ZQZ14, von93, GIMT95, MT89, VV89].

SOR [Dan91, HN98].

Soules [EM10].

Space [AD02, AB01, AFPA07, BW95, BH90, BH93, BD10, Bly17, Cle00, Drm00b, FJ97, aIGP98, GTI11, GOS15, GS00b, PR16, Qi11, QZL05].

Spaces [BvdMR+97, GT08, GS03, KSH02, MMT05, MMM06b, NNT17, Sa188].

Sparse [Ari00, AB01, AL98b, AKP08, BV92, BL90, BM02, BW99, BT02, BPF95, BrD07, Caur94, CDG+07, Che01a, CC09, CG90, DD97, DH99, DH01, DH05, DGL99, DEG+99, DD12, DK99, DK01, DP05, DP07, EL92, EL05, EL08, GL99, GMS92, GL93, GNP94, gS96, VV10, WS12, Win92, XZC99, ZHF05, ZWF05, DK88, Win88b].
Gil94, GO95, GT08, GGC09, GLS94, Gup02, HS13, HS14, JN93, KU13, LGPS90, LS06, LC05, Liu90, LNP93, LB96, Lu10, LN14, LKK79, MSZ15, NP96, NP99, NR99, NY95, PFRR17, PL97, RS06, Reu02, RS94, RE98, SZ99, STvDD17, SYJ00, SV93, SV15, Tan99, TW00, Vog99, XLS16, Xia13, XXCB15, ZZS02, ZZS04, dB08, vD99, dSBvdV93, ADD89, DY90, KY93, Liu88, PSL90.

Sparsity [CK12, HJOvdD93, HLW94, HPR89].

Spatially [Par94]. SPD [LGWX12, XX17].

Special [BG94, BJ16, Che98, DCM08, Fie95, Fie00, Ips06, IS08, Ips09, LGPS90, MG92, NP99, SHS03, Tho94, BHH88, HM89].

Specific [BG94, BJ16, Che98, DCM08, Fie95, Fie00, Ips06, IS08, Ips09, LGPS90, MG92, NP99, SHS03, Tho94, BHH88, HM89].

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

Spectral [Alt13, AG91b, AG88b, BMfY03, BSvdD95, BGSC07, BE03, BN05, BN10, BZ00, CCGG10, BCW12, CSX15, Cap00, CF99, CG98b, Cle00, CG10, CP17, FGJ00, FST+13, FC01, FL99, GSCS15, GP97, GG06, GS06, G10b, Grc10, GR93, GM98, GGO13, HG07, HG09, HGCS90, MG92, NP99, SHS03, Tho94, BHH88, HM89].

Spectrally [BMOvdD04].

Spectroscopy [LW05]. Spectrum [Cha91, CG98a, DHST05, FT16, GMS90, MS03, PV09, RN18, ZAK13, DS95]. Sphere [CDLP05]. Spherical [ZLQ12]. SPIKE [MM09]. Spill [CCL09]. Spill-Over [CCL09]. spillover [QCT17]. Spline [HHRV99, GBCW89]. Split [Mel01].

Splitting [BS15, BGN03, Ben09, Cao00b, HM04a, ILNS17, MBN17,Ral09, RP10, SB04, YLA97].

Splittings [Cao00a]. Spring [NW02].

Square [DL02, DK98, FH10, GR93, HL08, HH94, HMMT05, LF13, Lu98b, MS91, Mat97a, Me04, PR01, XSW10, JN89]. Squared [BEBT07, GN16, PP05b].

Squares [ABG07, Aru92, ANT09, BG11, Bar98, BBT05, BBT06, BBT08, BE10, BST16, Ben99, BN06b, BPE94, BES98, BHMO0, BJ14, BV01, BHP03, BX05, BV95, CGCDM13, CNP94, CS98, CPTP09b, CGP09, CG10, CH93b, Chu91, CG98b, CK91, CH99, DN08, DHT03, EL97, EP94, FF94, FB94, For96, FS01, G10a, GH09, GJTP12, GTPI13, Grc10, Gu98a, Gu98b, GW92, Gu95, HY10, HX11, HS+11, HG14, HM97, HV97, IW14, Jam92, KS92, KLR98, KP08, KT10a, LY03, LS06, LPT10, Mal04, Mal03, MVP05, Mar11a, MLV00, MW01, MH13b, MH15, PRS06, Re91, RG05, Rod06, Run12, Sha95, SC03, STT17, TETA05, Usc12, VZ91, Van92, WC14, WCY15, Wei92, WD00, XCCB14, ZH03, ZHY16, ZMW17, ZLY12, ZF13, O’L90, Qia88, VV88, VV89, Zha95].

Squaring [AMH10, BBS15, Hig05]. Stability [BB94, BH00, BvdG11, BES98, Bjo14, BLO03, BX08, CMT09, Cor93, DLMT13, FLM10, FJ97, FG96, G96, GL96, GGMO17, Hig90b, Hig92, Hig97, IM94, JWX03, KB93, KZ10, Kn04, KV14, LNT18, LR05, LSB16, MS99, MA09, MMS16, MT15, NH12, OOVdD98, OP05, PRS06, Pal10, RR08, Rho94, RT99, SV97, SS08, Ste03, Ste16b, Tis01b, TS90, Tro90, Wat95, Wri95, Wri97, XX16, YP98, Ya00, Yan98, ZFW07, BBDS95, BDV89, JJ88]. Stabilization [HY00, Wu05]. Stabilized [Ern00, LZ10, Sim97, VHK01]. Stabilizing [CS96b, OS09]. Stable [AB05, AMVV15, Bar00a, CM03, CS98, CGS98, Cha00, CG3b, CH99, DP07, fFO06, FGS14b, Fof07, Gov91a, GE94, Gu88c, GGBCC03, Hu92, JK97, JRG09, LS10, LW97, L0vdD02, PLM94, RR08, Sut12, TCTM00, Tro90, Vav94, XCCB14, XSW10, ZS14, CJL96b, GL03]. Stage
[SJ92, YLA97, SB01]. **Staircase**

[EEK99, EM00, SZK95]. **Start**

[Del97, KW92]. **State**

[BH90, BH93, BGMN92, CMT09, Cle00, Cor93, DGMR00, ES18, HS10, KLMX04, LFW13, BHKR11, Zab89]. **State-Discretization**

[DGMR00]. **state-feedback**

[Zab89]. **State-Space**

[BH90, Cle00]. **States**

[DA05, NT08]. **Steady**

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

[BCR11, GKL95, GKL97, Hoo17, KLR98]. **Steady-State**

[ES18]. **Steepest**

[KL08]. **Step**

[AV91, CD14, CD15, KMN11, Sle09, Sor92]. **Steps**

[Mim00]. **Stepwise**

[Bry17, LWW15, Zim17]. **Stiefel**

[BS94b, Ger92, LP17, Yal00, BDV89]. **Strong**

[BS94a, Mal06, Tas15b]. **Stronger**

[BS94a, Mal06, Tas15b]. **Strongly**

[BS94a, Mal06, Tas15b]. **Structure-Preserving**

[GL10, HLPQ09, KK17, KS12, KLS16, LX06, MMS16]. **Structured**

[AA09, ADC04, BO08, BBT05, BBTK08, BE10, BST16, BM06, Bor10, BKMS14, BKMS15, Buc00, BGM92, BGN12, BGMN15, BK06, CGCDM13, CB90, DV07, DV08a, DV08b, Dem99, DK06, Fuh07, GR17a, GW07, G93, Gu98b, Gu98c, GMM017, GRK17, GL10, HHSW97, HH92, HH98, IUM14, JV16, JK95b, KKT06, Kar10, Kar11b, KS08, KPM09, LX09, Li99, Mac99, MMT05, MMT06a, MMT08, MVP05, MU13, MLV00, Mur91, Mur93, NP99, OSS14, PO03, RV17, RPG06, RPG98, Rum03a, Rum03b, Rum15, SV97, Ste16b, gS98a, TH01, Tis01b, Tis03, VFGM05, Wat92b, WD95, XXC14, XXCB14, XX16, XG10, XCG10, XG12, XX17, WX07, Zh12, vdWM95, DGM06, GIMT95]. **Structures**

[BKMS14, BKMS15, DD07, DV06a, DV06b, EK96, FGJ00, GL93, RD95, ST08, ZGP10, DB88]. **Study**

[CG15b, Zhe96, Zhe98]. **Sturm**

[BGGH95, Mal06]. **Style**

[Dol07]. **Subadditive**

[ZQ10]. **Subclasses**

[LQ16]. **Subdefinite**

[CHL00, ND06]. **Subdiagonal**

[GN16]. **Subdivision**

[JZ99]. **Subdivisions**

[GP16]. **Subdominant**

[GN03]. **Subgeometric**

[Mas16]. **Subject**

[CG98b, VV89]. **Sublinear**

[CD13]. **Submatrices**

[JK95b, dSV01]. **Submatrix**

[Bai05, OR93]. **Submultiplicativity**

[JN91]. **Subsampled**

[BG13]. **Subset**

[AB13, CB00, DA05, Fei94]. **Subspace**

[ASV04, AT07, ABM17, AKPP08, BR05, BD09, CP03a, CFT16, ES12, EN08, Ern00, FGS14a, GGL13, GG14, GPTPV16, GMN16, Gut14, H95a, HGL05, JK97, KMM18, KO15, KTM06, KT11, KV14, Le01, Li98b, LY03, MVV92, MH13b, NZ16, RSS09, RS02, Saa97, Saa16, SS13, Sid95, Sim00, Sim16, SK16, TP14, Ver96, WY17, ZPW18, vdES04, Fuh88, Lag91]. **Subspaces**
[BD98a, BER04, BKS08, BBMX02, BT10b, BHM97, BK06, CGV03, DHW92, Drm00b, DK98, DSZ14, FB95, FMX02, KK14, KA07, Kre05, Li93, LW97, Men12, Miy14, PLM94, RR08, Rod05, Ste16a, SL94, Tam99, WLB05, YL16]. Substochastic [Har99].
Substructures [ST08]. Substructuring [EV06, PW90]. Successive [Eff13, GH92, MHG15]. Successively [JOvdD01, JOvdD04]. Such [JKM11].
Sufficient [BM00, Cor93, CC92, HQ16, LS10, Mor12, MM00, RR98, ST08, ZWF05, Gad88, Pan91].
Sum [BLW15, BLdP97, Her96, LPS08, OW92]. Sums [FF99, FHS+94, GTJ13, HS00, MW01].
Superdiagonal [Tam98]. Superfast [AG88a, CGS+08, FLM12, Ste03, VHK01, XXCB14, XXG10, XXG12]. Superlinear [Tam98].
Superfast [AG88a, CGS+08, FLM12, Ste03, VHK01, XXCB14, XXG10, XXG12]. Superlinear [Tam98].
Superlinear [Tam98]. Superfast [AG88a, CGS+08, FLM12, Ste03, VHK01, XXCB14, XXG10, XXG12]. Superlinear [Tam98].
Symmetric [PM06, Ral11, RBB90, Reu02, Rob16, RS92, Rod05, RODS15, SZ07, SS10, SvdVM00, ST14, Tam98, TY02, TL06, Tis04, Tre90, Tre05, Tur03, VGV09, VYH11, WZ91, Whi90, WSO0, XLS16, XG10, Ye09, Zha05, ZWF05, ZLQ12, ZHQ16, ZS07, vDHvdV00, Al189, BDV89, DK14, FGS96, GE95b, JP94, Liu88, Ove88, Tre88a].
Symmetric-Definite [Cha00, CG98b]. Symmetric-Indefinite [BBD+14].
Symmetries [FT16, VV15, RR94]. Symmetrization [ALN07]. Symmetrized [DD98]. Symmetry [CLL09, EL92, HM04a, KRU14, SS06, Ste11a]. Symplectic [BF00, DJ09, Fio11, GKL14, KS12, KLS16, LW97, Meh88].
Synchronizing [GGJ18]. Synthesis [JKM11]. System [AB16a, BFZ07, DH93, DK05, DJK17, FPST13, FL99, JW11, KPC94, LV10, MR97, PGVR98, RBB90, WCW10, Wri97].
Systematic [QCT16]. Systems [AM95, ADC04, AK90, BGN03, BRR00, Bar08, BSFM10, BEBT07, BEG+09, BB12, BF06, BH90, BH93, BB96, BM99, BG94, Bor03, BF05, BLNT13, BW97, BGMN92, BCW12, CT91, CP03a, Cao08, CP03b, CPS00, CI95b, CS98, CG98b, CGS+08, CC297, CNW08, CCH98, CH06, CFL07, CT08, CK00, Cor93, CG96, DGMR00, DTGV10, DL03, DGSW06, DS16, DSZ14, DP07, ENV92, EGTP17, ES12, EG00, EG15, EL91, FLM10, FLM12, FG15, FJ97, FV98, ...]
FNS08, FKLR13, GV04, GL03, Ger92, GMPS92, GS96, GLT96, GGV05, GRT07, GOR14, Gov91a, GR15, GT11, GV99, Gre99, GV09, Gu99c, GAB08, GHL03, GHR95, Han94, HMP94, Hig90a, Hig90b, HH92, HS14, HO92, HV05, IKSG10, Jou92, KGW00, KC09, KS08, KT10b, KT11, KLX04, Lan07, LW02a, LWXZ06.

Systems [LM90, lLNS17, LNT18, Lu94, Lu95, Lu96, Lu98a, LH05, MNR10, MV02, MV07, Mat02, Mee03, MB10, MMS16, Men08, Men12, MG10, MJM11, Min15, Mor00, NRT92b, NP02, NY95, Not16, NV02, OS10, PAP00, PS05, PR16, PV17, Pop12, Pop15, PU10, QuGCT17, RT93, RE13, RD95, KY05, RK95, Roh03, Rum12, STvD17, Ser96, SS91, SVdVM00, ST14, gSS97, gSS98a, SZK95, SJ92, TV09, VHK01, Var94, Var94, Ver96, Wa95, Wei95, XCGL10, XXG12, YX07, Yan93, dKV10, vdES04, vdWM95, AG88a, ADD89, Ash91, BDV89, CJL96a, CJL96b, Cha99, CH92, CH93a, Cri88, FGS96, HC89a, HC89b, Sch95a, Tre88b, YX88a, Zab89, PU14].

Systolic [MV93].

T [Zha95]. T. [JWX03, KO05]. Tails [AW05, ES05]. Takagi [XQ08]. Tangential [DSZ14, GV04]. Task [AD05]. Taylor [SGX14]. Technique [BJM05, CM92a, Hav89]. Techniques [DMP96, JOAK110, LS96, PS08, BK89].

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