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

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Title word cross-reference

(0, 1) [BH96]. (1 + \sqrt{2}) [RS18, CP17].
(1, L_r, L_r) [DD20]. (A, B, C, D) [CMT09].
AR − LB, DR − LE = (C, F) [Kag94].
(L_r, L_r, 1) [De 11]. (L_r, n, L_r, n, 1)
[SD15a, SDD15]. (λ, μ) [JKM11]. (R, S)
[Tre05]. (r_1, r_2, r_3) [ES09]. 0 [Ho90], 1
[BLW15, BV00, BH96, Har99, HT00, Ho90,
KR02, NW14, Uhl20]. 2 [BZ98, BK89,
CG15a, EK96, FFH+19, FKL13, Hal20,
HR14, LT09, Pai09, SYJ00, TT14]. 2d × 2d
[Ose10]. 2 × 2 [ABL94, HLW05, SSR20]. 3
[BBM02a, CO12, EK96]. 3 × 3
[BL91, GKL18]. 4n^2 [HY00]. A
[VV89, Car94, WZ91]. A(k) [Art96]. A + μB
[JKM11]. A = UPD [Eir00]. A^b [Gri88].

A^m − A^n = IJ [Ho90]. A^T X ± X^TA = B
[Bra98]. α [LW20b]. AYX − XB = C
[BHH88]. AX = B [yPw12]. Ax = ABx
[WZ91]. AX ≈ B [HPS+11, HPS13, VV89].
AXB + CYD = E [LBL05, Ozg91].
AXB^+ + CYD^* = E [SC03]. AZ [CHM20].
B [Ste10b, WZ91]. BML [BMV18]. BR
[GHW99]. BXA^T = T [DHZ03]. Cp [FP98].
G [JM96]. H_2 [BB12]. χ^2 [MH13a]. cp
[SMBJS13, BSU15], CUR [DMM08]. D
[KMS01, KMS03, GCS15]. G
[LT89, NSCS01]. H
[AYLR04, AH07, KL98b, LG06]. H_+. H
[HLT12]. H_∞ [GG013, FSV14]. HR [Ste09].
I \otimes A [Gre05]. I \times J × 2 [SD09]. K
[Car94, Yas03, BT06, GGL04, KM16, Kon00,
Pro13, Sor92]. L [Stu91]. λ [CLS88, JKM11].
LDDL^T [Tüm02]. LDU [CKRU08]. LR

1
[GI97]. 15th [Mol92]. 17 [GI97, Ikr97]. 27 [WW08]. 2D [FV98]. 32 [Ano11]. 70th [GKRV90]. 90a [HC89b]. 93a [CH93a]. 95d [Zha95]. 96m [GI97]. 97g [Ikr97]. Aberth [BGT05b]. ABLE [BDY99]. Abscissa [BM19, FL99, GO11, HGC00, KV14, LV17]. Absolute [CO99, El98]. Absorption [SdJL+18]. Accelerate [RCH08]. Accelerated [LGC+14, TP14]. Accelerating [BJM05, WZ17]. Acceleration [BRZ06, ENV92, KLV18, PS08, SK16, AdHN88]. Accuracy [CD14, CD15, CHKL01, CYA+18, DMM03, GKK94, GJTP12, Gre97, GS00b, GL00b, GL00a, Guo01b, GH07b, Gil08, Hoo17, Jh98, JoAKt10, Kap90, KP99, KM96, LwCKL13, LS17, Ls02, LX12, Lu05, MOR16, Neu00, Not06, Not16, PAP00, PS05, Pu13, SKP11, Sin16, gS98b, Sun04, VF00, VZ06, gWeWL12, XLS16, Zim17, CRR93, San88, Sch95a]. Algebraic [BIp08, Bol90, BM02, BW99, CL17, CCB+20, CT08, DHY06, DG91b, DG91c, DLMT13, EZ95, EK17, FL02, FT14, FV98, FS97, GGV05, dMGF14, Guo98, GL00b, GL00a, Guo01b, GH07b, Gil08, Hoo17, Jh98, JOAKt10, Kap90, KP99, KM96, LwCKL13, LS17, Ls02, LX12, Lu05, MOR16, Neu00, Not06, Not16, PAP00, PS05, Pu13, SKP11, Sin16, gS98b, Sun04, VF00, VZ06, gWeWL12, XLS16, Zim17, CRR93, San88, Sch95a]. Algebraically [RW01]. Algebra [BD95, CO99, Di 09, Di 00, KHH04, MMT08, Tam99]. Algorithm [ALAK94, AA94, AMMS08, AMH10, ADD96, Arg15, AB01, BOCL97, BES05, BLW15, BEG+09, PB92, Bor14, BM02a, BM02b, BG06b, BMU94, BKK18, CM93, CCB+20, Cav94, CI95a, CS96b, CGS98, CGGS99, Cha00, CGS+08, CH98, CGC+09, COV14, CH15a, CMHW20, CB00, DBW15, DW06, DH03, DNN20, Day97, DV07, DGL99, DMM03, DV08c, DV08d, EK99, FH15, FH19, FLM10, FLM12, FM93b, Fol07, GVK20, GNS18, GHW99, GNP94, GHHW90, GDX11, GSP90, GLS94, GE94, GE95a, GGBCC03, GO96, GOS15, Guo02, Guo03, GIm08, GHT10, GL10, HN90, HO94, HB12, HW98, HMR01, HR95, HT00, HL11, HL13, HG14, IM13, IK06, IAV13, IM16, IO16, JR99, JS94, KK07, Kau93, KL98a, KHH04, Kn08, KRU14, Kre08, KW94, LHC16, LG+14, LH05, LZ10, MM11, Mar11b].
Algorithmic
[MLV00, MTV10, Mel01, MM09, MVV92, NRT92b, OW06, OYBV19, PYHK93, Par99, PO03, QXX14, RD95, RST10, RS08, SK95, Sen98, SdJL+18, SB05, Slep09, Smi03, ST01, Spe98, Ste01, Ste02, Ste05, Ste06, Tas15a, Tur03, Usc12, VZ91, Van11, VW12, Ven93, WZ91, gWeWL12, Wat95, Wat00, WL12, XK94, Xu20, YP98, Ya00, ZS14, Zha17, ZBJ15, Zhi12, ZZ98b, ZS07, Zim17, Bar89, CJL96b, CH92, CH93a, CM89, CM92b, DY90, Fuh88, GIMT95, GE95b, MT89, Qia88].

Algorithms
[ADGH18, AG91b, AH16, AG92, AD98, Auc91, Bar19, BM00, BBV19, BM19, Ber09, BEgg07, BMJS17, BG13, CE02, CG03b, CDG05, CD13, Cz02, CB90, DN08, DHST05, DM04, Dm00a, DK99, DK01, EAS98, FH18, Gem98, GK15, GKKX94, GQ14, GR17b, GPTPV16, Gu98b, Gu98c, GCC18, GO11, Gup02, Gut92, Gut94, HM89, HR04, Hig90b, HLQ09, JH88, KW92, LUC18, ILY91, LX06, Lu95, LV17, MV14, Meh04, Meh08, MP12, MP91, MMH94, Nec19, NS94, NY95, Ost10, PM06, PL18, PTC13, PGVR98, RG05, RT20, Saa06, SKP11, SDD15, ST14, Swe93, TC17, Vav94, VS14, WE91, Wat93, WE94, Wat98, Wat92a, XX16, Xia12, Xu98, Yau98, YGL18, ZZS02, ZFW07, ZLN10, ZG90, BBDS95, BDV89, KP92, Pan91, Paa88, SB88].

Almost-diagonal [HD97].

Alternating [BGK+18].

Antifermagnetic [CR93].

Antinorms [GZ15].

Antireflective [BDS11].

Antisymmetric [KK17].

Antitriangular [CLN12, MV13, PW14b].

Application [AMH09, AH14, BG15, Bez12, BM01, CR96, CS01, CS10b, FMRR13, GPM03, GS06, GP16, HM04a, HR00, HT00, HIS18, HHLW13, Ian09, K03, KMS01, KMS03, Li99, LF02b, LY03, LV10, LK95, Mai99, Mat97a, CPS97, CP98, PGVR98].

Analysis
[Afs08, AA19, AB01, AKP08, AMR+18, Bar93a, Bar19, BH90, BH93, BG07, BvdG11, BC10, BCW12, CG03a, CI95a, CGP09, Che01a, CL09, CLN12, CD17, CCG+09, CGH11, CS10b, DHT01, DSSC11, DJR+18, EZ95, EK17, FT14, Fie96, FC01, GCS15, GP97, GA18, Gil13, GS06, GG05, GS10b, Gow96, GHN18, Gu95, Gu02, HHRV99, HJovD93, Hig90b, HHC03, HC15, HK12, HKBM08, I06, IS07, IO16, J03, K`a94, KS03, KN99, KMP01, KMN11, LV16, Lew96, Lew99, LgS02, LX06, LSB16, LS95, LT94b, MOR16, MT15, MF20, MM09, MS03, Nap13, NOZ11, NZ16, Not03, Not14, PP05a, PP05b, PAH13, Pul13, QCT16, RRR06, RST10, Saa97, Saa16, SS19, Sa19, ST06, Sim6, Ste05, Ste06, Ste11b, Sun95a, Sun96, Sun04, VV88, VV89, Wat92a].

Analysis
[Wei92, We11, WL12, XE10, YC97, YLA97, Zha93a, ZZ01, ZZS02, ZLN10, CM89, CM92b, DB88, HC89a, HC89b].
Applications [AJRS13, Alt13, AG88b, Arg15, ANT19, AL98a, AB13, BO96, Bar93b, BBTT06, BSZ20, BKS08, BLO03, BCGG10, Cap00, CCJ00, Che98, CCC97, CDH12, DCM08, DG91a, DJ09, EGK91, EJ09, FPST13, FHH19, FNS08, GHS12, GM18, GHN18, HN90, IUM14, JJ03, JW11, JKN11, KBHH13, Kn08, KA10, KH13, KS12, LLZ09, LZ05a, Lim07, Mat93b, Mat96, NP99, Peñ01, PGVR98, RN18, RE13, Saa06, SZ07, SB01, TL06, TH01, Tsa93, WCW10, XPL18, ZQZ14, ZZLY02, ZR95, ZPW18, Fuh88, GBCW89, KN94].

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

Approach [BE07, BL94, Bor99, BET02, BEGM05, CSX15, CL17, CG03a, CH06, Cle00, CF00, Dax08, DG91b, DG91c, DEG99, EEK97, EEK99, FL18, Fri05, GL99, GRT07, GT02, IUM14, IM16, KO05, KB90, KN09, Mal04, Mio00, Mao05, MS18, NNT17, Neu00, PAP00, Pii94, PR12, PJB10, SD19, TETA05, VF00, VGV09, VV10, WE90, vdWM95, BV88]. Approaches [MHG17]. Approximability [HHSW97].

Approximants [BL94, CM93, Hig01, Bas89]. Approximate [ADD96, Beb06, BM02, BS02a, BS02b, BAMB0, Cle01, Dav08, FMFJ18, GRK17, GHL03, HO10, HM97, IKSG10, JT98, Jou08, LC16, LBL05, MS03, Pha01, SEM13, gS96, Tan99, TW00, TG09, dD99, KY93]. Approximately [GN13]. Approximating [CHKL01, DPP13, GM017, PS08, VV15].

Approximation [AKU20, Arg15, AK90, AR93, Asw16, Ba05, BG15, BRZ06, BV95, Cap08, CS09, Chu91, CG98b, CP03c, CDP05, CK20, DDV00b, DP00, DHM19, DIKMI18, DK98, DWWY20, DL17b, ES09, ES11, FZ16, GMM18, GG11, GC14, GCC18, GC19, GO11, GGO13, GN16, HK08, HPS13, HI15, HGL05, HT17, HV19, IAVD11, IAV13, IUM14, JK15, KN00, KS15, KL07, KL10, KR02, K030, KO15, KJH16, KK17, Lás94, LNSU18, LFW13, LV10, Lu98b, LRSV13, Mat93c, Mat93a, MBM08, NS11, Ose10, OSS14, Qi11, Rei91, Rei02, RHE14, SD16, SS10, Ste08, SH93, Tan94, TYUC17, UScl2, WC14, WCY15, WS12, Yan20, YGL18, ZMK02, ZG01, ZLQ12, ZXL14, Zie95, dSL08, vdV96].

Approximations [BYDW18, BN05, BD09, CCB20, CG03a, CW20, Dax08, DMR09, D19, FT07, FKL13, GR93, GLV10, GHR95, HB12, HST19, JKN11, LT09, MHG15, NNP04, NW14, Nie17, NST15, RP10, Sid95, Ste13, STT17, XC18, ZS02, ZS04]. Arbitrarily [Run15, Rum91]. Arbitrary [BMOvdD04, FH19, Mas95, MBO97, PK93, PK94]. Arc [GHT10]. architectures [JH88, JP94].

Arising [BM96, BM02, BM06, CGS04, DS16, ES08, GMR19, GT11, GV99, Gd10, GKL12, HV05, HLQ09, HKB08, ILNS17, LX12, Lu05, MP11, VOG99, FG596]. Arithmetic [AS93, BD93, CR16, DJ00, HK95, JR13, JMR19, LEM19, Tis01a].

Arithmetic-Geometric [BD93]. ARMA [SH91b]. Arnoldi [BS05, BR08, BM18, CK95, CO2, EG20, Emb09, FS10, FG14b, HKV05, Huc94, JMM14, KO14, KS20, LS96, LeH01, LSB16, MR97, Mio00, Nov11, RST01, S09, Ste10b, TM12, XE12, ZH17].

Array [MVV93, Rau02a, Rau02b, YB91]. Arrays [Cho09, GMS12, LRA93, OST08, Ste08, SD09]. Arrival [Par94]. Arrow [AG92]. Aspect [ZZTA02]. Aspects [EL08, LPT10]. Assignment [AD08, BMU94, FP98, GP97, Min00, NK01, Sun96, Zab91, CM09, CM92b, Zab89].

Associated [BD95, CFG98, DMS13, JZ99, KIR95, L93, MMT08, CRR93, Tre88b, WE89]. Astronomical [BN06a]. Asymptotic [Meh08, MT00, Na98, NSCS10, OYBV19, Ser98, SM16]. Asymptotically [Li06].
Asymptotics [BSU15]. Asynchronous [ADLK01, ADV05, DGL99, SB01].
Attainable [CD14, CYA+18, Gre97, JR08, KS20, Lás94].
Attention [IS08]. Augmentation [SHZ12].
Augmented [CFT16, EG00, GGLN13, Gut14, LW20a, Mas16, Mor95, PAP00, Pai10, Saa97, WZ17, Wri97].
Augmenting [Rie92].
Autocovariance [Elt92].
Automata [GGJ18, GDF01].
Automated [EV06].
Automorphisms [IZ04].
Available [Lee96].
Average [TS90].
Average-Case [TS90].
Averaging [Moa02].
Avoid [SD09].
Avoiding [BBD+14, DGGX15, KDGG13].
Axis [Sch95a].
Back [IT06]. Backward [AA09, Ari00, AB01, AMVW15, AMR+18, Bor10, BKS14, BKS15, BX08, CGP09, CL09, CB00, CM98, CM92b, CH99, DM04, EGTP17, GNS18, GA18, GJTP12, Gu98a, Gul95, HG18, HH92, HH98, HLT08, JTP10, KZ10, LC15a, LVV16, NH12, PRS06, RJ14, Rum15, gS98, gS98a, gS00a, Sun04, Tis03, Var94, XW07, ZS14, ADD89].
Bad [Pan16].
Balance [NW02]. Balanced [AK90, BMMT10, CFL07, HMP94, HPTH19, PR88].
Balancing [EN08, KKS97, LV06].
Band [AG91b, BGKS99, CD98, HPS15, Nab99, NV02, ZVT10].
Banded [BS15, BM99, CG03b, DK08a, GLS12, HB94, IT06, JPR93, Kau93, KS17, TS99].
Bandwidth [RS06].
Banks [CMPX03, HM04a, Jia01].
Bareiss [BBDS95].
Barycentric [Law93].
Based [AT07, AG19, AR93, Bar08, BBV19, BB12, Bér99, BDG15, BK95, Bor09, BCM95, BKK18, CKR05, CCJ+00, CH98, DV08a, FGS14b, GCG18, GR00, GZ13, HT17, HJP03, IAVD11, KO05, KP08, Li16, MMD08, MJM11, Not06, Pu13, SZ99, Saa16, STH05, SKP11, SB05, TMVN10, ZYSY20, HK12, JM196, MF20].

Bases [BDD14, BdTD11, EM10, LP17, MP12, NS94, RVV17, SV93, vdMS05].

Basic [DG91b, DD13a, Fer97, LF02b, MLV00, ZS92].

Basis [BFP95, EZ95, EMT17, Le 19, SS17, SB95, WLD18, WLM19].

Basis-Kernel [SB95].

Bauer [wC03].

Bayesian [BDR12].

Behavior [BK15, BWO07, KS20, Na98, Rog05, Tan97, TM12, GS92, Sun89].

Behaviour [KZ10].

Bézier [Béz12, Fer95].

Bezoutian [HH93].

BiCG [ASyG17, Gut14, Sim97].

BiCircle [GW07].

Bidirectional [Bar02, Fer98, GL05, GE95a, JOvdD01, JOvdD04, LGC+14, Par05, VLW06].

Bidirectionalization [Ari13, Bjö14, BB07, CGHR07, HPS15, JN03, Sut12].

Bifurcation [Wat93].

Bifurcations [BS02b, CG92, CF02, De06, Drm00b, FN40, Lim13, PP05b, RST18, XPL+18, YL16].

Beyond [CG19].

Birkhoff [Birkhoff].

Birthday [GKRV90, Mol92].

Bisection [AL98a, Ji92].

Bivariate [NNT17].

Bivariate [nTNT17].

Björck [BEG+09].

Black [AV91, MH95].

Blind [De 11, PO03].

Block [AGJ14, AL95, BDY99, Bar19, BBT05, BBT07, BOS16, BD98b, Bon00, BB07, BCN95, CSX15, CL17, CE02, CN08, CGS94, CD98, De 08a, De 08b, DN08, DRSZ07, DK15, DIFM18, Drm10, DJR+18, EP94, EG20, EG15, FMRR13].
FH17, FFH19, FP98, FST13, FLS20, GLS12, Gar90, GL03, GGV05, Gov91a, GV99, GLS94, GLH03, Har07, HLOW05, HT00, HG14, H092, HK12, HC89a, HC89b, IIM94, JMPR19, JV16, KN00, KMP01, KS20, LM02, LW20b, ML11, MVP05, Mas16, Meu92, MT00, MN97, Nec19, NY95, Not14, OW96, OYBV19, Pea88, Pes14, RV12, Rog05, SZ99, SK95, Ser98, SHZ12, Sim97, SSR20, Ste12, TW03, Wan98b, WLMD19, Wel11, ZˇS94, KP92, SS89, ES92, KC94].

Block-Diagonal [BOS16].
Block-Diagonization [MM11].
Block-Diagonalization [BOS16].
Block-Diagonalization [MM11].
Block-GTH [OW96].
Block-Iterative [CE02].
Block-Jacobi [OYBV19].
Block-LU [ES92].
Block-Monotone [Mas16].
Block-Oriented [Har07].
Block-Parallel [ZˇS94].
Block-Schur [OW96].
Block-Sequential [Pea88].
Block-Similarity [FP98].
Block-Toeplitz [CNW08, JV16, MVP05, KC94].
Block-Toeplitz/Hankel [MVP05].
Block-Triangularizations [IIM94].
Block-Tridiagonal [HO92].
Block-Tridiagonality [Bom00].
Blocking [PFRR17].
Blocks [BV90, CDGS10, CNW08, GS10b, JV16, RST18, SˇS91].
Blockwise [XG98].
Blurring [RHE14].
Boolean [DD99, Jia98, JH88].
Border [BDD14].
Bordered [Gov91a].
Bordering [BMR294].
Bottom [PS94, RE98].
Bottom-Up [PS94, RE98].
Bound [BT92, BDDY14a, DT11, EV06, FG94, Gow96, HIS18, KK14, Lás94, Lat95b, Lee95, Li99, LW05, Mat97a, RST18, SST05, Vec03, WLB05, PS88].
Boundary [ASA04, ABN09, BDC11, BL10, Che01a, JLS01, LY91, MS99, NN04, Vav92, VHE16, JN89].
Bounded [ABK11, BE07, CGGS98, CGGS99, CGSS01, Cor93, De 18, DDD20, GGMO17, GR97, KO18, Knii00, Wat01, Yan93].
Bounded-Input [Cor93].
Bounded-Input/Bounded-State [Cor93].
Bounded-Rank [KO18].
Bounded-Realness [ABK11].
Bounded-State [Cor93].
Bounding [DS97, FB95, Hig90a].
Bounds [AMPV97, AKPP08, AR93, Axe92, AW05, BT10a, Bar93b, BS15, BFM05, BH90, BSU15, CS10a, COP20, DS20a, DH93, DH97, EI98, EOS19a, FKL18, Gu98a, H120, HS16, HDT10, H15, IR08, IN09, JR13, JN93, Kit95, KA10, Kvo05, KW94, Lee96, Li93, Li95, LS03, Li05, LS07, Li16, Lie00, LZ05b, Liu12, LR99, LPT10, MSZ20, Mas16, Mat93c, Mat97b, Mat98, Mel99, Mö11, Nab00, RBB90, RK95, Rum97, Rum12, RJ14, SWYM96, Sou19, Ste91b, Sun95b, vSS96, vSS97, vSS98a, TVW15, Tru06, Wal03, WY17, WD00, Ye09, ZAK13, ZK17, vDHvdV00].
Box [AV91, MH95].
Bramble [FAT16, SW08].
Breakdown [RY05].
Breakdown-free [RY05].
Breakdowns [AGJ14].
Bregman [DT08].
Brent [YB91].
Bruhat [OVdD98].
Bulge [WE94, WA98].
Bulge-Chasing [WE94].
Bulges [Van11].
Bunch [DT11, JP93].
Byers [CT15, KZ10].
C [Joh96, Zha95, LW05].
C-Numerical [LW05].
Calculating [FSV14].
Calculations [MMH94, SY98].
Calculus [DK13, EDK16, RA02a, RA02b].
Calibrating [GS10a].
CALU [GDX11].
Can [Emb09, Fos94, HGC00, HSC04, Rum15].
CANDDECOMP [GMBS12, PTC13, dMGF14, Ste08, SO90, St12].
CANDDECOMP/PARAFAC [GMBS12, PTC13, dMGF14, Ste08, SO90, St12].
Canonical [BDD14, DDV04, De 06, DJK17, DD13a, DA13b, DD14, DL15, DS18, GZ15, HMT10, IT11, Sai19, SC05, SD17, SD15a, SDD15, SD15b, SD19, Ste11a, SL12, Ste13, Ste16a, Usc12, WC10, ZQ10, Zw17, de 90, Hoe89, WW08].
Capizzano [WW08].
Carlson [CF00].
Cartan [Tam99].
Combination [SW08, All89].
Combинаtional [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, GGX15, GDX11, GMN16, KDGG13, WSSL06].
Communication-Avoiding [BBBD+14].
Commutation [GP03]. Commutators [BK97, LS10]. commute [Stu88].
Commuting [Per91]. Commutors [CM03].
Comon [GOV19, ZHQ16].
Compact [HK12, KHH04, VMM15].
Comparison [MS02, TMNV10].
Compartmental [BH93, LW02a].
Compartmental [BH93, LW02a].
Complex [BLAK91, BMV20, CHH+15, COV14, CW96, DZ01, GHT96, GWZ05, GZ09, Har19, Hig92, HLM94, HV05, JLZ16, JP99, Koh99, LX12, Mar11a, MV07b, RVA05, Tam98, TT99, VNM14, WD94, YL08, CH88, CM92b, Hon89]. Complex-Symmetric [HV05]. Complexity [DYH06, JMRP19, KKS97, LH05, PL18, PTC13, Xia12].
Complimentarity [CC92]. Component [MYA19, RST10, Yan98]. Components [AR93, BLO04, CI95b, JS04, MTA10, Ste09, SD09, Ste12]. Componentwise [CC09, Dem92, EGTP17, GKK93, RK95, Rum97, Rum03b, Rum15, Zha93a].
Compositions [BM01]. Compressed [BDG20, HS14, JKN11]. Compressible [BI12]. Compression [BB20, Spe98, YXY20]. Compressions [FGH06, MA99]. Computable [GI96, Lie00, GI97]. Computation [ASVM04, AMM08, ABM+17, AT98, ABF16, AMVW15, AMR+18, AABK19, BL13, Bar93b, Bar00a, BL94, BLO00, BKS08, BBMX02, Bezi12, BN10, BL91, BRZ06, BH97, CIL96, CJL96b, CR16, CWY20, CDD00, DVP04, Dhi98, DD20, DJ00, Ef13, FH10, GL17, GT08, GC19, HP09, Hey95, HI15, HI15, Ian09, IS08, KS17, KL18, LC16, LB96, Mat06, Mat91, MR97, Me04, MG10, Ost10, PLM94, RDC93, SC05, SGX14, Sut12, WZ17, Zen16, Fuh88, GBCW89, O’L90, WW08]. Computational [DMP96, KBHH13, LPT10, Me04]. Computationally [BN05, BMP20].
Computations [DP15, EKNN93, Gil94, GZ13, Hig93, Koe07, LNM93, LE02, Mat95a, Vog99, WW17, YB91, GS92]. Compute [BD98a, GNP94, GO06, HMP94].
Computed [Gre97]. Computers [BMSV92, NY95]. Computing [ABL94, Ain17, AMH09, AH14, BO96, Bar02, BF11, BYDW18, BM19, BG19b, BHR10, BGN12, CI95a, CHZ16, CW96, DH03, DA05, DHH02, ES09, EW13, EM15, EHW10, FI18, FH18, Fer97, FH20, GNS18, Gen98, GHWH0, GKK94, GSV00, GL13, GKL14, GOS15, Han03, HY01, Har05, HM20, HWO98, HO98, HMMD04, JWN18, JKM11, JMM14, JS94, JN03, JCG14, KL98a, KM11, KM14, KV14, LW97, LP13, LV17, MV08, Mar11b, MOR04, MV17, MZ19, Mit20, NGB10, NH12, NS11, NP20, NS94,
PW90, QS06, QACT13, RI11, RK95, RST01, SdJL+18, Smi03, VV10, Wat92b, WD95, WLV06, Xu05, Xue96, Zha17, vDHvdV00. 
comrade [NP16]. Con [HB12].

Con-Eigenvalue [HB12]. Concave [Fou18].

Concave [Fou18]. Concavity [Gro98, KN94]. Concentration [DG19, GVK20]. Concept [Han94]. Concerning [Kir02, Wei95]. Condensed [Meh99]. Condition [AMH09, AW10, ABG07, ANT19, AW05, BDMS10, BDMS12, BGT14, Bis90, BLP90, BD10, Bor10, BK19, BV18, BK06, CT93, CD05, CC09, DBW15, DMC13, Dhi98, Drm96, ES05, GI00, GK93, GXX94, Grd10, GV07, Har05, HH92, HH98, HR14, HQ16, KKT06, Kar10, KL89, KLR98, Kir02, KPM90, KW94, LX09, Li06, LS11, LW94, LP11, LT94b, Mat95b, Mor12, PP92, RVA05, SST06, SB92, gS00a, Tan94, TTT14, Tur97, VT98, ZMW17, Ede88].

Conditional [CK00, RR08]. Conditioned [AB19a, KRS19, MX98, NV02, PAP00, Zen19].

Conditioning [BG11, BDGY20, Baz00, DP10, DP00, GTP13, HMT06, HIW15, Mal03, Nap13, SS19, TCTM00].

Conditions [BDSC11, BM00, Cor93, DL15, ES11, GMBS12, JLS01, LS10, Mas16, NNP04, Pin19, RR98, ST08, SD15b, Sou19, SDa10, SL12, VH16, ZWF05, Gdd88, OW88].

Cone [BW95, NW98, SW91]. Cones [Pil94, VF00]. configured [JH88]. Confluent. [Hig90b, Lu94, Lu95, Lu96, Lu98a, ZZ98b].

Congruence [BM20, FJ06, PR91, Hon89].

Conic [PJB10, Sec11]. Conjecture [BT03, CG15b, GKL18, JP09, ZH16, FF93].

Conjugate [AV91, BM00, BES99, BG00b, CFT16, Car18, CGVL11, CYA18, DFT92, EG00, FAT16, GRT07, GTP114, GMN16, Hal20, HS10, JX20, KL08, LW20a, LH05, Saa06, Tre05, YBZC16, Zha10b, GS92].

Conjugate-Gradient [CFT16]. Connection [BSS13, GKR89].

Connections [FN04, MBN17, Sd95, SX11]. Conquer [AA94, CK91, FLM12, GE95a, GGbCC03, LGC+14, Sut13, XQ08, GE95b].

Consecutive [DD99, EG05]. Conservative [CG03a]. Conventional [OP05].

Considerations [DHW92]. consistency [CH88]. Consistency [Han94, KN95, Pe99]. Consistent [CPTP09a, FST+13, Lissy1, Uh18, YGM09]. Consistently [Har93].

Constant [BK19, GHL03, Mit20].

Constantly [LW20a]. Constants [BT10a, Cro16]. Constrained [ALP07, AE97, AGL19, Aru92, BNM12, BMO92, Bar98, BBTT06, BOS16, BK07, CG10, CH99, DS16, FM93a, FT07, GW92, Gu95, Jam92, KP08, LY03, Mar11a, PSW12, SZ07, SS13, SdA10, WD00, ZHY16, FGS96, GL96].

Constraint [Ba05, BW09, Ca02, Do07, KG00, Log17, yPW12, ZI03].

Constraint-Style [Do07]. Constraints [AW00, CG98b, EAS98, GS10a, HS10, LMPT20, Se11, WBW98]. Constructed [AG19, Cap98]. Constructing [Chu95, DHST05, KU13, LP17].

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

Constructive [AR93, BLW15]. containment [BF89]. Continuation [BT10b, CH93c, Kan96, Ple00]. Continuity [de90]. Continuous [BET02, BZ00, CH94, WBP89]. Contour [LXSdH20, YCC+17]. Contour-Integral [YCC+17]. Contractibility [Ah98].

Contraction [BR00, CG15a].

Contractions [Nav93, JR88].

Contribution [BG11, SC05, WW08].

Control [BSZ20, BB12, BOS16, BG18, BM06, DS16, GMP03, HS10, LS95, TFL11, Yan93, Cri88, DK88, Meh88].

Control-Constrained [DS16].

Controllability [Car94, EJK90, JMO93, Tsa98, Win88b].

Controlled [MM11]. Controlling [FGM91, HN09]. Controls [BF06].

Convection [BWQ06, BGSC07, Ern00, LG06, RP10, de92]. Convection-Diffusion
Convection-Dominated [LG06].

Convergence

[AMMS08, Ano11, ADC04, Bai09, BMfY03, BJM05, BER04, BGV10, Bor09, BrD07, Cao00a, Cao08, CPZ11, CD17, CLL20, CCG+09, CG15b, DGMR00, DR93, DTMKL05, Dzin10, FNS08, FGS14a, GH92, GPS96, Guo01a, Guo02, GR97, GP04, Har07, Har19, HKV05, HMT93, IK06, Jia95, JZ99, Kni08, KN09, Kre08, KS20, LWWY14, LWWZ06, Lie00, LS04, LX06, LWWY14, MNR15, MS02, Mas95, Meh08, MH15, NOZ11, NZ16, Not03, Not16, Not19, OYBV19, RT20, RS08, SS19, SST05, SWZ11, SEM13, Sim00, SH91a, Sou19, SU94, SB01, Usc12, WC14, WCY15, WL91, Wu19, Wul05, Yan98, Yan05, Yang15, YGM09, Yan20, Bas89, KN89, SS89].

Convergent

[ASVM04, Auc91, CRS99, CRS01, GR17b, LUC18, QS06, ZZ98a, AdHN88].

Convex

[FJBd15, FS01, HM04b, Lew96, LP11, Pin19, PPLG20].

Convexity

[BDMS10, BDMS12, BLO07, HS00, KN94, KNX04, LP00, LS11].

Coordinate

[BDE+20].

Coordinates

[Mac99].

Copositivity

[Bom00].

Coprime

[OV99].

Core

[Ber09, HPS13, HPS15, PS05, Xu20].

Core-Chasing

[Xu20].

Correction

[JWN18, LS17, Sta02].

Corrections

[PL14, XLS16].

Correlated

[Par94, WA07].

Correlation

[BHR10, CdS90, HS16, Hol91, LP96, LT94a, Q506, SCPW12, FF93, GP88].

Corresponding

[AT98, GR93, QACT13, QCT15].

Cosine

[CDD00].

Cosine-Sine

[CDD00].

Cost

[RT93].

Counterexample

[BTVO3, HS00, Ko03].

Counterexamples

[JP09].

Counting

[DLT15, Fer98].

Counts

[COP20, GNP94].

Coupled

[CH97, DK15, LS19, SS91, SD15a, SDD15].

Coupling

[DS97, FNV08].

Covariance

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

Covariance-Preconditioned

[BN06a].

CP

[BBK18, FZ16, ZF14].

CP-Matrix

[ZF14, FZ16].

Cramer

[DTSV05].

Crawford

[KLV18].

Cramer

[SW91].

Criss

[BM19, LV17].

Critteria

[AM09, ADR92, Ari13, AM05, AB16b, CPTP90b, COV17, EL91, BF89].

Criterions

[AH07, FM93b, Li02, SNC02].

Critical

[AAB10, BJL08, CCG+09, DL15, ON05].

Cross

[BM19, LV17, GBCW89].

Cross-validation

[GBCW89].

Crossing

[Uhl20].

Crouzeix

[CGL18, CQ15b, GKL18, RS18].

Crystals

[HHLW13].

CS

[GNS18, Ste16a, Sut12, Sut13].

Cubature

[Sch95b, Xu15].

Cubes

[JH88].

Cubically

[ASVM04, ZZ98a].

CUR

[MMD08].

Curv

[CHH+15, CQ03, HHLW13].

Curl-Related

[CQ03].

Curve

[GPS96, KS12].

Curves

[Bez12].

Cutpoint

[KN99].

Cuts

[GN13].

Cycle

[Gr88, AD04].

Cyclic

[BG94, Drm10, GH92, Ger92, Guo03, Har07, HMR01, Mar91, Nou96, RT99, SS89].

Cyclically

[GV99].

D

[Zha95, SY00].

Dae

[BL02].

Damped

[LAN07, PTC13, Ta15b].

Damper

[TV09].

Damping

[TV15a].

Dangling

[IS08].

Darcy

[FAT16].

Data

[ADGH18, AM09, AG91b, ADHM19, AKP08, BKKL91, CGGS98, CGP09, CDLP05, EL97, EGK91, GG11, HJP03, IO16, MMD08, MU13, MW12, RK95, SNC02, Wat01, FX96].

Davidson

[HP02, HKP05, HN09, Not05, SvdV96, Sta02, SX11, ZS07].

DCT

[PL18].

Death

[Cla10, DQ02, GDL20, Guo02, Guo03, HMR01].

Deblurring

[BDSC11, BBTK08].

Decay

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

Decision

[LP89].

Decisions

[Ste16c].

Decomposability

[GDF01, SL94].

Decomposable

[DS97, Li91, MHG15].
Decompose [FT16]. Decomposing [BLW15]. Decomposition [AG88b, AL98a, BB08, BACL97, Bar02, BDD14, BBK18, BOS13, BBV19, BD95, BX08, CS01, CM92a, CG92, CGP06, CL09, CLN12, CLL20, CFG97, CDD00, CF02, CK00, DDD00a, DDD04, De 06, De 11, DG91a, DD98, DD12, DD13a, DD13b, DD14, DL15, Dri00a, Eir00, Fri05, GMN18, GL17, GNS18, GI96, dMGF14, Gra10, GE95c, GOS15, GW92, HMP94, Hem95, HMMT04, HMT10, HIW15, Hv97, HJP03, JS94, JN03, JW11, Kap90, KL92, KZ10, Kol03, Kon00, LRA93, LF02b, LS17, Lin19, MV07b, Mat93c, Mat95b, MVV92, MHG17, NAC10, NH12, O’N08, Ose10, PE95, PP05a, Rei91, Rob16, Reu02, VGV09, WZ91, Wsi90, Ye09, ZHF05, Zha17, Zha10b, AG88a, FM88].

Decomposition [Tol97, T˚um02, Van05, VNN14, WE94, WC10, XC20, Xu05, YB91, YL08, Zha91, Zha93a, ZHQ16, vdSBvdV93, CS89, CG90, GI97, IM95, WE89]. Decompositions [BE05, BG15, BvMDR97, BL10, BV18, BMP20, CGC113, CD00, CHH15, CD13, CF02, De 08a, De 08b, DN08, DCM08, DV92a, De 94b, Dem99, Di 00, DE99, DIS15, DMM08, FB95, Fel96, GP06, HY01, Her90, Her96, Kol01, LC16, LS07, MMD08, MV08, NY19, NY20, SCPW12, S891, SD15a, SDD15, SDa10, SL12, Ste16c, ZMK02, Z94, vdMR01, Gadd88].

Deconvolution [MLV00, PO03, Ya00]. Decoupling [CH06, CMT09, DIS15, KNN99, vdWM95]. Decreasing [Pan93]. Dedication [Bru88, GKR90, Mol92]. Deducive [SCBG05]. Defective [Zen16]. Defectivity [BGMM15]. Deferred [vdG93]. Deficiency [Ste18]. Deficient [EG15, Fos03, HS13, Men12, MH15]. Defined [IS11, Kar11a, PT18, Tam97]. Definite [ADGH18, AFPA07, BGN03, BW95, BKL98, BDR12, BD05, BS16, Chao0, CG98b, DH01, EG00, FMF18, GI00, GIK00, Gru06, GLV10, GHT10, Ho94, HMT09, HP02, Hu92, JH02, JSG15, KN91, LNTX11, LNTX13, LS11, Lin19, Lu98b, MV97, Mat92, Mat97b, Me04, Moa05, Nie10, NY95, NV02, OR93, Pha01, Ple00, Re02, VGY09, W191, Wsi90, Ye09, ZWF05, Zha17, Zha10b, AG88a, FM88].

Definiteness [CCL09, Roh94, XIC18]. Definitions [De 08b]. Deflated [AG14, CGLV11, EEE11, EGG11, GL13, Gut14, RN18]. Deflation [BBM02b]. Deflations [BBM02b, Dax08, EN08, KK07, Kre08, LS96, NAY12, PR12, RKN20, SEM13, TMNV10]. Deflating [MV14]. Deflations [MV14]. Deformations [EEK97, GPM03]. Deformed [GHN18]. Degeneracy [CC92]. Degenerate [CGSS01, DSC11, Mat05]. Degree [ADD96, BS90, HM04b, Lie08, Mor94, Mur98, OvV99, OvV99]. Delay [DLMT13, MG10, MBN17, MZ19, Yan93, MJM11, MF20]. Delocalization [KMS15]. Demmel [DMC13]. Denominator [Nov11]. Dense [CGHR07, For03]. Density [BKS08, LWWY14]. Departure [Lee95, Lee96]. Dependent [BK15, CZBL18, GMBS12, MMW17, PWS12, SK16, SS17, SDa10, SL12]. Derivation [BLd93]. Derivative [AMH09, BGMM92, CCH98, GL17, Koo99, KLMX0, No97]. Derivatives [ACL93, AT98, BE03, HL13, HR14, OW95, QACT13, Seb96, Sen06]. Derived [KC94]. Descent [KL08, Pan91]. Described [KLX07]. Description [De 18, FV98, Hla08, Kral91, Pop12, Ste16b]. Descriptions [SZK95]. Descriptor [BGMM92, CT91, CH06, CFL07, CT08, KLMX04, MMW18, Mm15, RE13]. Design [BIS12, DDN20, DK99, GL99, GMS92, Kau06, KB90, RD95, SNC02]. Designs [KMS01, KMS03, LP13, NW02].
Desingularization [KO18]. Detecting [GHT09, GHT10]. Detection [BV92, Bom00, DD12, MS10]. Determinant [ASA04, BlP97, BM01, CT88, FSV14, HKG09, JOvdD03, Reu02, VWB98, MP88]. Determinantal [LZ05b]. Determinants [ASA04, BlP97, BM01, CT88, FSV14, HKG09, JOvdD03, Reu02, VWB98, MP88]. Deterministic [BIS12]. Development [PGVR98]. DG [BGK +18]. Diagonal [ALN07, BV90, BMV20, CSX15, CL17, CS96a, Dav08, De 06, DK15, Joh08, LUC18, MM11, Pha01]. Diagonal-Plus-Semiseparable [Har05]. Diagonality [Bin90]. Diagonizable [JF06, LM06b]. Diagonalization [Afs08, BAMC20, BGBM93, BMV20, CSX15, CL97, CSA, Dav08, De 06, DK15, Joh08, LUC18, MM11, Pha01]. Diagonizing [BS96, Dan91]. Diagonally [AB19b, CE02, CES20, DDDY14a, DDDY14b, For96, Hu92, Li02, LZ05b, Mat09, NV94, SWYM96, Sle09, ST14, Ye09]. Diagonals [HHC03]. Dichotomy [MS97]. Difference [BDE +20, Bor03, GKK99, GT99, LNT18, MT15, SCA12]. Differences [AMPV97, CP03b, CT93, SvdVM00, Zha00]. Different [YL16, Whi89]. Differentiable [ANT19, LS01]. Differential [AEG19, BGMN15, DLMT13, EK17, Gro92, HHR99, KM96, Moa05, PPLG20, RE13, Zhi12, JN89]. Differential-Algebraic [DLMT13, EK17, KM96]. Differentiating [GTP114]. Diffusion [BWQ06, BGK +18, BGSC07, ES18, Ern00, KN20, ILNS17, RP10, de 92]. Digital [SWYM96, DB88]. Digraph [Sev03]. Digraphs [AB16b, COP20, MOvdDW89]. Dilation [GCL15, MA99]. Dimension [BGK +18, HJP03, Ost10]. Dimensional [BvdMR +97, CHH +15, GV99, Gre99, HHLW13, Ji92, JLS01, Kil99, LXXdH20, OST08, RHE14, Sch95b]. Dimensionality [NBS10, OST08]. Dimensions [WLD18, YL16]. Diophantine [BT92]. Direct [Bjö14, GK06, Hig93, Xia13]. Directed [DN11, Fit19]. Direction [GL10, HXY11, Par94]. Direction-of-Arrival [Par94]. Direction-Preserving [GL10]. Directional [gWcWL12]. Disc [LZ05b]. Discrepancy [CS10b]. Discrete [ASA04, BF06, BF93, Bor03, BD95, CF02, CFL07, C03, Cor93, DL17a, DS18, For03, Guo98, HHLW13, JLS01, JOAKt10, KO05, KH13, KLX04, Kuz15, LF02a, LgS02, Lin11, Mas16, RT93, Sun04, TCTM00, Tor97, Van08, ZS04, LP09, Meh88]. Discrete-Time [CFL07, Cor93, JOAKt10, KLX04, LF02a, LgS02, Mas16, Sun04, TCTM00, BF06]. Discrete-Trigonometric-Transform [K005]. Discretization [BGK +18, DGMR00]. Discretizations [Be06, Ern00]. Discretized [CDGS10]. Discriminant [CGHI11, PP05a, PP05b, ZLN10]. Disjunct [CdS90]. Disk [Baz00]. Disks [LO20]. Displacement [BT17, BMS17, BD95, CK91, CLG93, C095, Di 00, KC94, KO05, Pan93, PW03, RD95, DS95, GKR89]. Dissection [BV90, BHL +93, BT02, CCB +20, GTW00, HR95, SV93, Ten97]. Dissipation [MMS16]. Dissipative [MMW18]. Distance [ABK +11, Bar00b, BS16, BLO4, Dem92, DL15, Fio11, GHHW90, Gu00, GMO *06, HW98, HS16, JSG15, KMS15, Laut00, LOvdD02, Men08, Men18, Qi13, Rum97, BJ95, Pow88]. distance-regular [Pow88]. Distances [KNS97, LM06b, Lim13, Rum03a, Rum03b, YL16]. Distinct [Far16]. Distributed [ADLK01, ADV05, IO16, KP92, Voo99]. Distribution [AW10, AW05, BF11, DQ02, DD10, DK08a, FFH +19, GN03, Har99].
Distributions [BMfY03, Capo00, DMC13, DK08b, ES05, KS15, Lin12]. Disturbance [vdWM95]. Div [CZ03]. Div- [CZ03].

Divergence [CG03a]. Divergences [DT08]. Diverging [Ste08, SD09, Ste12]. Divide [AA94, CK91, LFM12, GE95a, GGBCC03, LGC+14, Sut13, XQ08, GE95b].

Divide-and-Conquer [CK91, GE95a, LGC+14, XQ08, GE95b]. Divide-and-Conquer [CZ03]. Divide [CZ03].

Divide [AA94, CK91, FLM12, GE95a, GGBCC03, LGC+14, Sut13, XQ08, GE95b]. Divide [CZ03]. Divide [CZ03].

Divide [AA94, CK91, FLM12, GE95a, GGBCC03, LGC+14, Sut13, XQ08, GE95b]. Divide [CZ03]. Divide [CZ03].
Eigenvalue

[Mac95, MMMM06a, MV17, Mat98, Mee09, Meh04, MBN17, Miy14, NOZ11, NQZ10, Ors06, PM06, Ple00, Ple06, QACT13, QQCT17, RS09, RW01, Saa16, Sec11, SCB05, SHY10, Sid95, SvdV96, SY98, SW94, SB11, Tis01a, TH01, Tis03, Tre90, VMM15, VGV09, Voo12, VYH11, WZ95, WE91, Wat93, WE94, WS00, fX96, Xue96, XE12, YGM09, YBZC16, ZS14, Zen16, ZZ98a, ZWF05, Li98a, LNTX11, LNTX13, LM03, LKK97, LE02, MV97].

Eigenvalue-Based

[ZYSY20].

Eigenvalues

[AS93, AAB10, ACL93, AT98, Axe92, BNS13, BS96, Cao09, CFJKS13, CHZ16, Chu95, cW03, C03, CG94, CDN14, CW96, DGMR00, DPP13, DH97, DK08b, Ed98, EL98, Elm97, EW13, EM15, FL02, Far16, Fer98, FG94, GN03, GM00, Guo98, HO94, Har99, HDT10, HC15, HL02, IN09, JH02, KKM14, Koe05, KPM09, KW94, Kui00, LNV92, LG08, LP08, LY91, Mal06, MR97, MS10, Mei99, Mei04, MKY14, MBN17, Miy14, MBB07, Nao00, Na98, N014, NS09, NST15, OW92, OW95, Pe90, Pe00, Pe05, Pes14, QACT13, QCT15, QCT16, RS96, Ral09, RAI11, RAV05, RI11, Roi93, RST18, SHJ09, SM16, SMM20, Ste91b, Tru06, Uh10, Wal03, Wat00, Wi08, Ye99, Zha05, vDHvdV00, Auc89, HM89, Sun89].

Eigenvalue-Based [ZYSY20].

Eigenvalues

[AS93, AAB10, ACL93, AT98, Axe92, BNS13, BS96, Cao09, CFJKS13, CHZ16, Chu95, cW03, C03, CG94, CDN14, CW96, DGMR00, DPP13, DH97, DK08b, Ed98, EL98, Elm97, EW13, EM15, FL02, Far16, Fer98, FG94, GN03, GM00, Guo98, HO94, Har99, HDT10, HC15, HL02, IN09, JH02, KKM14, Koe05, KPM09, KW94, Kui00, LNV92, LG08, LP08, LY91, Mal06, MR97, MS10, Mei99, Mei04, MKY14, MBN17, Miy14, MBB07, Nao00, Na98, N014, NS09, NST15, OW92, OW95, Pe90, Pe00, Pe05, Pes14, QACT13, QCT15, QCT16, RS96, Ral09, RAI11, RAV05, RI11, Roi93, RST18, SHJ09, SM16, SMM20, Ste91b, Tru06, Uh10, Wal03, Wat00, Wi08, Ye99, Zha05, vDHvdV00, Auc89, HM89, Sun89].

Eigenvalue-Based [ZYSY20].

Eigenvalues

[AS93, AAB10, ACL93, AT98, Axe92, BNS13, BS96, Cao09, CFJKS13, CHZ16, Chu95, cW03, C03, CG94, CDN14, CW96, DGMR00, DPP13, DH97, DK08b, Ed98, EL98, Elm97, EW13, EM15, FL02, Far16, Fer98, FG94, GN03, GM00, Guo98, HO94, Har99, HDT10, HC15, HL02, IN09, JH02, KKM14, Koe05, KPM09, KW94, Kui00, LNV92, LG08, LP08, LY91, Mal06, MR97, MS10, Mei99, Mei04, MKY14, MBN17, Miy14, MBB07, Nao00, Na98, N014, NS09, NST15, OW92, OW95, Pe90, Pe00, Pe05, Pes14, QACT13, QCT15, QCT16, RS96, Ral09, RAI11, RAV05, RI11, Roi93, RST18, SHJ09, SM16, SMM20, Ste91b, Tru06, Uh10, Wal03, Wat00, Wi08, Ye99, Zha05, vDHvdV00, Auc89, HM89, Sun89].

Eigenvector

[CZBL18, Del97, EGR99, Fer97, GR93, Gru06, Har98, JS04, Lat95b, Lu20, Mat97a, Men99, PDF16, Stu89].

Eigenvector-Dependent [CZBL18].

Eigenvector-Eigenvalue [EGGR99].

Eigenvectors

[AMS07, ACL93, AT98, BG19b, BD11, DP04, JK95b, Kuz15, Mor95, Pes14, Pow88, QACT13, QCT15, PSL90]. Either

[Ito96, ZvSD20].

Elasticity

[KNOX02, KNX04, CS89].

Eigenvectors

[AMS07, ACL93, AT98, BG19b, BD11, DP04, JK95b, Kuz15, Mor95, Pes14, Pow88, QACT13, QCT15, PSL90]. Either

[Ito96, ZvSD20].

Elasticity

[KNOX02, KNX04, CS89].

Elements

[ACST09, Be06, RW94, RP10, ST08, Ten97].

Elementary

[BTVO3, DB20, JOvdD01, JOvdD04].

Elements

[BW95, FZ14, Tn98].

Elementwise [ABN09].

Elimination

[BZ98, BDD13, BS90, CH99, DGL99, EL05, EL08, Fos94, Gar09, GP93, GT04, GL93, GG03, Go91, Go91a, GGC09, HP09, Hig90a, KU13, Li90, QXX14, TS90, YC97, HH89].

Ellipses

[EW20].

Ellipsoid

[CG10, SCPW12].

Ellipsoid-Constrained [CG10].

Ellipsoids [DN11].

Elliptic

[AG10, SCPW12].

Elliptical

[CG10].

Elman

[BGT05a].

Embedded [Bry17].

Embedding

[QCT17, BV88].

Embeddings

[BGO07, GM00].

Empirical [DS18].

EMS

[Lat95a].

Enclosure

[Miy14].

Enclosures

[DN11, FH20].

Endpoint [Bry17].

Energy

[HV19].

Enhanced [EEK99, RCH08].

Enhancing

[AB16b].

Enlarged [GMN16].

Ensemble [KMN11, JH88].

Entanglement

[NQ14].

Entries

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

Entropy

[BW95, Le96].

Entrywise [TVW15].

Envelope

[GP97].

Environment

[DG91b, DG91c].

EP [MR18].

Episodic

[HN97].

Epsilon

[SS91, Yn20, ZS94].

Epsilon-Alternating [Yn20].

Equality

[CH99, FM93a, GS10a, HS88, So92, ZH03, Zha04].

Equality-Constrained [FM93a].

Equation

[AGL98, BGK+18, BGSC07, BM96, BIP08, Bor03, Chop91b, DL92, FP17, Guo01a, GH07b, GIM08, GKL12, HK01, Ho90, Kåg94, KB90, KO15, LS10, Li99, LBL05, LgS02, LS14, LB02, Luo05, MOR16, MX09, MP11, OL99, pWjP12, RN18, SC03, Sta02, Sm04, TV09, Tsu93, Wim92, XZC99, de92].
BHH88, BC88, KP92, Özug91, Sch95a, Ts94a.

Equations [AEG19, AB19b, BWQ06, BD05, BM20, BK95, BT92, Bra98, BGMN15, C195b, CS98, CG03b, CGS+08, Che01a, CH+15, CCG+09, CFI07, CH97, CG10, CR10, D1TGVL05, DK15, DSSC11, DLTMT13, EGTP17, ESR01, EK17, Em00, FH09, Gar90, GKK99, G90, Gre99, Gu98c, Guo98, GL00b, GLO0a, Guo01b, HHRV99, Han94, HS95a, HP92b, HM97, HO92, Jou92, JL98, JOAKt10, KP99, LHRH95, LW02b, LwCKL13, Lim07, LX06, LLNS17, LNT18, LX12, LW20b, LY91, MP18, MT15, Mor00, Neu00, P19, P12, Pop15, PPLG20, RW94, RRR06, RDC93, Roh03, RP10, Sch95b, SS13, SWZ11, Sim16, SS17, s98b, VV92, WCW12, CP03a, CH93b, CL09, CYA+18, DH93, DMR90, DMM08, EGTP17, EMC17, EOS19a, EOS19c, EOS19b, FKL13, Gow96, GTTP12, Gu95, HL08, HG18, Hal20, Hig90a, HH98, HL92, IZ20, JR13, JTP10, KA10, KMN11, LW02a, LC15a, LV16, LEMCD19, LPT10, MM11, Mas16, MO20, PP05a, RBB90, RJ14, Ste05, Ste06, s500a, Van10, Var94, WY17, ZS02, ZK17, ADD89, CM99, CM92b, Ts94, VV89. Error-Controlled [MM11]. Errors [AA09, BKMS14, BKMS15, CGGS99, CGSS01, DM04, Rum15, SvdVM00, g500a, Ts03, XW07]. Errors-in-Variables [CGGS99, CGSS01].

ESPRIT [AC18, Par94]. Essentially [SGX14].

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

Estimates [AL95, BKK07, B090, DMR09, FKL13, Gru06, GKL95, GKL97, Kni04, LW02a, Lat95a, SHY10, Var94, Zul11, KL89].

Estimating [Bo90, Del97, Gre97, Guo00, GMO+06, JTP10, KW92, LC15b, SK20, SW97, TV09].

Estimation [AM09, BBT07, Bis90, BLP90, BKK07, CS01, CGGS98, GTP18, HL08, HT00, KLR98, LX09, Mat95b, Men08, Par94, PP92, SB92, SES95, Tan94, UCS17, Woz93, X94, YLA97, Pea88].

Estimators [TT14, KP92].

Euclidean [BJ95, Bry17, DS17, Drm00b, EOS19a, GHHW90, HN98, Lau00, Par99, Q13].

Euclidean-Norm [EOS19a].

Evaluation [GTJ13, Hig01, MP88].

Even [Mel01, Mel04].

Even-Mode [LF02b].

Evaluating [GTJ13, Hig01, MP88].

Existence [BB95, FMX02, HQ16, Lat95a, ZWF05, Gad88].

Exit [GN13].

Expansion-Contraction [BRR00].

Expectation [Fuh07].

Expectation-Maximization [Fuh07].

Expected [EH10].

Explicit [KK12, Kuz15, MX09, MBN17, Pop12, ST01, Ste91a, Wel11, Winn92, XPL+18].

Exploring [FT16].

Every [Ito96].

Every-Mode [LF02b].

Eventually [JS07].

Evaluating [GTJ13, Hig01, MP88].

Even [Mel01, Mel04].

Events [EH10].

Error-Controlled [MM11]. Errors [AA09, BKMS14, BKMS15, CGGS99, CGSS01, DM04, Rum15, SvdVM00, g500a, Ts03, XW07]. Errors-in-Variables [CGGS99, CGSS01].
Exponential [ASA04, AMH09, AMH10, AH14, BBS15, De11, Eh92, FH19, FH20, GG14, GN16, Hig05, KL98a, KL18, LNT18, NS11, Nov11, PS08, So92, SW91, SD12, ZMK02].

Exponentials [SGX14, WY17, Ber88].

Exponents [DL03].

Expressed [LP17].

Expression [XPL + 18].

Expressions [CHW10, TL06].

Extended [BM19, CGRV20, DK98, MNR15, MV14, MP95a, QL99, ZF13].

Extension [BB96, BvdMR + 97, Bom00, Jia01, Kol03, MSS19, Pål11, Tre90, Zhe96, Zhe98].

Extensions [CGL18, HN90, JMW96, Bar89].

External [SZK95].

Extrema [Nie10].

Extremal [GZ09, GL13, GKL14, HLW94, KW94, TL06, Wim88a, Zha05, PR98].

Extremality [GWZ05, JP94].

Extreme [BGN12, DK08b, LC15b, LT94a, Mel99, Nie10, ZSY18, vDHvdV00].

Extrinsic [FL19].

Eye [LM06a].

Facial [LP96].

Factor [BHR10, CS10b, DD13a, DT11, Gem98, GGL04, Li95, NNF14, SDC + 12, SdA10, Wat92a, BK89, Zab89].

Factored [BS02a, BS02b].

Factoring [CB90, Gil13, JP94].

Factorisations [CI94].

Factorization [AP02, Ari00, AL95, BBD + 14, BF11, BFM03, Bér99, BHP03, BM10, CRRU08, CPS97, CH98, Cle00, DDY14a, DD97, DH99, DO10, DGGX15, DG506, DOV94, DT11, EL92, FP16, GP93, GH91, GT04, GTW00, GNP94, GSS96, GO95, GK15, GMRS00, GDX11, Gu95, Gu001b, Gu02, HY01, HJOvdD03, HT17, IUM14, JMM14, JZZ20, JOvdD01, JOvdD04, JP93, KDDG13, KP08, Le 19, LRN06, LGWX12, Liu90, LEMCD19, LN14, MV13, NS18, NP96, NR99, OV99, Ogi10, PK93, PK94, PN18, PM06, PW14b, PL97, QXX14, RR94, RODS15, SYJ00, SV97, SV05, VP93, WLMD19, Woz93, WT11, XCC14, XG10, XX17, XQ08, Zha01, ZFW07, BBDS95, CH88, DY90, Liu88, Naz89].

Factorizations [ADGH18, ANT09, Bez12, BCOM95, CS10a, CPMX03, CK12, DK00, DN11, DM05, EMC17, rFO06, Fos03, JMRP19, LC05, MMT05, MW01, Nap13, Ogi10, RJ14, STvDD17, SMBJS13, SB92, Ste93a, WL12, CF89, JOvdD89, Wri97].

Factorized [KY93, MNR18].

Factors [GL93, dMGF14, LS03, Li95, LB96, PR01, ST06, Woz93, ZZS02, ZZS04, HH89].

Fail [Emb09, Fos94].

Failures [EM00].

Falk [SH91a].

Families [GWZ05, GZ09, MA19].

Fan [FHL15, LR98b].

Fare [Rum15].

Farenick [Ikr97].

Fast [AP94, AMVV15, AM + 18, BB08, BDSC11, BIS12, BES15, BBD + 16, BOC197, BBTK08, BL94, BEG + 09, BEGG07, BP98, BK95, CS98, CG03a, CDG + 05, CGP06, CDG + 07, Di 09, DV08c, DV08d, GR17a, GS03, Gu95b, GMD + 06, GO11, GGO13, HB12, HP09, HR00, HR04, HG14, HLO99, HHLW13, JMRP19, KS17, KL18, LX09, Law13, LHC16, LW20b, Lu94, Lu95, Mar11b, MLV00, MTV10, Mny14, Mön11, NRT92a, NP02, OST09, PK93, PK94, PP92, PPLG20, Re91, Rod06, STvDD17, SB03, Ten97, UCS17, VS14, VP93, XCC14, XCC15, XK94, XE12, XCC + 17, ZFW07, ZLN10, ZZ98b].

Faster [AB13, ACW17, BJSMS17, Nec19, Not05].

FastMap [Ost90].

Fat [HH03].

Fault [BBGL92].

Fausett [Zha95].

FE [BGK + 18].

Feasibility [AM09, CE02, FM93].

Feasible [Kr19].

FEAST [TP14].

Features [NSCS10].

Feedback [BGMM92, CCH98, CMT09, KLX04, RE13, Yan93, Zab89].

FEM [GSCS15, KA10].

Fenchel [Zha10b].

Few [EW13, GVK20, LC15b, STT17].

Fiber [Kau06, SD19].

Fiedler [AB18, BdTD11, DDM10, NP16].

Fiedler-comrade [NP16].

Field [LWWY14, LM18, RW01, YGM09].

Fields [Fay95, LO20].

Fike [wC03].

Fill [BFM03, HP09, ZFW07].

Fill-In [BFM03].
Filter [CMPX03, GRT07, GW00, HM04a, KMN11, SCA12, DB88]. Filtered [BKS08, Sao06]. Filtering [ET10, MBM08, dKV10, KCT90]. Filters [Sor92]. Filtered [BKS08, Saa06]. Filtering [ET10, MBM08, dKV10, KCT90]. Filters [Sor92]. Finding [BBTT06, BBTK08, Bor14, CG15a, DYY16, Fei94, GPS90, GZ09, LNP93, LGL16, NQZ10, OW96, Pil94, SD12].


Fitting [EGK91, SCPW12, Wat01, GBCW89]. Five [MV88, TS99]. Five-diagonal [MV88]. Five-Point [TS99]. First [BS10, DD08, DDD20, HNT99, MA20, SSR20, YGL18, Zab91]. Fixed-Point [SSR20]. Fixed-Precision [YGL18]. Fixed-Rank [MA20]. Fixing [He00]. Fletcher [YBZC16]. Flexible [CGLV11]. Floating [DJ00, JR13, Tis01a, Rum91]. Floating-Point [DJ00, JR13, Rum91]. FLOPs [LN14]. Flow [AL98a, BL02, KN09, Lag91]. Flows [DRTW91, KLS16, LX12, Mat05, Uhl20, WE90, WE89]. Fluid [CGS94, LX12]. Focused [BBM02a]. Foley [ZLN10].

Following [LM18]. FOM [FLS20, Meu11, Meu17]. Form [Bea01, BT12, BT13, BDG20, Gei91, GL03, Gk06, IT11, Lu05, Pai09, Par92, SC05, Ste11a, Ste13, VVM05, de 90, Hon89, WW08, LK95, Mur91, Mur93]. formal [Tre88b]. Format [DK13, EDK16, Krä19, LC15b]. Formats [MK20]. Forms [Ain17, BD93, Ca09, Cov17, EM00, GG02, GITT96, KMP01, LS11, Mai99, Meh99, NTTZ18, Nie10, RODS15, SZK95, TMV18, TU91, Zha10b, LT89]. Formula [AG91a, BI99, CFG98, MBN17, Nof17]. Formulae [Ste91a]. Formulas [Sch95b, Wel11]. Formulation [CFG97, DS18, PS04, RCG96, VZ91]. Formulations [FH17]. Forward [PL93, Wat95]. Found [Kui00]. Four [BZ00]. Four-Coefficient [BZ00]. Fourier [BIS12, BDGY20, CM03, DL17a, HHC03, HK12, Kuz15, Pul13]. Fraction [BL00]. Fraction-Free [BL00]. Fractional [BBTT06, HL11, H13, IM13, KNW20, ILNS17, PLGL20]. Framelet [HM04a]. Framework [ABMV20, GGLN13, Gut14, KBHH13, RVV17]. Fréchet [AMH09, GL17, HL13, HR14, KL98a, Nof17]. Free [BL00, EMC17, LEMCD19, RV05].


Function-GA [Le 19]. Functional [BKS08, Le 96, LWWY14, Mei04]. functionals [Per88]. Functions [ALAK94, AB16a, AB18, ACL93, AH16, ABF16, Au00, AABK19, AHH01, BIS12, BKS18, BS15, BV00, BH08, BD05, BZ00, CH94, DH03, DMS09, DMS12, DMR09, DK98, EGG11, FKL13, FGS14a, FGS14b, FLSS17, MLS20, GTJ13, GG14, GMRS00, HK08, HMTM05, HR14, JRZ99, KB93,
KO14, Kra95, KH13, LMZ03, Le 19, LS01, MNT10, Mat93a, Mat95b, MYK14, MS18, PP05a, PT18, QY04, QCT15, QCT16, RST01, Sen06, Ser96, VFGM05, BN88, GBCW89, KL89. **Fundamental** [Bar00a, Hey95, HO98, ST01]. **Fundamental/Group** [ST01]. **Further** [Djo08, YY10, YY11, Zhe96, Zhe98]. **Fuzzy** [GLP01]. **G.** [KO05]. **GA** [Le 19]. **Galerkin** [PU14, CG96, EU10, PU10]. **Galton** [HM20]. **Game** [MOC91, Tro90]. **Games** [MOC91, Tro90]. **Gap** [HM20]. **Gaps** [BD09, DI19]. **Gauss** [FMRR13, Kau92, MNR15, PTC13, SB03]. **Gaussian** [AW10, AW05, BT10a, BZ98, BS90, CD05, DGL99, Fos94, FM93b, Gar09, Gou91, Gov91b, GGC09, HH89, Hig90a, Le 19, LF02a, TS90, WA07, Wan15, Xu15, YC97]. **GCDs** [BL00]. **GCR** [JRG09]. **Gene** [Mol92]. **General** [AC18, BAMC20, CSX15, CL17, Cao08, CK00, DS19, Ge91, GIKT95, GS90, JOAKt10, Lu10, MS02, MPS01, NY95, SZ99, SWZ11, TT99, XX17, Zha04, CLS88, DY90]. **Generalization** [Ben09, EM10, Fay95, HSC04]. **Generators** [Pil94]. **Generic** [CO12, COV14, Cho10, DD08, DD16, DDD20, DL15, Ste08, SD09, VNV14, WC14, IM95]. **Geodesics** [Bry17, MA20]. **Geometric** [AFPA07, BD93, BS10, CR16, CF00, DQ02, De 18, DL02, EKK97, EKK99, FI18, FL18, JK95b, KN09, Krâ19, Lim13, Mao05, ML89, MGS20, NQB14, ZPW18]. **Geometry** [BDD13, BF06, EAS98, FL19, Lin19, MA20, QC16]. **Give** [Nie10]. **Given** [BHH+08, CPTP09a, HP09, Næv93, Peñ95, Whi00, X96, YB91, dF05, BN88, HPBR99]. **Givens** [DV08b, GO95]. **Givens-Weight** [DV08b]. **Global** [BBT05, BBTT06, BBTK08, BM01, CG03a, Drm10, FP98, Gow96, Har19, Men18, WC14, WCY15, Yan20]. **Globally** [Auc91, LUC18]. **Glued** [PV09]. **GMRES** [AGJ14, BJM05, BGT05a, BR08, BW97, CG15b, ES12, FL13, GPS96, HY110, JRG09, KN00, KS10, Lie00, SS19, SEM13, TM12, Toh97]. **GMRES-Equivalent** [Kn00]. **Goal** [BvdG11]. **Goal-Oriented** [BvdG11]. **Gohberg** [AG91a]. **Golden** [Lim07]. **Golub** [Ari13, HPS15, Mol92]. **Good** [MMP06]. **Google** [WW08, LM06a, SC05, WI09]. **GP** [MR18]. **Grade** [DDD20]. **Graded** [L105]. **Gradient** [AV91, BM00, BES98, BG06b, CFT16, Car18, CYA+18, DFT92, EG00, FAT16, GRT07, GNN16, Hal20, HS10, JX20, KL08, KN09, LW20a, LH05, MM94, NOZ11, YBZC16, GS92]. **Gradients**
[CG03a, GTPT14]. Gram [PRS06, Bar19, BP92, Di09, GGL04, GMRS00, HI15, Ste05].

Graph
[AEGL19, AR93, AL98a, BSS13, BGH+06, BHH+08, Bor09, FT14, Fit19, FV98, FC01, GPS90, GHN18, GMS90, GM00, KA07, MP12, PV17, Van08, dF05, vdWM95].

Graph-Theoretic [vdWM95]. Graphs [BJL98, Fie00, FT16, GTJ13, KN99, Lew91, Pe˜n98, PSL90, Pow88]. Grassman [Mac99]. Grassmann [BBBT20, CDH12, ES09, LE02, QZL05, XPL+18]. Grassmannian [LWY19].

Greedy [ABM+17, CB00, MHG17, NR99]. Green [HK08, Nab01]. Greville [ZZLY02].

Grid [DFT92, PV17]. Grids [AC18, BHL+93, RW94]. Gr¨obner [BDD14]. Ground [Bar08]. Ground-Based [Bar08]. Groups [DL03, HMMT04, HMMT05]. Growth [BZ98, DT11, Gou91, KN04, Mat92, Mat98, Meh04, MM17, MYK14, MT00, NY19, Wien06, Y03, ZHZ05, dF05].

Hermitian-Generalized [ZH05]. Hessenberg [BEG+09, BDG20, BEGG07, BKK18, BGH95, DV07, GL03, GR17a, Knt04, PP11, ST06, ST09]. Hessian [M¨on11]. Heuristic [GK15, Sal88]. Heuristics [AR93, NR99]. Hidden [MN97, ML89]. Hierarchical [ADGH18, DHM19, EZ95, Gra10, Le 06, LRSV13, QXX14, XX16, Xia12].

Hierarchically [CGP06, HG14, LHC16, Mar11b, XC18]. Hierarchies [DK14]. High [AB19b, BB20, MM03, GL18, HLW94, LXSdH20, LM18, WLD18, ZG01, JP94]. High-Frequency [BB20, LXSdH20]. High-Order [GL18], high-performance [JP94]. Higher [BE03, CG03a, DDV00b, De 08a, De 08b, DN08, DSD17, GLPS11, HR14, IAVD11, KR02, Men08, Sal16, SK20, SQ13, VAG10, Zab89]. Higher-Order [CG03a, DDV00b, De 08a, De 08b, DN08, DSD17, GLPS11, HR14, IAVD11, KR02, Men08, Sal16, SK20, SQ13, VAG10, Zab89].
Inequality [BSS13, BD93, DGIM15, Fou18, GG02, GS10a, GLT96, HM90, LZ97, yPWjP12, Sch05, VBBW98, ZY93, Sch95a].

Inertia [BS91, BS94a, CHW10, FGM91, HS90, Loe90, TU91, PR88].

Inertia-Controlling [FGM91].

Inertia-Preserving [BS91, BS94a].

Inertial [Wim06].

Inertias [CD98, Dan93].

Inexact [AGJ14, BMS06, BF05, FHS09, GTI11, JR08, LM98a, LZ10, Not03, RSS09, SX11, XE10, XE12, vdES04].

Infinite [GLP01, GP04, JMM14, KMS01, KMS03, Mae98, OS09, Wat00, vdMS05].

Infinite-Horizon [OS09].

Infinity [BET02].

Inflation [Stu88, Stu89].

Information [BR05, DIS15, CT88].

Inherited [JOvdD89].

Inner [AV91, CGLV11, DS18, HN09, IZ20, JR13, MH13b, MH15, Rod05, SX11, Wan98b, ZHY16, CF89].

Inner-Iteration [MH13b, MH15]. inner-outer [CF89].

Input [AD98, BMU94, MX98, Mim15, HJ89, Meh88]. input-output [HJ89].

Input/Bounded [Cor93]. Inputs [AB19a, BOS16]. Insights [RST18].

Instability [HW98, HO98, Men18, PL93].

Instances [Lau00]. Integer [CG10, Lin11].

Integral [Che01a, HK08, LY91, Vav92, YXC+17].

Integration [DL02, LXSdH20]. Integrators [GG14, Nov11]. interaction [GBCW89].

Interactions [RST18]. Interface [CM92a, GL99].

Interior [CH93c, FS01, LV10, LF13, Me08, Wir95, FGS96, Wir97].

Interior-Point [LV10, Wir95, Wir97].

Interlacing [BO96, HP92a, HS95b, Tam99, dF05].

Interleaved [LRN06]. Interpolants [BL00, Law13, LC15a].

Interpolating [AT07, AABK19, BB12, DS18, DSZ14, FG15, GVV04, JSG15, MV97, VZ06, MH95].

Interpolation-Based [BB12].

Interpolative [XC20]. Interpolatory [Sai16]. Interpretation [EV98].

Intersection [BW95]. Interval [AM95, AM09, AM05, FM93b, Gar90, Gar09, GP04, HDT10, JR99, LF02a, Neu00, Pop15, RR98, Roh93, Roh94, RK95, RR96, Roh03, Zha05].

Intervals [HS90, Peñ05, SH90].

Introduction [MG92, NP99]. Invariance [DDL14, Lew96]. Invariant [BSVM04, AKPP08, BD98a, BER04, BKS08, BT10b, BHM97, BK96, BS02a, DHTW92, DL15, DLM913, FM02, GS03, GP16, HM90, KK14, Kre05, Riy14, PLM94, QZL05, RR08, Rod05, SS19, Sai19, VF00, VJ07, WLB05, Zab98, Zha99, dSV01, LT89].

Invariants [AJRS13]. Inverse [AH16, AHS00, Bai05, Bel06, BMS06, BS02a, BW93, CCS05, CGRVC08, Che01a, CLNW20, CG98a, CKL04, CC17, CHMW20, DBW15, DMS09, DMS12, DMS13, DLM04, EW13, F118, FF99, FSZ14, FMJ18, Fri92, FHS+94, GG02, GN13, GIT96, Gov91b, GT11, Gre05, GHL03, GH06, HLW05, JS07, KM16, Kau92, KK12, KNW20, KOSvd07, Kir95, KNS97, KN98, Kn04, KN91, KLX07, Lan07, LZ14, LGL16, LM03, Ln10, MMS94, MSZ03, MH13a, MS10, Mue92, NV94, Nab99, Ogi10, Ors06, PDF16, Pat00, RR08, RW01, ST01, SW98, Tan99, TWW00, Uh18, Vec03, wVjBqJ11, Wan98b, Wei96, WLB05, fX96, XSW10, YBZ16, ZWF05, vD99, FM88, KY93].

Inverses [BMF05, BM02, BS02b, CLG93, Djo08, DG19, ES08, Eit92, HH93, HR00, KM96, MNST96, SHS03, LP89].

Inversion [AK20, AHH01, BLNT13, BC10, CM93, GR17b, HH94, PK93, PK94, PW03, RR92, Ste91a, XXCB15, ZZ98b, CJL96a, DV06a].

Invert [FS10, HL06]. Invertible [WCW10].

Inverting [FP16]. Involutory [IZ04].

Involving [Ain17, AG91a, FF94, SD12, ZZ98b, Zha95].

Irreducible [Art96, FGJ00, FG94, GR93, Kir95, LGL16].

Irregular [GLS12, RW94]. Isometric [FV98].

Isometries [BvdMR+97].

Isometry [BT10a]. Isotropic
[Kre05, MS18]. Isotypic [MOR04]. Issue [DCM08, Ips06, Ips09]. Issues [Ari00, Mei04, Més08, SV97]. Iteration [Ben09, BMS06, BX08, Dan91, ESR01, EW13, Emb09, KZ10, KO14, LS96, Leh01, LWWY14, LGL16, Lu05, MOR04, MOR04, MOR16, MS10, MP11, MH13b, MH15, NGB10, Not03, Nou96, RSS09, RS08, Saa16, Sai19, SdV96, SY98, SX11, TP14, XE10, YGM09, YLA97, ZHY16, de 92, AdHN88, BF89, Lag91, San88]. Iterations [ASVM04, AV01, BKS08, Bor09, BPS05, CNP94, GVK20, Gao19, HMMT05, HN09, Ian09, IKS01, NS07, NRT92a, NH12, NOZ11, STT17, ZZS04]. Iterative [O'L90].

J [Ano11, CH93a, GI97, HC89b, WW08, Zha95, Ikr97]. Jacobi [CS96a, DVB92v, Dmt96, DV08c, DV08d, Drm10, DK08b, Hac93, Har07, HM89, HPS15, HP02, HKP05, HH10, IAV13, KHH04, Kn04, LUC18, LR05, Mac95, MV08, Mas94, Mas95, Mat09, Mat95a, Meh04, Meh08, Not05, Nou96, OYB19, SS89, SdV96, Sta02, SX11, Fx96]. Jacobi-like [Meh04]. Jacobi-Type [LUC18, MV08]. Jacobians [HK909]. Join [BV18]. Joint [Afs08, BN05, BN10, BACM20, CSX15, CL17, DF20, Job08, JCG14, LP09, Pha01, PJB10, WA07]. Jordan [WW08, BF207, MMT08, MV17, MBO97, MD03, SC05, Ste13, Wei11]. Kaczmarz [MN15, Nec19, ZF13]. Kahan [Zhe98, Ari13, HPS15, Zhe96]. Kähler [JVI16]. Kalman [KMN11]. Karcher [Zha17]. Karlsion [GJP12]. Karmarkar [MT89]. Kaufman [DT11, JEP3]. Kawasaki [FP17]. Kemeny [BK19]. Kernel [AC20, ACW17, BWQ06, MTV10, PP05a, SB95, WLM1D19, XC20]. Kernels [WLD18]. Kinematic [GKK99]. Kinematics [DS17]. KKT [FJ97, IKSG10]. Known [AD02, CHMW20]. Kohn [LWWY14]. Kreiss [Mit20, TT99]. Kromecker [BT13, HC89b, Zha95, Bar98, Ben01, BS15, BT12, DD07, DD08, EK96, FF94, FP00, GP98, GMN18, Gre05, HL17, HC89a, IT11, KN00, MV07a, NN04, RHE14, SB03, de 90]. Krupnik [Ikr97]. Krylov [Ste02, BER04, BG15, BR05, BF05, CFT16, DMR09, DKIM18, DK08, DSZ14, ES8+12, EN08, Err00, FSG14a, FLS20, GGL13, GMN20, GG14, GOR14, GT11, GPTPV16, GMN16, GS00b, Gut14, HS95a, JK97, KO15, KJH16, KJ10b, KTL11, LM98a, LY03, MJM11, MH13b, NZ16, RS02, Saa97, SS13, Sd95, Sim00, Sim16, SdV96, SSR20, Ste01, VMM15, WY17, ZH17, vDES04]. Krylov-Based [MJM11]. Krylov-Subspace [CFT16]. Kublanovskaya [GKV90]. Ky [FHLS13, LM98b]. Largange [AT07, Law13, LC15a, Nie10]. Lagrangian [AW00, FMX02, GCS15, LW97, MP12, RR08]. Lambert [FHI15]. Lanczos [BDY99, BKS08, BF00, BES98, BBGL92, CD15, CZ02, Day97, FKLR13, FLSS17, GVK20, GS92, GLS94, Gut92, Gut94, GR00, HL06, Huh02, Jia95, JN03, Jou92, KW92, KW94, Ku00, MOR04, MB10, Pai10, PP11, Pai19, SDJL+18, UCS17, WSO0, Wül05, XK94, ZSJJ18, vDHV00]. Lanczos-Type
[GR00]. Landscape [CLL20]. Langemeyer [SH91a]. Langville [IK06]. Laplace [KK12, RN18]. Laplacian [BSi3, Gre92, GHN18, GMS90, GM00, HO15, KNS97, KA07, LY91, PV17, STvDD17, TS99].

Laplacians [CL99]. Large [ABM+17, BMfY03, BSFM10, BYDW18, BKS08, BHM00, BGKS99, BrD07, DK99, DK01, ES92, EW13, Ff18, FFM93a, GH07a, GAB08, GHL03, HXY11, HH89, HP92b, IO16, Jk95a, Jia95, KM11, LC15b, LC16, LS06, LwCKL13, Lkk97, MS10, Men18, MZ19, NY95, OS09, PR12, Reu02, SS13, Sim16, SK16, SY98, SCA12, Ste01, Ste02, WZ17, WS00, XCG10, Zha95, ZSYJ18, ZS07, HC89a, HC89b].

Large-Scale [ABM+17, BYDW18, ES92, Ff18, FM93a, GAB08, HXY11, KNS97, LC15b, LwCKL13, LC99, Men18, OS09, PR12, SS13, Sim16, SK16, WZ17, ZSYJ18, MZ19, HC89a, HC89b].

Largest [Ano11, CPZ11, DSD17, GR93, JN91, KW92, NQZ10, OW92].


Laurent [HM04a, Tre88b]. Law [BZ07, CG03a, Djo08, BHKR11]. Layered [BKKL91, KT10a]. LCM [Wan98a]. LCP [Mor94].

LDL [XXC14]. LDU [DDY14a].

Leading [EG15, GS10b, JV04]. Learning [PSS19, Van98]. Least [ABG07, Aru92, Ant09, BG11, Bar98, BBT05, BBT16, Ben99, BN06b, BPE94, BES98, BHM00, Bjö14, BV01, BHP03, BX05, BV95, CGCD13, CNP94, CGS98, CPTP09b, CGP09, CG10, CH93b, CLL20, Ch91, CG98b, CK91, CHMW20, CC92, CH99, DN08, DHZ03, EL97, EP94, EOS19c, EOS19b, FF94, FB94, For96, FS01, GS10a, GHO99, GTJP12, GTP13, Grc10, Gu98a, Gu98b, GW92, Gu95, HG18, HY110, HXY11, HPS711, HG14, HM97, HV97, IW14, Jam92, KS92, KLR98, KP08, KT10a, LY03, LS06, LW20a, LPT10, Mal04, Mal03, MVP05, Mar11a, MLV00, MH13b, MH15, PRS06, PO03, Rei91, RG05, Rod06, RPG96, RPG98, Rum12, Sha95, SC03, STT17, TETA05, Uscl2, VZ91, Van92, WC14, WCY15, Wei92, WD00, XCC14, Yan20, ZH03, ZHY16, ZMW17].

Least [ZZLY02, ZF13, O’L90, Qia88, VV88, VV89, Zha95]. Least-Index [CC92]. Least-Norm [EOS19b].

Least-Squares [ANT09, BG11, Ben99, BX05, CGS98, CK91, EL97, EOS19c, For96, FS01, HG18, HM97, LS06, Mal04, Rod06].

Lee [Kir92, KN94].

Limit [BK15, DD10, DK08a]. Linear [HHRV99, HK01, RCH08].

Linear [ARG19, ADC04, ABG07, Art96, AGL98, Ant09, Bai99, BGN03, BL12, BL13, BDHS11, BFZ07, BSFM10, BEBT07, BF06, BGT14, BES98, Bom00, BM06, Bor03, BT92, BAMA20, BF05, BCW12, CT91, CP03a, Ca05, Cap98, CP03b, CE02, CI95b, CS98, CG98, CG30b, CGS+08, CPTP09b, CH93c, CFL17, CRR93, CGH11, CCG2, CHL00, CG96, DGMR00, DK05, DTGVL05, DD12, DPI06, DPI16, DPI17, DPI20, DPT17, DPI20, DPI20, DPI20].
Din98, DS16, DS95, DLMT13, ENV92, EHVp04, EGTP17, ES12, ES92, EG00, EOS19c, EL91, FXG18, FM93a, For96, FS01, FHLS13, FJ99, FNS08, FKLR13, Gar90, GL03, Gil13, GLT96, GKK99, GRT07, Gow90, GS94, GS02, GR15, GT11, GJTP12, Grc10, GCL16, GV09, Gu98a, Gu98b, Gu98c, GAB08, GHL03, GHR95, GW92, Gu95, HLT12, HL08, Han94, Hart05, HH92, HPS13, HLT91].

Linear [HLM94, HJ89, JT98, Jou92, Kan96, Kar11a, KGW00, KLR98, KC09, KS08, KO14, KJH16, KT110, KT11, KIX04, LW02a, LWXZ06, ILNS17, LNT18, Loe90, LEMCD19, Lu94, Lu95, LT94b, MNR18, Mal03, MP95a, MG92, MV07b, Mat92, MR97, Mee03, MB10, MMS18, MMW18, Men12, Mint15, MN97, MO20, MPS98, MPS00, NV94, NRT92b, Naj98, Neu00, NY95, Not19, Oso08, PS05, PYHK93, PP05b, PR88, Pop12, Pop15, QL99, RT93, RT20, RK95, Roh03, Rum12, STVDD17, SdA10, SL12.

Linear-algebraic [CRR93].

Linear-Time [Bom00, DD12].

Linearization [HLT08, HLT90, HMT09, LNT18, Loe90, LEMCD19, Lu94, Lu95, LT94b, MNR18, Mal03, MP95a, MG92, MV07b, Mat92, MR97, Mee03, MB10, MMS18, MMW18, Men12, Mint15, MN97, MO20, MPS98, MPS00, NV94, NRT92b, Naj98, Neu00, NY95, Not19, Oso08, PS05, PYHK93, PP05b, PR88, Pop12, Pop15, QL99, RT93, RT20, RK95, Roh03, Rum12, STVDD17, SdA10, SL12.

Linearized [HKBM08].

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

Lines [LF02b].

Link [De 06].

Liouville [Ma06].

Lipschitz [BLO07].

Lipschitzian [MNT99].

Loadings [GMBS12, SdA10, SL12].

Local [ALN07, Art03, CYA18, FGM91, FP16, GS03, Usc12, Gad88, Sm89].

Locality [To97].

Localized [SS19].

Locally [AG19, Cap00].

Locating [BNS13].

Location [GKV20, Lin03].

Locations [BB98].

Log [DGM15].

Log-Det [DGM15].

Logarithm [CR16, CHK01, DP00, FH18, Hig01, KV98a, Zin17].

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

Logarithms [DMP96].

Look [AD98, GR00, SK95, CH92, CH93a].

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

Looking [LEMCD19].

Loop [Bé09, Guo98, CL120].

Loop-Based [Bér09].

Lorentz [AYLR04, ZSYJ18].

Loss [BP92].

Lossless [RD95].

Low [ADGH18, AG88b, Asw16, BR19, BYD18, BKS18, BGD20, CCB+20, CWY20, CS09, COV14, CP03c, CDLP05, CK20, Dax08, DD07, DD16, DI19, DWWY20, DL17b, ES18, Fou18, GMN20, GG11, GQ14, GC19, GL13, HM20, IAV11, IAV13, IUM14, JM19, Jkn14, KJ12, KB90, KL07, Kol03, KO15, KK17, KT11, LC16, LW02b, LS17, Lie08, MU13, MK20, MD05, NS11, Nie17, OSS14, PTC13, SCPW12, SS10, SC10, Ste08, Ste13, TTT17, Tas12, TYUC17, UV10, VY10, WC15, VCC16, XLS16, Yan20, XXY20, YGL18, ZZ09, Zs02, Zs04, dSL08, dTD08, vd99].

Low-Nonnegative-Rank [DWWY20].

Low-Order [KB90].

Low-Rank [ADGH18, Asw16, BYD18, BKS18, CCB+20, COV14, CDLP05, CK20, Dax08, DD16, DI19, DL17b, ES18, Fou18, GMN20, GG11, GQ14, GC19, GL13, HM20, IUM14, JM19, KK12, KL07, Kol03, KO15, KT11, LC16, LS17, MU13, NS11, OSS14, SCPW12, SC10, Ste08, Ste13, TTT17, Tas12, TYUC17, UV10, XLS16, Yan20, XXY20, YGL18, ZZ09, Zs02, Zs04, dSL08, vd99, MK20].

Low-Rank-Plus-Shift [ZZ99].

Lower [AR93, AW05, BSU15, DS97, Lás94, LW05, Li06, MM08, RST18, Vec03].

Lower-Bounding [DS97].

Lowest [PL18].

LSLQ [EOS19b].

Lyapunov [CT15, BES15, BH90, BD05, BC88, BN87, CFL07, CH97, DL03, EW13, HS95a, HP92b, KO15, LS10, LW02b, MPR18, MZ19, RDC93, SS17, TCTM00, TV09, TV10].


Maintaining [BBM02a]. Majorization [Bap89, KA07, KA10, MSZ20, Zha17, ZK17].

Majorization-Minimization [Zha17]. Make [JRG09]. Manifold [Bry17, DL02, Din98, Fio11, LEo2, MA20, Zim17].

Manifolds [ANT19, CDH12, GL18, LW15].

Manufacturing [CCZ97]. Map [ANT19].

Mapping [MMT08]. Mappings [GTH19a, Gow90, VZ06]. Maps [CS96c, FHLS13, GTH19b, Loe90].

Marginals [SH91b]. Markov [Bar93b, Bar00a, BF11, BHKR11, Bor09, BPS05, Buc00, BrD07, CCZ97, DS97, DA05, DR93, DWWY20, ES08, EHW10, Ger92, Hey95, HO98, IM94, Kir02, LP99, LM06a, LFW13, LX12, Liu12, Mas16, Mey94, O’C02, OW96, ST01, TVW15, XG98, Zha93b].


Mass [AK20, BB96]. Matching [KO14].

Matchings [HS13]. MATLAB [GMS92].

Matrices [ABL94, ADGH18, AB05, ABK+11, AH07, AG91a, ADMZ18, AC20, ADHM19, AG88b, AG92, AD02, Arg15, AM05, AFPA07, Art96, AL98b, AKP08, AYL04, AB13, Axec92, BBS15, BDE+20, BT10a, BMFY03, Baoi5, BNW09, BIS12, BW95, BRR00, BO96, BOC117, BV92, BZ98, BDGY20, BYD115, BZ05, BR08, BT17, BMV18, BOS13, BT06, BS15, BMF05, BS11, BS94a, BBD11, BDG15, BDG20, BB98, BH08, BE03, Bin90, BD90, BEGG07, BLP90, BS96, BLAK91, BN10, BCR11, BKK07, BD98b, BD10, Bm00, BS10, BHH+08, Bor09, BJMS17, BW99, BGKS99, BET02, BV07, BCN95, BS94b, BD15, BMP20, BGH95, BM20, BCGG10, CM93, CCS05, CRKU08, CS01, Cao02, Cao09, CT99, Cap00, CE12, CCJ+00, CGRVC08, Cav94, CO99, CDG+07, CPTP09a, CFJKS13, Che98, CD05].

Matrices [CC09, CG15b, Chn91, CE94, CFG98, CK91, CS10b, CC17, CM03, CGS94, CRS99. CRS01, CLG93, CC92, CHLS00, CW96, CKP11, CP20, CB90, DDY14a, DDY14b, Dan93, DS97, De 08a, DL02, DP10, DP15, DMS09, DMS12, DMS13, DG91b, DG91c, DV07, DV08a, DV08b, DD10, Dem99, DHST05, Di 09, DD12, DMP96, DE99, DP13, DZ01, DK06, DGIM15, DY10, DK99, DK08a, DK08b, DL17b, EEE97, EEK99, EL05, EL08, ES08, ES9+12, EN08, EU10, EM15, FLT10, FG00, FHGJ06, FLV04, rFO06, FKKL06, FI18, Fer98, FP20, Fie95, Fie00, FF99, Fio11, FSZ14, For96, FHLS13, FNV08, FMFJ18, FC01, Fri92, FHS94, FG94, Fri02, FT16, FGS14a, FLS20, FIS01, FJ06, GLS12, GP98, GSC15, GP06, GT04, GLPS11, GR17a, GHN03, GITT96].

Matrices [GI00, GIK00, GJ18, GW07, GMS92, GI13, GKL18, GS06, GKK94, GN03, GT08, GS10b, GK06, GCL16, GPTPV16, GR93, Gro97, GP03, GLV10, GW05, GZ09, GZ15, GP16, GW00, Guo01b, Guo2, GR97, GLP01, GP04, Hac93, HNT99, HB94, Har05, Har93, Har98, HR93, HH93, HH94, HR04, HLW94, HKG09, HMT93, HS90, Her96, HHSW97, Hig92, HBW00a, HBW90b, HD10, HPS15, HG14, HS13, Hol91, HLT91, HLM94, HLS97, HH12, HC15, Huc92, Huc94, Huh01, Huh02, IM13, IN09, IW14, IT06, IZ04, IIM94, JR99, JV16, Jia98, JN93,
Matrices [Lat95b, LP96, Le06, LC15b, LC16, Lew91, LGPS90, LO20, Li91, LT94a, Li02, LM02, LF00, LW05, Li05, LPS08, LGWX12, LS04, LT09, LOvdD02, LC05, Lin11, Lin19, LZ97, LZ05b, LW94, LB96, Lu98b, MMT08, MM11, Mae98, Mai09, MS02, MMS94, MSZ03, MA20, MSZ20, MNT10, MV13, Mat09, Mat92, Mat97b, MOvdDW89, MNST96, Me99, Meu92, MZ19, MPS01, MT00, Moa05, MN97, MP98, Mon11, MBO97, Mur91, Mur93, Mur98, MP95b, MNT99, Na99, Nab00, Nab01, Naev93, NS96, ND06, NP99, Nou96, OV99, OR93, Ors06, Ost01, OW95, PK93, PK94, Pan16, PDF16, PLM94, Pat00, PM06, Pen95, Pen98, Pe01, Pen05, Per91, PW14b, Pes14, PW15, Pes19, PT05, Pha01, PR91, PW90, PJB10, Pro13, PL14, Pul13, RN18, RKN20, RVA05, RD95, Rei01].

Matrices [Reu02, RR98, Ric92, RS92, RW95, Rod05, Roh93, Roh94, RSS94, RODS15, RST18, SZ99, Saa16, SST06, SCPW12, SK95, Sen98, Ser98, SHS03, SGX14, SHJ09, SHY10, SWYM96, ST08, SB05, SEM13, SM16, SMM20, Spe98, SCA12, Ste91a, SV97, Ste16b, Stu91, SB01, SB95, Swe93, TY02, Tig01, Tre04, Tre05, Tru06, Tum02, VFGM05, VV15, VH16, VP93, VT98, VJ07, Wal03, WZ95, Wan98a, WA07, WD94, Wil08, Wim06, WT11, XLS16, XG10, XX17, XC20, XSW10, YL00, YL08, Yas03, Ye09, Xc17, ZZ99, Zha00, Zha05, Zy93, Zha01, Zhi01, Zha40, ZFW07, Zha17, Zhi12, ZZ08b, Zie95, ZZTA02, d05, dSV01, vDHvdV00, vD99, vdMS05, All99, Aue99, BY88, BH96, CJL96a, CF89, Che92, DGIM06, DS95, Ede88, FF93, GP88, Hav89, HM89, HPR89, HRS88, HS88].

Matrices [Hon89, HC89a, HC89b, Ik97, IM95, JN89, JP94, KN89, KN94, MP88, ML89, Per88, PR88, PSL90, RR96, Rum91, Stu88, Stu96, Tre88a, Tre89, Wim88a].

Matrices [GG13, BG19a].

Matrices [AS93, ALAK94, AA09, Afs08, AAB10, AMH09, AMH10, AB16a, AB18, AMPV97, AK20, AG91b, AW10, AEG19, ACL93, AT98, Ano11, AV00, AH14, AH16, AKPP08, ABF16, ANT19, AG00, Art03, AMR18, AABK19, AHH01, AW05, BD99a, BB95, BBD16, BR91, Bar00a, Bar94, BLdP97, BL94, BL00, BKS18, BI99, BT12, BT13, BV00, Bez12, BB96, BD93, BM94, BF93, BM96, BNS13, BMM20, BMSV92, BL91, BM06, BKMS14, BKMS15, BS16, BB20, BHR10, Bor14, BW99, BL10, BF05, BG13, BX05, BD95, BZ00, BC92, BdTD11, BDF17, BGN12, BHM97, CSX15, CGHR07, Cao00b, CR16, Car94, CC10, CS10a, CT93, CMPX03, CHKL01, CD00, CCG10, Ch95, wC03, CH06, CHW10, Cla10, CD98, CG10, CR10, DB20, DH03, Dax08, De06, DD99, DD08].

Matrix [DD16, De18, DDD20, Dem92, DRSZ07, Dh98, DT08, Di00, DP00, DMR09, DK14, D15, DS10, DS99, DS20b, DG19, DHM19, DD13a, DJ09, DMM08, DI19, DH97, Drm00a, DK98, DL15, DK01, EK97, EK99, EEG11, EJ98, ESR01, EK96, Et02, EK17, FL02, FA16, Fan16, FH15, FH18, FH19, Fay95, FPST13, FH17, FL19, Fer97, FF1+9, For03, FV98, FP16, FT07, FH10, FKL13, FGS14b, FLSS17, FH20, GPM3, GH91, GL18, Gaw91, Get91, GL03, GIKT95, GI97, GL99, GT17, Gif94, G11, G15, GT13, GH90, GS00, GMR00, Gov91b, GR17b, GT11, Gro98, Gdl08, GKL95, GO11, GKL14, GOL17, GP18, Guo98, Guo10a, GH06, GKL12, GO05, GN16, HL12, HM04a, Har99, HLW05, He99, HR00, HO10, Hey95, HO98, Hig92].

Matrix [Hig93, HK95, HT00, Hig01, HK01, Hig03, HMT04, HMT05, Hig05, HMT06, HMT07, HMT09, HL11, HL13, HR14.
HS16, HGC99, HGC00, Ho90, HS95a, Hi15, Hu92, Huc92, HSC04, HL02, HKBM08, HC89b, Ian06, Ian09, Ikr97, Ito96, IM16, IS07, IT11, SMPR19, JS94, Jia95, JZ20, JMO93, JOvdD01, JN11, JOAKt10, KS97, Kau93, KB90, KL91, KL92, KL98a, KO18, KP08, Kir95, KN98, KNOX02, KRU14, Ko99, KN91, KPC94, KMS95, Kra95, KH13, KL98a, KL98b, KL99, LNP93, LWW15, LM18, Lu98a, Mac99, MV97, MMMM06b, Mar11b, Mat93a, Mat95b, Mat97, MSZ15, Mei04, Mel04, MYK14, Mit20, MGS20, NV94.

Matrix [NRT92a, NBG10, NNT17, NTZ18, NS11, NP20, NS18, NK01, NS09, NST15, Nof17, Nou96, Ogi10, Ost10, OW92, Pap00, Pai09, Pai10, PP11, PW14a, Pilai1, Pan93, PN18, PYHK03, Par05, PV09, Pen01, yPWj12, Pi94, PS08, PT18, PL14, QS06, QI13, QCT15, QCT16, RR94, Rau02a, Rau02b, RE13, RS06, RV17, RE98, Ruma97, SCPW12, SD16, STvDD17, Sch05, Sch95b, Seh96, SC05, Sev03, SMBJS13, SC03, Sid95, SC10, Sim03, So92, ST01, SDC12, SU94, Ste91b, Ste16c, Ste18, SH93, SV15, SD12, Tam98, TFL11, Tas15b, TDV15, Th94, TL06, Tis93, TZ13, TT98, TT99, Tre90, TW03, TYUC17, Tro90, U91, Uhl93, Uhl20, Uhl18, VVM05, VBW98, Vec03, Ven93, Vog99, Wan98b, gWcWL12, WY17, WLB05, WS12, WCC16, Wli90, WD05].

Matrix [Wim92, XX16, Xia12, XC18, fX96, XPL18, Xue96, YLA97, YGL18, ZMK02, Zha91, Zha95, ZHZ05, ZGP10, Zhe98, Zim17, vDV96, von03, AdHN88, BJ95, BM092, BK99, Bas99, BV88, Ber88, BH88, BN88, CS89, CLS88, DV06a, FM88, Gad88, GL96, HD97, JMW96, JUS88, JN99, JvD89, JH98, KL89, LG06, Liu88, Naz89, Ove88, OW88, Stu88, Wim88b, WW08, EW20, ZF14].

Matrix-Algebraic [Zim17].

Matrix-Matrix [MSZ15].

Matrix-Sequences [FFH19].

Matrix-type [BL94].

Matrix-Valued [ALAK94, Cla10, Kra95, Kh13, Mat93a, QCT15, QCT16].

Matrix-Vector [BF05, GTI11, HR00].

Matroids [Mor94].

Max [BSvD95, BCGG10, BJ16, DD98, HT17, Hoo17, HPTH19].

Max-Algebra [BCGG10].

Max-Balanced [HPTH19].

Max-Plus [BJ16, DD98, HT17, Hoo17].

Maxima [RSS94].

Maximal [CYA18, CP20, Lat95b].

Maximally [EG15].

Maximization [Fuh07, LW15, Men18, VBW98].

maximizing [All89].

Maximum [BW95, BE10, Bor03, CD14, JR08, OR93, YLA97, Ove88].

Maxwell [CHH15].

May [ZvSD20].

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

Mean-Square [HL08].

Mean-Squared [BBT07].

Means [AMPV97, AFPA07, DDV04, Pala11, Gem98, Lim13, Moa02, Pilai11, PT05, PT18].

Measure [NQB14].

Measurement [CH93b].

Measures [BK15, BGMN15, DRSZ07].

Mechanics [CGS94].

Media [BKKL91, CHH15].

Meet [Mac95].

memoriam [Joh96].

Memory [ADV05, EM15, LH16, KP92].

Mendelsohn [AL98a, IM95].

Meromorphic [ALAK94].

Mesh [vDSvdV93].

Meshe [Tene97].

Metabolic [LS95].

Metamorphosis [Van11].

Method [AGJ14, Ain17, AT07, AM09, ABM17, Ano11, BBS15, BDY99, BS05, BV90, BBTK08, BST16, BM18, BF00, BGSC07, BGT05b, BIP08, BR05, BBGL02, BM2R94, BH97, CM19, CS01, CFT16, CD15, Car18, CGL11, CPZ11, CH93c, CD17, CES20, CG98a, CYA18, Dan91, DHT01, DD97, Del97, DV92b, DYY16, Drm96, DS18, ESR1, ES09, ES18, EG20, EG00, EOS19c, EOS19b, FJKM96, FAT16, FHS09, FS10, FSV14, FLSS17, GLS12, GTJ13, GG14,
GH07a, GTPT114, GRK17, Guo98, GL00a, Guo01a, GH06, Hac93, Hal20, Har07, Har19, Hem95, HMT93, HS10, Hig92, Hig97, HK01, Hig05, HP02, HKP05, HN09, HGL05, HV05, Hu92, HZ01, HMWY18, Hun94, Huh02, Ian06, IT06, JMM14, Jt92, Jf03, Joh08, KMM18, KL92, KP08, KM11, KM14, KO15, Kuo10, LLZ09, LM98a, LY03.

Method
[LZ05a, LW20a, LV10, LMPT20, LM18, LR05, Lu98b, LP13, LKK07, LE02, MV08, Mas95, MOR16, Mat09, MR97, Mee09, MB10, MO20, Mor95, MM00, Nov11, OL99, PW15, Ple00, QL99, QS06, Qz13, RCH08, RST01, RT99, RP10, RW92, SGX14, Sim16, SH91a, SdvV96, SS17, Sor92, Sta02, SD09, Ste10b, SX11, Ts01a, TV09, wVJbqJ11, Wal95, WC14, WCY15, WS00, Wiu05, XCGL10, Xu05, XQ08, XE12, YBZC16, Z994, ZZ98a, ZH03, Zha10a, ZSYJ18, ZSY20, ZH17, de 92, vDHvdV00, vdMS05, vdV96, CS89, CLS88, HL06, KN89, Meh88, SS99].

Methods
[AL95, Bai99, BGN03, BWQ06, BN06a, Bar08, BV92, Bar93a, BB18, BN06b, BBD11, BM99, BES98, BM00, Bj614, BV01, BM02, BF05, BrD07, BGBM92, BMBM93, BCW12, CR96, Ca00a, Ca08, CG92, CH16, CG10, CH99, CG96, DFT92, Drm10, Env92, EHvP04, ESS+12, EN08, Ern00, GV99, HH07, HYI10, He99, HXY11, HS95a, HO92, HK12, JWN18, JK95a, JK97, Jia95, Jou92, JCG14, Kan96, KL91, KO01, KL08, KT10b, KT11, KV14, LWXZ06, LEO01, LS17, Lu10, Lu20, MNR15, MNR18, MG92, MS02, Mat95a, Mes08, Mor00, MB13b, MI15, NP02, Not19, ORS06, PW90].

Method
[Ple06, PPLG20, RS02, Sa07, SS13, SWZ11, Sid95, Sim00, SV15, Sj92, VMM15, WY17, Wei95, Wli00, Wo293, Wri95, ZZ04, ZHY16, dBG08, vdG93, vDES04, AdHN88, BY88, FGS96, GL96, Wri97], Metric
[Bar00b, BD10, BS10, BDST08, XPL+18, Zim17], Metrics
[QZL05], Meyer
[IK06].

MGS
[PRS06], MGS-GMRES
[PRS06].

Midranges
[MGS20].

MIMO
[DSZ14, GV04].

Metric
[IK06].

MGS
[PRS06].

MGS-GMRES
[PRS06].

Mixed
[DP07, GK93, IT11, MNR08, PS04, Ver96, fX96, ZK17].

Mode
[LF02b, Ste10a, GMBS12].

Model
[ASvG17, BB12, BGG18, CGGS99, CGSS01, CD17, CLO99, FL18, FST+13, FG15, GV04, Gil13, Gab08, JK95a, JX20, LF13, MJM11, SS17, Ste08, SD09, VGA10, Ver96, ZP18, KN94, Liu88, Tsa94].

Modeling
[BH93, HV05].

Models
[ASvG17, BB12, BGG18, CGGS99, CGSS01, CD17, CLO99, FL18, FST+13, FG15, GV04, Gil13, Gab08, JK95a, JX20, LF13, MJM11, SS17, Ste08, SD09, VGA10, Ver96, ZP18, KN94, Liu88, Tsa94].

Modification
[AB16b, GE94, RBB90, VHY11].

Modifications
[CFG98, DH01, DH05, GV07, BK89].

Modified
[AG88b, Bar19, BF98, CH98, FLS20, GGL04, JX20, LZ10, PAH17, RDC93, Si03, PRS06].

Modifying
[DH99, GW92, HV19].

Modular
[BvdG11].

Modularity
[FT14].
Modulated [CCZ97, LX12]. Modulus [GR93, ZHY16]. Modulus-Type [ZHY16].
Moment [BH93, KO14, Tis93].
Moment-Matching [KO14]. Moments [Ain17, DA05, He095, SK20]. Monotone
[AU00, CdS90, CS96c, Kra95, KH13, Mas16, Tis91]. Monotonic [GLV10].
Monotonicity [Bor03, CHLS00, DRTW91, HHH12, Lag91].
Monotonicity [Bor03, CHLS00, DRTW91, HHH12, Lag91].
Moore [BC10, FF99, HH93, HH94, Pat00].
Morrison [Rie92]. Most [WD95].
Movable [GT02].
MR [CH93a, GI97, HC89b, Zha95, Ikr97].
MR [CH93a, GI97, HC89b, Zha95, Ikr97].
MR [CH93a, GI97, HC89b, Zha95, Ikr97].
MR [CH93a, GI97, HC89b, Zha95, Ikr97].
MR2179674 [WW08].
MSOR [HMT93].
Multiband [MNT09]. Multicoloring [Har93].
Multiconductor [BF02].
Multidimensional [AC18, HK08, ZMW17].
Multifilter [Jia01]. Multifrontal
[ADLK01, AP02, ADV05, DD97, LB96, PL97, XCG10].
Multigrid [BWQ06, CD17, CES06, DSS011, ES18, GH07a, HK12, Pull13, RKN20, Sou19, 
TW00, TMN10, VZ06].
Multihomogeneous [GTH19a, GTH19b].
Multilevel [ADC04, BM02, BW99, Buc00, 
BrD07, CT99, DK00, EV06, FMFJ18, GTW00, KCT90, Le 06, LS06, Not06, Pes19, 
SZ99, XLS16, Zha01].
Multilinear
[BB08, BLNT13, BFP95, CWY20, De 06, DSD17, ES09, ES11, GLY15, 
IADV11, IAV13, KKL17, SD15a, SD15].
Multiparameter [DY16, GA18].
Multiple [AAB10, BM00, BSZ20, DHO1, 
GRT07, HPS13, HPS16, JRZ99, KS92, 
KPM09, LMPT20, MB10, MB17, PCB16, SH91b, VV15, VZ06, WLV06, Sun89].
Multiple-Rank [DH01]. Multiplication
[BBB16, BMSV92, HR00].
Multiplications [Hig92]. Multiplicative
[DM04, RW01]. Multiplicatively [SM16].
Multiplicities [DD16, JK95b, JS04].
Multiplicity [FL02]. Multipliers
[CDP94, Nie10]. Multiplying [Hig92].
Multipoint [ASA04, FG15].
Multiprecison [FH18].
Multipreconditioned [BG06b].
multiprocessor [CG90]. Multiresolution
[APK08, MK20]. Multisection [AL98b].
Multishift [AVG17, BBM02a, BBM02b, 
DW09, Gem98, KK07, VW12].
Multisplitting [Bai99, BCM95, FS97, 
SB01, SJ92, Wh89, Wh90, Wh100, KN98].
Multisplittings [MPS01]. Multistage
[ET10]. Multistochastic [CLN14].
Multivariability [Pal11]. Multivariate
[BDD13, CMPX03, DIS15, GMRS00, Han03, 
JLZ16, Zha10a]. Multiwavelets [Tur03].
Multiway [MB08]. MUSIC [SES95].
N [GKR90]. N. [IKr97]. Nano [GKL12].
Nash [CT15]. Navier [WT11, ELM97].
Navier- [WT11]. Near
[CJL96a, GCL16, GDF01, Har99, BL02].
Nearest [BHR10, DB20, Den92, HHW90, 
GLM17, HS16, Men12, QS06, Qi13, Rum97].
Nearly
[BR80, BW97, DS97, ES12, MG95, 
ST14, WD95, Zha93b, GL06, Hav89].
Nearness
[BDST08, DT08, GKL14, KMS15, SV15].
Necessary
[Cor93, Gad88, HQ16, Pin19, Sou19, ZWF05].
Need [DI19]. Nested
[BOS13, BHL93, BT02, CCB20, Cao00a, 
HR95, S91, SV93, Ten97].
Nestible-Dissection [BT02]. Network
[AL98a, BYDW18, BK15, GHN18, PT18, 
vdSBvdV93]. Networks [BDR12, FMR13, 
FH17, GDF01, IO16, KS15, WSS16].
Neumann [CLN14, MOC91]. Neville
[GP93, GT04]. Newton [KZ10, BIP08, 
BX08, DS16, ES09, EM15, FHK09, FM93a, 
GR17b, Gu098, GL00a, GH06, HK01, 
HMW18, Ia06, JWI18, Joh08, KL92, 
LE02, PTC13, QL99, QS06, Qi13, San18, 
Tis01a, ZS94, ZZS04, 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 [BDGY20, Baz00, IS08]. Noise [BE07, DF20, Par94, Wan15]. Noiseless [Fin19]. Noisy [CR96, HL08]. Non [BDY99, BGN03, CE12, CH93c, CESC20, ENV92, IN09, RSS09, YXC+17]. Non-Diagonally [CESC20]. Non-Hermitian [BDY99, BGN03, CE12, ENV92, IN09, RSS09, YXC+17]. Non-Interior-Point [CH93c]. Noncommutative [HM04b]. Nonconvex [BST16, TFL11]. Nondefinite [CP05, Ser96]. Nonderogatory [Kar10, MH95]. nondeterministic [DY90]. Nondiagonalizable [LM06b]. Nonexistence [VNVM14]. Nonfull [Fei94]. Nonfull-Rank [Fei94]. Nongeneric [Van92, VV88]. Nonhomogeneous [Ger92]. Nonincreasing [GPS96]. Noninterior [Kar96]. Nonlinear [AA19, AG00, BSFM10, BH13, BM96, CzB18, CC+09, Elf13, ESR01, FL19, Gui99, Guo01a, GKL12, JMM14, KKM14, KS92, LM90, LZ10, Lu20, MOC91, MH13a, MB17, PP05a, RRR06, RPG98, VM15, VHY11, YGMO9, ZBJ15, ZPW18]. Nonlocal [CD17, CESC20, KPC94]. Nonmaximal [FG94, Nab00, Wal03]. Nonmonic [GH91]. Nonnegative [A06, Am03, BN10, BCR11, CPZ11, CFJKS13, CK12, DWWY20, FG00, FHS+94, FG94, GTH19b, GJJ18, Gil13, Gk15, GR93, Gr06, GP18, HNT99, Har98, HHSW97, HST19, JZ99, JM093, Kosvd07, KP08, Kir95, KNOX02, Koe05, Koe07, LLS09, Lew91, LGL16, Nab00, NP20, NS18, NQZ10, NT08, Ors06, PN18, PL14, QXX14, QCL16, SGX14, TFL11, YY10, YY11, ZY93, ZHY16, AHN88, HRS88]. Nonnegatively [BN06a]. Nonnegativity [BH08, KP08, NS94, SW91]. Nonnormal [BES15, GCL16, SCBG05]. Nonorthogonal [CL17]. Nonoverlapping [CG92]. Nonpolyhedral [ZvSD20]. Nonpositive [CKRU08, CFJKS13, HC15]. Nonseparable [Mae98]. Nonsingular [BC92, CKRU08, EG15, NK01]. Nonsingularity [GT99]. Nonsmooth [Be06, Lew99]. Nonspherical [SS10]. 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, JOA910, KK93a, LwCL13, LX12, Lu05, LKK97, Meh08, MO20, Mor00, Nab99, NRT92a, NRT92b, PW15, RKN20, SHY10, SB05, SSR20, SW94, VHK01, Au98, OW98]. Nonuniform [BDGY20, GS03]. Norm [ABMV20, Auj00, BZ98, BE03, CK20, CG96, Dax08, DG19, EOS19a, EOS19b, FKL13, GGO13, GGM017, HN98, Hal20, HNT99, HJ07, HT00, HGC00, HV19, Koh99, Li16, LT09, LV10, Mat93b, Mat05, Mei11, NS11, Pae09, PN03, RPG96, RPG98, TT14, WS12, FSV14, HC89a, HC89b]. Norm-Minimizing [CG96]. Normal [Be01, CRRV20, Chu91, FKKL96, Fri02, GLPS11, GCL16, Huc94, Huh01, HL02, Huh02, Ikr97, It09, Lás94, LK95, Mai99, Mur91, Mur93, TMV18]. Normality [LJS19, Lee95, Lee96]. Normalized [GN13, PW14a]. Norms [BK97, BGK99, BV07, CDP94, FHLS13, GKL95, GZ09, GZ15, HO10, HHSW97, HGC99, HM90, HLS97, SI11, MG10, MZ19, Mor12, NNF14, PR91, Sai19, VJ07, Zha99, Zul11, LT89, Win88a, ABM+17]. Normwise [FLV04, Rum03a, WX07]. Note [BHL+93, CA00b, CA02, CA09, CL09, CT15, D08, D04, FI93, G003, G097, KZ10, KP99, LT94a, LM03, Log17, LR99, Mas94, MNT99, Túm02, Zeh98, BM88,
San88, Sun89]. **Novel**
[AFPA07, GRK17, RCH08]. **NP**
[GG11, HO10, RK95]. **NP-Hard**
[RK95, GG11, HO10]. **NQZ**
[Ano11, CPZ11]. **Nuclear**
[Li16, LV10, PN18]. **Null**
[AD02, AB01, Bar93b, FJ97, GT08, GOS15, Guo02, KSH02, PR16]. **Null-Space**
[FJ97, PR16]. **Null-Spaces**
[KSH02]. **Nullspace**
[IKSG10, Jam92, PW90, SV93]. **Number**
[AMH09, AW10, ABG07, ANT19, AW05, BDM10, BDM12, BGT14, Bor10, BK19, BV18, CT93, Dhi98, ES05, Far16, GV07, Har05, HK95, HO10, RK95, GG11, HO10]. **Numbers**
[BK06, CD05, CC09, DMC13, GK93, Gr10, KKT06, Kir02, KPM09, NW98, PT05, RVA05, SST06, VT98, ZMW17, Ede88]. **Numerical**
[BDHS11, BBD+16, BDD14, BLd93, BBMX02, BGBM92, BGBM93, CDGS10, CH93b, CG15a, Cho10, CG98a, Cro16, CP17, CG19, DBW15, DF20, DHW92, GLPS11, GL96, GKL18, GPTPV16, GC19, Gup02, HB94, KM16, LP01, LO20, LR91, LR94, LP00, LW05, LWY19, Lin03, LR05, Lu20, MG92, MA99, MYK14, Ms08, MMH94, Oovd98, Ors06, Ple06, RS18, RD95, Ste03, Ste11b, Ste18, Swee93, Tre88a, Tre89, TW03, TU91, Tur97, Vav94, WLD18, Xu05, CJL96a, CJL96b]. **Numerically**
[Fuh07].

**o** [Xu20]. **Obey** [BHKR11]. **Object** [GL99]. **Object-Oriented** [GL99]. **Objects** [NW02].

**Oblique**
[BMP20, CE02, DL02, GT99, JK95a, Ste11b]. **Observeability**
[Bar94, CT91, EJK90, Wim88b].

**Observations** [CHZ03]. **Observe** [CH93b]. **Obtained** [Ps09, PW14a]. **occasion** [Mol92]. **Odd**
[DDD20, LF02b, Melt01, Mel04]. **Odd/Even**
[LF02b]. **Odd/Even-Mode** [LF02b]. **ODEs**
[KJH16]. **Oettli** [May12]. **Off** [CDGS10]. **Off-Diagonal** [CDGS10]. **Ohta** [FP17].

**Once** [LW20b]. **One** [Arg15, BV90, BEGG07, Bor09, BB07, CLL20, DS20b, DD13a, GTW90, GT17, GE94, HST19, JK15, LLS01, LNSU18, MWM17, MS19, MHG15, PL14, Qi11, SB92, Sle92, Ste10a, Tre90, WC14, Wei92, ZG01, AKU20, MH95].

**One-Dimensional** [JL501]. **One-loop** [CL20]. **One-Parameter** [Tre90].

**One-Sided** [BB07]. **One-Way** [BV90, GTW00]. **Online** [ZPW18]. **onto** [Bor14, Din98]. **Operations** [LB02].

**Operator** [CT15, Dri06, HHLW13, JLS01, KK12, Mat93b, Not96, PS08, RR06, RHE14, TCTM00, WO30, BM88, BN87]. **Operators**
[AMT90, Beb06, BK90, BJMS17, BET02, CHH+15, CZ03, Elm97, Gre92, GKL16, Gru06, HK08, HL98, HLT91, HLM94, JL501, KLHH13, Kn00, KM96, PW03, R critiques05, Sil03, SQ13, Tig91, ZAK13, DS95].

**Oppenheim** [LZ97, YL00, Zh04]. **Optic** [Kau06]. **Optical** [HKBM08, SDJ+18]. **Optics** [Bar98].

**Optimal** [ASvG17, ADC04, BB95, BBT06, BSZ20, BOS16, BGG18, Bet09, BH97, Bor14, C509, CC17, DP10, DS16, FG15, FL99, GH92, GLS12, GDX11, HB12, HS10, HS13, KN00, KMS01, KMS03, L06, LC05, LP13, MV02, PS04, SSS97, TS99, TV09, Ty92, VAGA10, WH00, Meh88, NW02].

**Optimal-Order** [DS16]. **Optimality**
[CB00, ES11, EMC17, OW88]. **Optimally**
[KRS19, SES95]. **Optimization**
[BAMC20, BM01, BLO03, CLL20, CDH12, GHN03, GMP92, GGO13, HLO8, Hig93, HMWY18, KMM18, KL18, LMPT20, MYK14, NBS10, PN18, PSW12, PFR17, PLLG20, SL27, TFL11, VV10, WCCL16, ZLQ12, FG96]. **Optimized**
[DK13, EDK16]. **Optimizing**
[FNV08, HO94, NBG10, NP13, OW95].

**Optimun** [Wo293]. **Orbit** [DZ01, DK14].

**Orbits** [DD08, LPS08]. **Order**
[AB19b, BGG18, BB96, BE03, CG03a, DDDV00b, De 08a, De 08b, DN08, Djo08, DD13a, DD13b, DD14, DSD17, DS16, DIS15, FLV04, FL18, GL18, GS94, Hem95, HR14, IAVD11, JX20, KB90, KBHH13, KR02, LNT18, Lu10, Men08, MJM11, OL99, Peñ95, PS04, Sai16, SK20, SS17, SQ13, SD15b, SM16, MSL20, SH91b, Ste10a, SW98, Vac94, VGA10, ZG01, dBG08, BS05, Zab89].

Ordered [Har93, JOvdD01, JOvdD04].

Ordering [Alt13, ADD96, ALP07, AL98b, BFM03, BS90, DFT92, GO95, Gro97, HP09, LRN06, NR99, RS94, Re98, YL08].

Orderings [BT02, Har93, Mas95, Pey01, SS89].

Orders [He99, JMW96].

Ordinal [WI09].

Ordinary [WZ95].

Oriented [BvdG11, GL99, Har07, Mor94].

Origin [AHH01, ZvSD20].

Orthogonal [BZ98, BV95, CS09, Cla10, DDL14, DP04, DMM03, EM00, EK91, FB95, Fe96, GW07, GGL04, Gr10, Gdl108, GC19, HLM94, HV97, Jia01, Kol01, Kol03, LUC18, LNSU18, LB96, LSB16, MV08, MHG17, Nap13, OI10, PR10, Rob16, Ste16b, SB95, TUr03, VFG05, VVM05, WC015, Yan20, CH88, CG90, DGM106, Hon89, Meh88, SB88].

Orthogonality [BP92, EAS98, HS98].

Orthogonalization [CGLV11, Dax08, RODS15].

Orthogonally [CCJ+10, DL15, MHG15].

Orthonormal [BLW15, IW14, SDC+12].

Orthotropic [CS89].

Oscillation [KH13].

Oscillators [FL99].

Other [Gre92].

Out-of-Core [Bér09].

Out-of-Sample [MA01].

Outer [ZYH16, CF89].

Output [CCH98, GV20, HJ98, Meh88].

Overall [DD13b].

Overcoming [HO98].

Overdetermined [HM97].

Overlap [Wh10].

Overlapping [CG92, SS91, ZS94].

Overrelaxation [GH92].

P [BG19a].

P-matricity [BG19a].

Package [GL99].

Packets [HL17].

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

PageRank [WW08, BRZ06, GLY15, IK06, IS08, LM06a, SC05, WI09].

Pair [LS10, LM06b, LGL16, Ste16a].

Pairs [BC92, Car94, EJK09, FV98, GPM03, GHT10, KJS12, KLS16, Law13, LM06b, Tis04, XPL+18, HD97].

Palencia [CGL18, RS18].

Palindromic [BKMS15, De 18, HLBQ09].

Panel [KDDG13].

Parabolic [DSS11, MS97].

PARAFAC [dMGF14, GMMS12, PTC13, RCH08, Ste08, SD09, Ste12].

Parallel [BO96, BOCL97, BB07, CGHR07, Ciri, DDDN20, DGYH06, DGL99, DP07, HR95, HP92b, JS94, Kon00, LC05, LR05, NY95, OYBV19, SY300, SJ92, WA95, ZS94, ZGP10, de 92, vD99, vD99, vDsvB93, DY90, KN89, SS89, Ts94].

Parallelizable [ZZ98s].

Parameter [BK15, BKK07, CS01, CCGS98, DP09, HP02, HPP05, JI92, LZ10, MH13a, MMW17, Pld00, SK16, SS17, TRe.09, Uh120, VOG99].

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

Parameterization [KJH16].

Parameterized [BT10b, BCW12, CG10, DBW15, MB10, NS09].

Parameters [DPP13, FST+13, HZ01, KO01].

Parametric [GS06, Pop12, Pop15, SS17].

Parametrization [DJ09, DY10, FMX02, Jia01].

Parametrized [Kt11, Me03].

Paraunitary [D401].

Paravector [S019].

Paravectorial [Jia01].

Parlett [DH03].

Part [BM94, FG94, Mat94, Nao00, AMR+18, BM00, BBM02a, BBM02b, De 08a, De 08b, DN08, DG91b, DG91c, DD13a, DD13b, EE09, EEE09, Fer97, Gut92, Gut94, Ho90, LLZ09, MMT08, Rau02a, Rau02b, Rum03a, Rum03b, SD15a, SDD15].

Part [JD803].

Partial [ABG07, BDGY20, Bjö14, BT02, DD16, DEG+99, Fso94, KGR89, GGC09, Gro97,
GMBS12, HHRV99, He99, Hig97, JK97, JMM14, JN03, LO20, MSS19, RW95, Tam98, Tbl97, Wož93, YL08, ZZ99, JMW96, JR88].

Partially
[CKL04, Dan93, GOV19, KLX07, Næv93].

Partition
[De 08a, Dan93, GOV19, KLX07, Næv93].

Partitioned
[De 08a, AR93, FST13, PV17, PSL90, YY98].

Partitioning
[De 08a, AR93, FST13, PV17, PSL90, YY98].

Partitions
[Li16].

Pasciak
[FAT16, SW08].

Pasciak-Type
[FAT16].

Passage
[DA05, KN99].

Path
[GTJ13, JS07, LM18].

Path-Following
[LM18].

Path-Sums
[GTJ13].

Paths
[PSS19].

Pathways
[LS95].

Pattern
[BSvdD95, DD97, Her90, LS95, HPR89].

Patterns
[BMOvdD04, HL94, KOSvdD07, LOvdD02, SHS03, Tsa98, JS07].

PDE
[CLNW20, DSSC11, PSW12, SZ07].

PDE-Constrained
[PSW12, SZ07].

PDEs
[BOS16, CDGS10, GLS12, Hem95].

Penalized
[YLA97, ZZS04].

Penalty
[LMPT20].

Pencil
[AMR18, BB19, CH06, DS10, DS19, GLM17, HGC00, JOAKt10, Naj98, SL94, BV88].

Pencil-Based
[BB19].

Pencils
[AA09, AAB10, AB18, AT98, BR19, BBMX02, BT12, BT13, Bo90, BM06, BKS14, BKS15, BS16, BEGM05, CG98b, CG06, DD08, DD16, De 18, DK14, DJK17, DS20b, EK97, EK98, EK99, EK96, EK17, EKIP03, GT17, HO94, HMT09, HGC99, IM16, IS07, IT11, KL98b, LG02, LS03, Li05, LS07, LNTX11, LNTX13, LS02, Lin12, LR99, LT94b, MOC91, Mat93c, Mat97a, Mat97b, MO97, MD03, Rad09, RRR06, SMM20, Ste93a, Sun95a, Sun95b, Sun96, gS98b, S98a, Sun04, TVW15, Vac94, Wan15, WD00, WLBO5, We11, XSW10, XG98, Ye09, Zha93a, ZZ01, dTDM08].

Perturbations
[AG88b, BR19, BEGG07, BW93, DS20a, DD16, DS20b, Ek96, GT17, GGMO17, HNT99, Kar11b, Li93, MMS16, MMW17, MT15, RS96, RW95, Run03a, Run03b, SW94, WD94, WD95, Zab91].

Perturbed
[AKPP08, AN09, BB15, BFZ07, HHH12, Naj98, SEM13, SM16].

Phase
[CFL17, Mar11a].

Phenomenon
[Hig03].

Photonic
[HHLW13].

Pieces
[CdS90].

Piecewise
[BET02, Gow96].

Pierce
[FF93].

Pipeline
[CYA18].

Pivot
[Gar09].

Pivoting
[BS20a, BT02, CCJ+19, DGGX15, DP05, DP07, FXG18, Gou91, GGC09, Hig97, HS14, IT06, KDGGX13, MM00, SS98, Swe93, Tbl97, YC97, HHS98].

Placement
[BR19, GT17, MX98, Mim15, vdWM95].

Plane
[AP94, BMM20, PS88].

Plus
[BD20, B16, CS19, CESC20, DD98, Har05, HR04, HT17, Hoo17, ZZ99].

POD
[CFT16].

POD-Augmented
[CFT16].

Point
[BSZ20, BB18, BG04, BG06a, CH93c, CHZ03, Din98, DGSW06, Dol07, DJ00,
DJR⁺18, EG15, GGV05, GS10b, GOR14, HZ01, JR13, JR08, KC09, LV10, LZ10, LP13, Mar91, Més08, Not14, Not19, OS10, PW14b, PR16, PU10, PU14, RS02, RST18, SZ07, SHY10, SHZ12, SB04, SSR20, Ts01a, TS99, Túm02, Wri95, WT11, XW07, XYX20, Zul11, Run91, Wri97.

Points [AAB10, BGN12, DPP13, DLT15, GL13, GKL14, O’N05, XC20, de 90].

Pointwise [CRS99, CRS01].

Poisson [CCZ97].

Polak [JX20].

Polar [BvdMR+97, BX08, Eir00, GL17, GNS18, GI96, HMMT04, HMT10, Kap90, KL92, KZ10, Li95, LS03, Li05, Mat93c, NBG10, NH12, NNF14, Pil94, YL08, ZMK02, vdMR01, GI97].

Pole [BMU94, FP98, MX98, Mim15, RS08, Mat93c, NBG10, NH12, NNF14, Pil94, YL08, ZMK02, vdMR01, GI97].

Poles [GG14, MX98, VGA10].

Policy [OS09].

Polyadic [DD13a, DD13b, DD14, DL15, SDC+12, SD15a, SDD15, SD15b, SD19].

Polyak [JX20].

Polygons [Fie95].

Polyhedral [Pil94, VF00, ZvSD20].

Polynomial [AB19a, AABK19, BDD13, BKS08, Bet09, BN10, Bor10, CSX15, DMR09, FJKM96, FLV04, Gen98, HLT08, KJH16, Lau00, LC15a, LVV16, LXSDH20, MMM06a, Mur91, Mur93, Mur98, NNT17, Rei91, SKP11, Sor92, TMV18, TH01, Wm06, Ash91, BV89, Tre88b].

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


Port-Hamiltonian [MV20].

Posed [BG14, ES12, Kil99, Ko01, DK88, Fos03].

Posedness [dSL08].

Positive [ADGH18, AMT90, Ad02, AFPA07, Asw16, BGN03, BW95, BJL98, BDR12, BF06, BD05, BS10, BHH+08, BT92, CS01, Car94, CT08, CCL09, CHL00, DK05, DHZ03, DY10, EG00, FHG06, FV98, FMFJ18, GP06, GT04, GHN03, GL17, Her90, Hu92, HQ16, JMO93, JH02, JOvdD03, Jh08, JSG15, KOSvdD07, KN91, LLS09, Lts95b, Lau00, Li95, LS11, Lin93, Lu98b, LQ16, MV97, MA20, Mat92, Mat97b, Mel04, Moa05, NS07, NY95, NY02, OR93, Pen98, Pen05, PT05, Pha01, QXX14, Reu02, Rh04, RST18, SMIJ09, SH93, Wal03, WZ91, WZ95, Wh90, XG10, XC18, Ye09, ZvSD20, Zha00, ZF05, Zha17, Zha10b, vdMS05, AG88a, FM88, HPR89].

Positive-Definite [AFPA07, JSG15, KN91, MV97, Mel04, Moa05, WZ91].

Positive-Semidefinite [MA20].

Positively [SQ13].

Possibility [Kol03].

Possible [GPS96, TM12].

Posteriori [BCW12].

Potential [PYHK93, SC05, WW08].

Potentially [LOvdD02].

Power [BM01, CW92, Del97, HS98, HV05, KM11, KM14, KW92, Ran07, TFL11, NN88].

Power-Compositions [BM01].

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

pp [Aon11].

Practical [BBK18, Lee95, TYUC17].

Practice [Fos94].

Prager [May12].

Precise [AS93].

Precision [CD15, FH19, HK95, PP11, YGL18, GS92].

Preclude [JJ88].

Preconditioned [ASvG17, Axe92, BN06a, BN06b, BGSC07, Cnp94, DFT92, Elm97, FS10, HS10, HS95a].
HSC04, IW14, KN09, KK93b, KK93a, LW20a, LH05, Pes14, PW15, RP10, RW92, Ser98, SHY10, SX11]. Preconditioner
[BG04, BS02a, BW99, CT99, ES12, EZ95, FP17, For03, FMJF18, GLS12, GGV05, HT17, JWX03, LS06, ILNS17, RN18, SZ99, SB04, SW08, Tan99, XLS16].

Preconditioners
[AGP19, AG19, ACST09, BNW09, BDSC11, BSZ20, BGH06, BK95, BG06a, BCMM95, Cap98, CP03b, CPS00, Che01a, CCZ97, CNW08, DYH06, Dol07, DS16, EN08, GMP92, GG06, Gre92, HO92, KO05, Kil99, LG06, LS17, Not14, NV02, PSW12, PR16, Pes19, SST05, SZ07, SHZ12, SSR20, TMNV10, TS99, Tyr92, Cha89, KCT90].

Preconditioning
[ADGH18, ACW17, ABN09, Beb06, BOS16, BH03, Cao02, Cap00, DGSW06, DSC11, FJKM96, GHL03, HJ07, KNW20, KGW00, KLO8, LRN06, LSdH20, Log17, MT00, NS96, Not06, PAP90, PV17, PS04, PU10, RW94, RSS09, RS02, Ser96, SEM13, ST14, SCA12, SW08, Vav92, XX17, vD99, Ash91, PU14].

preconditionings [KY93]. Preconditioner [LW20b]. Predicting [Gil94, GS92].

Prediction [Elt92, GGC09, NP96, Qia88].

Predictor [BB98]. Preface [LGPS90].

Prescribed
[ADHM19, CE94, CLK04, DHST05, FIS01, NS94, RSS04, TDV15, BH96]. Presence [CGGS98, Par94, Wat00]. Preserve [DMS12, Loe90]. Preserved [DV06b, DV06a]. preservers [PR88].

Preserving
[BWQ06, BS91, BS94a, BH08, BDF17, Fit19, FHS13, FT16, GLV10, GL10, HMMT05, HLTH91, HLH94, HJP03, HQQ09, KRU14, KK17, KS12, KLS16, LX06, LGL16, MMS16, SS06, SdJL18, SMM20, VZ06, XC18, DS95].

Prewavelets [Mac98]. Primitive
[GGJ18, Pro13]. Primitivity
[Ano11, CPZ11, FV98]. Principal
[AR93, Drm00b, JK95b, MTV10, MYA19, MM00, RST10, XK94, Yan98, dSV01, Özg91].

Principal-Components [AR93]. Principle [BRR00]. Principles
[BL12, BL13, Bor03, Auc89]. Priori
[AMS07, EV06, Lat95a]. Probabilistic
[HI15, HIS18, IZ02, KW94, YC97, vDHvdV00]. Probability [Spe98]. Probing
[CM92a]. Problem
[ASA04, AA94, Afs08, AE97, AHS00, AB19a, Aru92, BG11, Bu99, BS05, BL12, BL13, Bar93a, BJJ98, BBT05, BBT06, BBT08, BF00, BGT14, BD90, BG05b, BHP03, BEGM05, BST08, BMU94, BF95, BMV20, BW93, CZBL18, CE02, CGS98, Cha00, CP98, Cg98a, CH06, CMT09, CF00, CB00, CH99, DBW15, DW06, DD10, DS19, DYY16, DK08a, DL17b, ES18, FZ16, Fr02, GOV91, Gow90, GS94, GS02, Gu95, GL10, HLT12, HPS11, HPS13, HPS15, HPS16, HP02, HKP05, HGL05, IM16, JKN11, KM16, Kau93, Kau92, KN98, KN09, KMS01, KMS03, KLX07, LZ14, LM90, LG04, LM03, Lu95, Lu98a, LZ10, LN14, LKK07, Mac99, Mac95, Mal06, MP95a, Mal11a, MLV00, Mat98, Mee09, Meh04, MX98, MBN17, Min00, MN97, MPS98, NOZ11, NS18]. Problem
[NBS10, PDF16, Ple00, Ple06, Qi13, RW01, Sid95, Sun96, SD12, TETA05, VZ91, VGV09, Ven93, Voo12, VYH11, WE91, Wat93, WE94, Wei92, Fx96, ZZ98a, ZWF05, Zha10a, ZXL14, ZYS20, ZMT17, ZF14, dSL08, BJ95, Pan91, San88, Ti93, Tre88a, Tre89, VV88, VV98, WBP98]. Problems
[AT07, ABG07, ACST09, ANT09, ABN09, BDY99, Bar98, BST16, BSZ20, BDR12, Ben99, BOS16, BG04, BN06b, BMS06, Bet09, BT10b, BH13, BM96, BES98, BM00, BKK07, BBGF00, Bor10, BS16, BB20, BG06a, BGBM92, CGCDM13, CPT09b, CGP90, CG10, CH93c, CESC20, CLNW20, CLK04, CGH11, CK91, CC17, CHZ03, CG94, CSK95, CC92, CLH00, DFT92, DG91c, DT08, DLM04, DW15, DS10, Do17, DS16, DJR18, DP05, Eff13, EHvP04, EL97,
EW13, EOS19b, FF94, Fio11, FJBd15, For03, For96, FS01, Fos03, Fri92, GH91, GHNV03, GITT96, GP97, GA18, GTI11, GJTP12, Gre05, Gut98a, Gut98b, GKL97, GKL14, Guo03, GHT09, HG18, HYI10, HM01, HMR01, HS10, HH98, HMP19, HZ01, HLQ09, Huc92, Ips06, Ips09, IW14, Jam92, JMM14, Ji92, JLS01, Kan96, KKM14, Kau06.

Problems
[KNW20, Kil99, KO01, Kni04, KMS15, KLV18, Lan07, LX09, Lau00, LC15a, LVV16, LG06, LS06, LNTX11, LNTX13, LW20a, LMPT20, MMMM06a, MMT08, Mal04, MH13a, MS10, MBN17, MZ19, Miy14, MH13b, MH15, MM00, MBS00, NS07, Not14, Ors06, PS05, PYHK93, PSW12, PS04, QL99, QACT13, RT93, RHE94, RS09, Rod06, RPG96, RPG98, RS02, Rum12, RW92, Saa16, Sch05, SZ07, Sec11, SHZ12, SB04, SvaV96, SSB20, SW94, SB11, Sun95a, SV15, Tis01a, TH01, Tis03, Tünn02, VMM15, Van92, wVijBqJ11, Wat01, WD00, WS12, WS00, XE12, YGM09, YBZC16, ZS14, ZH03, ZLQ12, ZSYJ18, ZBJ15, ZHY16, Zul11, CS89, CLS89, DK88, GIMT95, JN89, Meh88, MT89, Qia88, Wim88a, Zha95].

Procedure
[CW96, GIKT95, GGL04, LSB16].

Procedures
[GR00].

Process
[Art96, BR08, Ckr05, Gut92, Gut94, HKV05, Pai10, PP11, Pai19, Van08].

Processes
[AG00, Cap98, CCZ97, Cla10, DQ02, GdIl08, Guo02, HM20, LP02a, LP89].

Processing
[Aru92, SKP11, ZR95, Cri88, FuX88].

Procrustes
[AE97, SB88, ZSY20].

Product
[Alt13, Bar98, BOS13, BK90, BvdMR97, DHM19, DS18, GSV00, GK06, GR00, HKO8, JS07, KN00, Kar11a, KT10b, LS11, LWW15, MMT05, MV02, MV07a, MP88, NN04, RHE14, Sen06, SB03, Van10, Zha10b, ZR95, FM88, Tre88b].

Product/Quotient
[GSV00].

Products
[BZ07, BF05, CDH12, FF94, FHLS13, FIS01, GTI11, GLP01, GP04, HL17, HM90, HLS97, IZ20, JR13, MMT08, Mae98, MSZ15, Rod05, Ste18, WZ95, Zha97, HC89a, HC89b, PS88, Zha95].

Profile
[PK93, PK94].

Programming
[Anr00, Ab01, ES92, FGM91, FS01, GS10a, Gil13, HXY11, LT97, LP11, MW01, OS09, PJB10, MT89].

Projected
[CFL07, GL18, GOR14].

Projecting
[Em98].

Projects
[AG00, Cap98, CCZ97, Cla10, DQ02, GdIl08, Guo02, HM20, LF02a, LP89].

Properties
[BSvd95, BO96, BDM01, BRZ06, Che98, DG91a, Eh92, FLT13, GIK00, Gov91b, Gow96, GW00, HP92a, KK93b, KK93a, Le96, LF02b, LQ16, MNR15, MMW18, MP95b, ND06, NS94, NSCS10, OS10, PP11, PW14a, RE13, SB04, SQ13, SU94, Tre94, Tre05, VZ91, dF05, Bas89, Lag91, ML89, VV89].

Property
[DRTW91, EOS19c, EOS19b, HV19, JWX03, LT97, MO20, NFN14].

Proportional
[BGMN92, CCH98, KLS04, LEMCD19].

Proximity
[KT10a].

Proxy
[XC20, XXY20].

Pseudocontractions
[SB01].

Pseudoinverse
[LC16].

Pseudoinverses
[DS17].

Pseudoinverse
[LC16].

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

Pseudospectral
[BLO04, GO11, KV14, LV17].

Pseudospectrum
[BL10, BGN12].

PSSVD
[ABL94].

Purely
[MS10].

Pyramids
[HO15].

QMR
[Sim97].

QR
[Ste06].

QTT
[DK13, EDK16, KK12].

Quadratic
[Ain17, AW00, Anr00, AB01, BS05, BBT06].
BGG18, BH90, BT10b, BMM20, CKL04, CCL09, DL03, FGM91, FS01, GP07, GHT09, GL10, HK01, HGLO5, HLQ09, KLex07, LP01, LZ14, LNV92, LY03, LS11, Lin03, Mat98, Mee09, MP11, NK01, OYBV19, Pin19, Ple06, PPLG20, QACT13, RS96, RT93, See11, SH91a, Tas15a, Tas15b, TZ13, TU91, Voo12, ZS14, ZHA03, ZHA10b, Meh88.

Quadratic-Bilinear [BGG18].

Quadratically [BBTT06, HMWY18, QS06].

Quadrature [CKR05, FMRR13, FGS14b, UCS17].

Quadratures [Kau92].

Quadric [Nie10].

Quadruples [CMT09, GP98].

Quality [GM98].

Quantum [MSV19].

Quarter [BMM20].

Quasi-Birth-and-Death [Cla10, DQ02, GdI08].

Quasi-Birth-Death [Guo02, Guo03, HMR01].

Quasi-Cyclic [Har07].

Quasi-Definite [GI00, GIK00].

Quasi-Gram [Ste05].

Quasi-Kronecker [BT13, BT12].

Quasi-Minimum [MO20].

Quasi-Newton [EM15, GR17b].

Quasi-Separable [VGO09].

Quasi-Stationary [HM20].

Quasi-Toeplitz [BLAK91, CS98].

Quasidefinite [GSS96].

Quasiseparable [BOS13, BBD11, BEG+09].

Quasiseparable-Vandermonde [BEG+09].

Quaternions [Mac95].

Queue [GT02].

Queueing [BM96].

Queues [HN97].

Quotient [DJ00, GSV00, MA20, Not03, RS08, Ste16c, SL94, SX11, XE10, ZAK13, BF89].

Quotients [CDH12].

R [CT15, Ikkr97, KZ10].

Radai [FLSS17].

Radial [Le 19, WLD18].

Radial [GP18, HNT99, L91, MMS16].

Radius [Alt13, BM19, BN05, BN10, BZ00, COP20, GR93, GO11, GGMO17, JCG14, KV14, LO20, LW05, NP13, Tig91, Tro90, BH96, OW88].

Radix [PL18].

Radix-2 [PL18].

Ramaswani [Guo02].

Random [Ain17, AB19a, BMM20, CWY20, CD05, CLNW20, C009, De97, DMS13, DRSZ07, DG1M15, D08b, ES08, GN03, Hol91, KN99, KW92, PCB16, R05a, VT98, Ede88].

Randomized [BYDW18, BBK18, BG13, CD13, FXG18, GR15, GR17b, HI15, MNR15, Mar11b, Nec19, RST10, Sai19, WXZ16, XCC14, XXC14, XXG12, Xia13, YGL18, ZF13].

Range [AS93, BL93, CP17, CG19, DF20, GLK18, GT11, KM16, LP01, LR94, LP00, Lin03, Lu20, RS18, TW03, TU91, FM88].

Range-Space [GT11].

Ranges [Crt16, GLP11, MA99].

Rank [AKU20, ADGH18, AJRS13, AC20, Ag88b, Arg15, Asw16, BR19, BV92, BLW15, BYDW18, BKS18, BV00, BBBBB20, BDD20, BEGG07, BCR11, BD10, BS15, BS10, BHH+08, BRR20, CBB+20, CGCD13, CI94, CDGS10, CWY20, CS09, CO12, COV14, Cho10, CFT98, CP08c, CDLP05, CHW10, CLG93, CGLM08, CK20, DH01, Dax08, DD060b, De11, DD07, DD08, DD16, De18, DDD20, DV07, DV08a, DV08b, DGGX15, Di09, DS20b, DD20, DK06, DI19, DW000, DL17b, ES09, ES11, ES18, EG15, FPST13, F094, FB95, Fos03, Fou18, FP16, FT07, Fri16, GLPS11, GMN20, GR17a, GT17, GOV19, GSC11, GGL04, GQ14, Grcl0, GV07, GE94, GCC18, GC19, GL13, HY01, HM20, Hel95, HLW94, HMP19, HS13, HST19, IA1V11, IA1V13, IUM14, JMP19].

Rank [JK15, JKN11, KM16, K12, KDGG13, KO18, KL07, KR02, Ko03, K015, Kon00, KK17, KTI11, LIZ09, LC16, LW02b, LIZ05a, LS17, LNSU18, LMPT20, MU13, MA20, MPR18, MMW17, MSS19, MH15, MD03, MHG15, MBM08, NS11, NW14, Nie17, OSS14, PK93, PK94, Pan93, PE95, PL97,
PL14, Qi11, QCL16, Rie92, SCPW12, SS10, SMBJS13, SB92, SC10, SD15a, SDD15, Ste08, Ste10a, Ste13, Ste93b, Ste16b, Ste16c, Ste18, STT17, Tas15a, TYUC17, VV10, VYH11, WC14, WCY15, WLD18, WCC16, WD94, WD95, XLS16, XX16, XG10, Yan20, YXY20, ZH16, ZG10, ZLS12, ZZ09, dSL08, dTDM08, vdV96, BK89, MK20, Wim88a]}

Rank- [BLW15, BV00, ES09, GGL04, KR02, Kon00, NW14, DDV00b, De 11, DD20, SD15a, SDD15].
Rank-1 [DDV00b, GCC18, Ste10a, ZLQ12].
Rank-Completing [HMP19].
Rank-Constrained [FT07].
Rank-Deficient [Fos03, HS15, MH15].
Rank-One [Arg15, BEGG07, GE94, HST19, JK15, LNSU18, MMW17, MSS19, MHG15, PL14, Qi11, SB92, WC14, ZG01, AKU20].
Rank-Reducing [WD95].
Rank-Revealing [CCDM13, CI94, HY01, LLZ09, LZ05a, PE95, Ste93b].
Rank-Structured [MPR18, XG10, Zhl12].
Ranking [WI09, Ranks [DL17a, NY19, RW95, TL06, HPR89].
Rapidly [Auc91].
Rates [BMF03, LFW13, Nab99].
Ratio [AKU20, LNSU18, NBS10, Qi11].
Rational [AB16a, AB18, ADMZ19, ADHM19, BL00, BGV10, BG15, BVO0, BD90, CM19, D10, DSZ14, EG20, FKL13, GG14, HBI2, Tan09, KL91, KO15, KK93b, KK93a, LM98a, Lie08, LW94, MV97, Nov11, OV99, Sid95, Sim16, SB11, VFGM05, VMM15, CF99].
Rationally [Tre88a].
Rayleigh [PS04].
Rayleigh-Quotients [CDH12].
Reachability [BF06, NT08].
Reachable [Men12, ZvSD20].
Reaction [KS15].
Referees [Ano97].
Reference [To97].
Refinable [Han03, JRZ99, RST01].
Refined [Eir00, HP92a, IN09, JN03].

Real-Structured [BGMN15].
Real-Symmetric [Fio11].
Real-Valued [CP03c, JW11, JLZ16].
Realization [CFL07, FPST13, LM90, Par99].
Realizations [FN04, HMP94, JK97, Par92, Wim88a].
Realness [ABK+11, CT08].
Recap [BP92].
Recency [Gow96].
Recovery [BIS12, BtTD11, DDM10, Fou18, GQ14, Pin19, WCCL16].
Rectangular [Baz00, BHL+93, BD10, GT04, GT08, HLS97, WA07, YL08].
Recurrence [ESS+12, ZS99b].
Recurrences [GS00b, GR00].
Recurrence [Guo02].
Recursion [BM00].
Recursions [BLAK91].
Recursive [AHS00, B’er09, CS01, CGV03, KS08, LM03, PL18, PV17, Qia88, ST01, Tan97, Wei11, ZWF05, ZZZY02].
Reduced [GV99, Gre99, JX20, NS96, SS17].
Reduction [ASvG17, BDG20, BGG18, BGG19, BKG94, BKK18, DV07, DD14, Fei94, FL18, FG15, GVV04, GFM03, Gei91, GR17a, GP97, GAB08, Guo03, HMR01, HJP03, IT18, JK95a, Law13, MJM11, NTTZ18, NBS10, OST08, OST90, Ost10, PYHK93, Par92, RT99, SS17, Sou19, Tis04, VVM05, VGA10, ZPW18].
Reductions [SH91b].
Reeves [YBZC16].
Refine [Ano97].
Reference [To97].
Refinable [Han03, JRZ99, RST01].
Refined [Eir00, HP92a, IN09, JN03].

Real-Structured [BGMN15].
Real-Symmetric [Fio11].
Real-Valued [CP03c, JW11, JLZ16].
Realization [CFL07, FPST13, LM90, Par99].
Realizations [FN04, HMP94, JK97, Par92, Wim88a].
Realness [ABK+11, CT08].
Recap [BP92].
Recency [Gow96].
Recovery [BIS12, BtTD11, DDM10, Fou18, GQ14, Pin19, WCCL16].
Rectangular [Baz00, BHL+93, BD10, GT04, GT08, HLS97, WA07, YL08].
Recurrence [ESS+12, ZS99b].
Recurrences [GS00b, GR00].
Recurrence [Guo02].
Recursion [BM00].
Recursions [BLAK91].
Recursive [AHS00, B’er09, CS01, CGV03, KS08, LM03, PL18, PV17, Qia88, ST01, Tan97, Wei11, ZWF05, ZZZY02].
Reduced [GV99, Gre99, JX20, NS96, SS17].
Reduction [ASvG17, BDG20, BGG18, BGG19, BKG94, BKK18, DV07, DD14, Fei94, FL18, FG15, GVV04, GFM03, Gei91, GR17a, GP97, GAB08, Guo03, HMR01, HJP03, IT18, JK95a, Law13, MJM11, NTTZ18, NBS10, OST08, OST90, Ost10, PYHK93, Par92, RT99, SS17, Sou19, Tis04, VVM05, VGA10, ZPW18].
Reductions [SH91b].
Reeves [YBZC16].
Refine [Ano97].
Reference [To97].
Refinable [Han03, JRZ99, RST01].
Refined [Eir00, HP92a, IN09, JN03].
[BES05, DHT01, JDS03, Tis01a, Hav89].


Regions [HL02], Regression [IAVD11, Kir92, SW94]. Regions [HL02]. Regression [ACW17, Beo97, Fei94, MYA19, O’L90].


Regular [BR19, Bez12, Cao00a, Cao00b, DD16, GT17, LV06, Pow88]. Regularity [FGP00, GP16, JR99, RR98, RST01].

Regularization [BE07, BGMN92, CCH98, GMN20, GHO99, KS99, KO01, KLX04, Mal03, MH13a, PWS12, WXZ16].

Regularization-Robust [PSW12].

Regularized [BBTT06, BBTK08, BST16, CC17, DGSW06, Dol07, HMWY18, LC16, LPT10, PO03, RG05, SNC02, SHZ12].

Regularizing [HJ07].

Related [Alt13, BF93, BKMS14, CZ03, Cro16, CKP11, DMC13, DLM04, DK98, FS01, GP18, Gut92, Gut94, Gut14, HLS97, KL18, May12, MP91, PK93, PK94, SWYM96, ZLQ12, Bas89, BBDS95].

Relation [Fie95, Nou96, Tam97, Xu98, ZZ98b, MV88]. Relations [BS02b, CG96, EGGR99, GP03, HLT91, Mat05]. Relationship [CG92, HPS+11, PP05b, Pei98].

Relationships [CF02]. Relative [Bar00b, DDIY14b, DP04, DMM03, DMM08, DH97, EI98, EGTP17, HCS15, Le96, Li98a, Li98b, Li99, Li05, LR99, Par05, Tru06, Ye09].

Relative-Error [DMM08]. Relatively [WLVO6].

Relaxation [AW00, BF05, ENV92, HZ01, LZ10, Woz93].

Relaxations [FJJBD15, Hel00, LQ16, NW14, Sch05].

Reliable [Dh98, 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, GdlIl08, KK12, Mar11b, Sai16, Ste16a, SB95, SB03, Wei96].

Representations [CDG+05, CGP06, CDG+07, HLW05, HR00, JLZ16, LHC16, MW01, WL06, WL12].

Representing [Tig91]. Reputation [dKV10]. Require [Tsa98]. Rescaling [Hu92].

Research [GKL12]. Residual [CD14, CGLV11, DH97, Ern00, FJKM96, Gre97, HJ07, Mat98, Meu11, Meu17, Saa06, Ste91b, gS96, Tru06].

Residual-Minimizing [Ern00].

Residual-type [Saa06]. Residuals [BD09, Gr010]. Resistance [Fit19].

Resolution [CC92]. Resonance [GS06].

Respect [RODS15, Uhl18, WD94].

Response [BL12, BL13, ZX14, MP88].

Restart [WS00]. Restarted [BJM05, BER04, BF00, FGS14a, JK97, JN03, LS96, Le01, MR97, Mor95, Mor00, NZ16, Sim00, EX12]. Restarting [AG14, CGLV11, EGG11, Sta02].

Restarts [FGS14b, ZH17].

Restoration [CR96, NNP04, RHE14].

Restricted [BT10a, CDD00, DG91a, MT15, Nov11, VZ91, Zha91]. Restricted-denominator [Nov11].

Restrictively [LW20a]. Results [CGL18, P10, SL09, Voo12].

Results [BDld93, Cho10, DG91b, Din98, Djo08, DD13a, DIKMI18, Fer97, GS02, GWZ05, KS03, Mei04, Men99, MT00, MPS98, NP96, Ser98, Wil08, YL00, Y11, Y11, von93, CRR93].

Resummations [GTJ13].

Retractions [GL18]. Retrieval [BR05, CFL17]. Revealing [CGCDM13, Ci94, DGGX15, DK06, FB95, HY01, KDG13, LL02, LZ05a, Pe05, PL97, Ste93b]. Reverse [BMRZ94, Djo08].

Reversible [DR93].

Review [AYLR04, Meu92]. Revisited [Dub00, Hig05, Pey01, Wu17]. Revisiting [AC20]. reweighted O’L90. Ribière [JX20].

Riccati...
[BIP08, CR10, FHS09, Guo98, GL00b, GL00a, Guo01b, GH07b, GIM08, JL98, JOAKi10, KP99, LwCKL13, Lim07, LgS02, LX06, LX12, Lu05, MOR16, MX09, Sch95a, Sim16, gS98b, Sun04, gWcWL12].

Riccati-Type [LX06].

Ridge [ACW17].

Riemannian [BS10, BAMC20, CDH12, HMWY18, IAVD11, JP92, Lim13, Lin19, VV10, WCCL16, YBZC16, Zha10a, ZBJ15, Zim17].

Riesz [vdMS05].

Right [GRT07, HPS13, HPS16, KS92, MB10, Ple00, WCW10]. Right-Hand [GRT07, HPS13, HPS16, KS92, MB10]. Rightmost [EW13, MR97].

Rigidity [ST08, SC10].

Rigorous [CS10a, DN11].

Ring [CLL20].

Ritz [AKPP08, BGV10, BD09, CE12, Hav89, KA07, KA10, MSZ20, PP11, Tan94, TM12, WZ17, WU17, Wúl05, ZXL14, ZK17].

Robert [Joh96].

Robust [AGP19, AL98b, BSZ20, BH90, BLO03, DLMF13, Ef13, EL97, FMFJ18, GQ14, KB93, LGWX12, LNT18, NK01, OL’90, PSW12, SNC02, Sch05, WL06, WT11, XG10, XX17, Yan93, Zha01, Zul11].

RobustMap [Ost10].

Robustness [BCGG10, Gil13, MV20, WD94]. Role [Liu09].

Root [DK98, EKNX93, Gaw19, GH06, HMT05, IAN06, IAN09, KNOX02, LFW13, Mat97a, Me04, KN04].

Roots [AMWV15, AMR+18, CG15b, FH10, GR05, LB02, Lu98b, MS91, NST15, Smi03, JN89].

Rosenbrock [AB16a].

Rotation [DL02, JSG15].

Rotations [AP94, Drm10, GO95, Moa02, SV05, PS88, SB88].

Rounding [CYA+18, SvdVM00].

Roundoff [EMC17, LEMCD19].

Roundoff-Error-Free [EMC17, LEMCD19].

Row [CH06, CK20, CH99, DH05, FH+94, GNP94, RS94, RSS94, Pan91].

Row-Wise [CH99].

Rows [GN03].

RQ [SY98].

Rule [DTGV105, Mat96, SW98].

Rules [CKR05, LK95, Xu15].

Rutishauser [WE90].

S [CT15, WW08].

Saddle [BSZ20, BB18, BG04, BG06a, CHZ03, DGSW06, Do17, DJR+18, EG15, GGV05, GS10b, GOR14, HZ01, JZ08, KC09, LZ10, Not14, Not19, OS10, PW14b, FR16, PU10, PR14, RS02, RST18, ZS07, SY10, SHZ12, SB04, Tum02, WT11, XW07, Zul11].

Saddle-Point [CHZ03, DGSW06, EG15, GOR14, HZ01, Tum02].

Saddlepoint [RSB92].

Saddlepoints [Men99].

Sammon [ZLN10].

Sample [BMF03, GTP18, GKL95, GKL97, MSS19].

Sampling [AKP08, GS03, IW14, SD19, XXCB14, XXG12].

Sandwich [Jia98].

Satisfy [ZS98b]. Satisfying [CG03a].

Scalable [WLM19, vD99].

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

Scale [ABM+17, BSF010, BYDW18, BH000, ES92, FI18, FM93a, GH07a, GAB08, HXY11, JK95a, KMM18, LC15b, LwCKL13, MS10, Men18, OS09, PR12, SS13, Sim16, SK16, SY98, WZ17, ZSYJ18, HC89a, HC89b, MZ19].

Scaled [CE02, GN16, Mat09, HD97].

Scaling [AMH10, AP94, BBS15, Bet09, BZ00, BX08, CH94, DP05, FLV04, FH19, Fay95, Hig05, HO15, JSG15, KR14, RSS94, SW97].

Scaling-Rotation [JSG15].

Scalings [BB95, Gre92, HPTH19].

Schatten [FHL13].

Scheduling [ADLK01, ADV05].

Scheme [ALN07, ALP07, CWY20, IAVD11, NY95].

Schemes [BOR03, JZ99, WH00, VDG93, WH89].

Schmidt [Bar19, BP92, GGL04, PRS06, Ste05, VNVM14].

Schrödinger [JLS01].

Schubert [YL16].

Schur [GLV10, Ste02, ALAK94, ABN09, BLAK91, BL10, CO99, CS96b, CDGS10, CLN12, CNW08, CH88, DH03, DDV04, DV06b, ET10, GKK94, GKO6, GH06, HL11, HL13, HS95b, HLS97, IM13, JMM14, KL98a,
Schur-Monotonic [GLV10]. Schur-Type [ZH17]. Schur’s [LJS19]. Schwarz
[Bor09, BPS05, FS97, FNS08, HM90, NS07].
Scores [HIW15, Hoo17]. Search
[Hig93, RCH08]. Searches [HK01]. Secant
[CF99]. Second
[BS05, BH93, BB96, FLV04, GR93, Koh99, 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, CK20, CB00, Lu10, RE98, YXY20, dBG08].
Semismooth [DS16, Qi13]. Semismoothness [QY04]. Sense [HPS16].
Sensing [JKN11]. Sensitivity
[Afs08, AA19, Bol90, CI95b, DB88, GA18, GG06, GTP13, GKL97, Mey94, Zen16, Zen19, Zha93b]. Separable
[HL14, KS92, LHC16, VGV09]. Separation
[De 11, LZh05b, WLB05]. Separators
[GM98]. Sequence
[BGH95, DD99, LM98a, Paa09, PW14a, Tam97]. Sequences
[Arg15, FFH19, FC01, HSC04, NSCS10]. Sequential
[DP07, Pea88]. Sequentially
[CDG+05]. Serial [OYBV19]. Series
[DM05, FG15, HR93, KS03, LW20a, SGX14, Vp93, Bas89, BN88, Tre88b]. Serra
[WW08]. Serra-Capizzano [WW08]. Server
[GT02]. Set
[AM95, AKM97, BM19, BF06, CP17, EK96, Gow96, Gro97, Hla08, Huh01, KP08, LP96, May12, NS18, P194, RS18, Pea88]. Several
[Bin90, CCG09]. Sham
[WW14]. Shape [AKM97]. shared
[KP92]. Sharp
[BT92, Dri06, Hal20, 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, HM01, KM11, KM14, MV07a, RN18]. Shifting
[MP91, dG93]. Shifts
[BBM02a, Emb09, MV18, Wat95, Zh12]. Short
[ESS+12]. Short-Term [ESS+12]. shorted
[BM88]. SIAM
[Ano11, CH93a, HC89b, WW08, Zha95, GI97, Ikr97]. Sided
[BB07, C20, FB95, Fie96, OYBV19, SWYM96, ZH17]. Sides
[GRT07, HPS13, HPS16, KS92, MB10]. Sign
[BD98a, BMOvdD04, BC92, BD15, BDF17, BHM97, CK00, HMNT04, JMO93, KL91,
KL92, KOSvdD07, LOvdD02, LS95, Peñ95, Sha95, SHS03, Tsa98, JJ88. Sign-Central [BD15]. Sign-Nonsingular [BC92]. Sign-Solvability [CK00, Sha95]. Signatures [Wim06]. Signed [HKG09, KSH02, SHS03]. Significance [Van92]. SIMD [BMSV92]. Similar [LLˇS09, Sle09, WE90]. Similarity [CG15a, FP98, GKK99, IIM94, LPS08, VVM05, dSV01, CH88]. Similarity/Equivalence [IIM94]. Simple [Bol90, GG14, Lu05, MA20, OP05, Ste91b, Tam99, WLB05]. Simpler [JRG09, NTTZ18]. Simultaneous [AhS98, Bin90, BGBM93, BMV20, Cao08, CGV03, CI95a, CL09, CT15, CHH+15, CFG97, CDD00, CDD00a, DDV00a, DG91a, De94b, DD98, Dem92, Dem99, DP09, DSD17, D19, DJ00, Drm00a, ES12, Fer98, Fri05, GMN18, Gra10, GE95c, GRK17, GLM17, Han94, HMP94, HHSW97, HDT10, HMP19, HS00, HP13, HC15, IS07, JS94, JN03, JN91, JN93, Kit95, Kri99, LC15b, Li93, Li98a, Li98b, LM02, LS07, LNT18, MS02, MMW17, MVV92, MMH94, MR18, MS03, Not16, O’N05, PS04, PP05a, RY05, RW95, Rog05, Run97, SCBG05, SS06, SWZ11, Sii03, SB01, s500a, Tam98, vWvBqJ11, WA07, Wan15, Wat92b, XPL+18, YB91, Zen19, Zha91, Zha97, Zha00, ZQ10, Bap89, BY88, BN87, FF93, GL96, KN89]. singular [WE89]. Singularities [MS99, VJ07]. Singularity [Bea01, FP16, LH05, RR98, Roh93, Wan98a]. Singularity-Induced [Bea01]. Singularity [Na98]. Sinkhorn [Kni08]. Size [CNW08, KNX04]. Size-Classified [KNX04]. Skeleton [CD13]. Sketching [ACW17, CLNW20, MYA19, TYUC17]. Skew [AKM97, BLDp97, BMMX02, Ben09, DHZ03, DK14, Fer98, GV09, GPTPV16, Hac93, Hat08, Kre05, Meh99, Rod05, RP10, SB04, Tam98, TY02, Tre05, Yas03]. Skew-Adjoint [Rod05]. Skew-Centrosymmetric [TY02, Yas03]. Skew-Hamiltonian [BBMX02, Kre05, Meh99]. Skew-Hamiltonian/Hamiltonian [BBMX02, Meh99]. Skew-Hermitian [BG03, Ben09, RP10, SB04]. Skew-Symmetric [AKM97, BLDp97, DHZ03, Fer98, GV09, GPTPV16, Hac93, Rod05, Tam98, DK14]. Skewcircular [Hu92]. Smoothing [CH88]. Slow [BET02]. Sluggish [O’C02]. Small [BPR20, BLO07, CO12, CNW08, GTP18, GV07, GL95, GL97, Hig03, JV04, Kar11b]. Small-Sample [GTP18, GL95, GL97]. Smallest [Ma10, Mel04, Xue96]. Smith [LK95, Mur91, Mur93]. Smooth [DE99, Mae98]. Smoothed [BC10, SST06]. Smoother [TW00]. Smoothers [DJ+18]. Smoothing [AC20, HJ07, QL99]. Smoothing-Norm [HJ07]. Smoothness [CD00, Han03, JRZ09, JR09, LO20]. Snap [IT06]. Snap-Back [IT06]. SOAR [BS05]. Sobolev [RST01]. Solution [AM95, AMK97, B05, Bar98, BBT05, BBTT06, BBT0K8, BGT14, BM96, BV01, CGRV20, CGDM13, CI95b, CPTP09b, CH07, DK05, DHZ03, DS16, DP07, EHyP04, FLM12, Gar90, GL03, dMGF14, GTP113, GV09, GL00b, GH07b, HLT12, HB94, Han94, Hat08, HP92b, HM97, HO92, Ips06, Ips09, Jou92, KS08, LS10, LHHR95, Li99, LW02b, LBL05, LEMCD19, Lu94, Lu96, Lu05, Mac99,
May12, Mec03, Mec09, MP11, MPS00, OS10, OL99, PAP00, Pai19, PYHK03, PP05b, Pop12, PPLG20, RG05, Rod06, RPG96, SC03, SJ92, Tsu93, Ver96, Wei92, Zha93b, AG88a, Tre88a, Tre89, VV88]. Solutions [BES15, BPE94, BT92, Buc00, CPTP09a, Che01b, CGH11, CK91, CH94, CR10, DYY16, EL97, EP94, GHR95, Ho90, KC09, KT10a, KX70, Lat95a, Ma03, MX09, NS18, OS14, pWPj12, RDC93, RK95, g596, VV10, WS12, Wim92, XZC99, ZHZ05, ZWF05, DK88, Wim88b]. Solvability [CK00, DBW15, Hps16, Pop15, Roh03, Sha94]. Solve [ANT09, GH07a, VGV09]. Solved [HLT08, LC15a, LVV16]. Solver [ADLK01, ADV05, AV91, CGP06, CDG07, DV08a, DL92, HY90, Ste03, VHK01, XG12, Ts2a94]. Solvers [AGP19, ADR92, AGL98, DH93, DGSW06, Dvh12, Joc13, XX16, Xia13, Xe10]. Solves [FS10, SX11]. Solving [AT07, ADD89, BEG09, Ben99, BD90, BM99, BM20, BHP03, BF05, BLNT13, BM20, CG10, CG96, DTL90, ESR01, ES02, EG00, FX18, Fio11, Fos03, GRT07, GLS94, GL14, GL00a, GHT90, GL10, HXY11, Hig90b, HK01, HMP19, HV05, Huc92, Jio92, JV04, JOAk10, LwCKL13, LSxxH20, LHo5, MNR18, MV07b, MPR18, MLV00, MM00, NY95, Ols06, PV17, SWZ11, SS17, ST14, SB11, TMV18, ZF13, BDV89]. Some [Auj00, BL93, BGT05a, BK97, BN10, CGL18, CCI00, CDG05, CS10a, CD00, Cho10, CHW10, C203, CHZ03, Cro16, DLM04, Dri06, EGG99, EL91, GR17a, GIK00, GG00, GS02, HMT93, Ho90, J188, Kan96, KS03, Li91, LZ97, MP95b, MPS98, ND06, NP96, Not19, SU94, Ste11a, TL06, Tre94, Wei95, XX16, Xia12, YL00, ZQZ14, von93, GIM95, MT89, VV89]. SOR [Dan91, HN98]. Soules [EM10]. Source [KNW20]. Space [AD02, AB01, AFPA07, BW95, BK918, BH90, BH93, BD10, Bry17, Cle00, Dru00, FJ97, GP98, GT11, GOS15, GS00b, PR16, Qi11, QZL05]. Spaces [AG17, BvDM+97, DVM91, DS18, GT08, GS03, HV91, KSH02, MMT05, MMMM06b, NNT17, Sal88]. Sparse [ADGH18, AGP09, Aro00, AB01, AL98b, AKP08, BV92, BLP90, BM02, BW99, BT02, BFP95, BrD07, Cav94, CDG07, Che01a, CC09, CG90, DD97, DH99, DH01, DH05, DGL99, DEG09, DD12, DK99, DK01, DP05, DP07, EL92, EL05, EL08, GL99, GMS92, GL93, GNP94, GI94, GO95, GT08, GGC09, GLS94, Gup02, Hs13, HS14, JN93, KU13, LGPS90, LS06, LC05, Lii90, LNP93, LEMCD19, LB96, Lu10, LN14, LKK97, MSZ15, NP96, NP99, NR99, NY95, PFRR17, PL97, Pin19, RS06, Rent02, RS94, RE98, Sz99, STvD17, SY00, SV93, SV15, Tan99, TW00, Vog99, XL16, Xia13, XXCB15, ZZSo2, ZZZ0, dBG08, vD99, dSBvV93, ADD89, DY90, KY93, Li98, PS90]. Sparsified [CCB20]. Sparsity [CK12, HkvdD93, HLW94, PN18, HPR89]. Spatially [Par94]. SPD [LGW12, XX17]. Special [BG94, BJ16, Che98, DCM08, FFH+99, Fie95, Fio00, Ips06, Ips08, Ips09, LGPS90, MG92, NP99, SHS03, Tho94, BHI88, HM89]. Specific [COV14, COV17]. Specified [CHKL01, Chu91, CS10b, Dan93, DB20, KKM14]. Spectra [HSC04, IZ04, KA07, MT00, Ser98]. Spectral [Alt13, AG91b, AG88b, BMF03, BSvdD95, BGK+18, BM19, BGSC07, BE03, BN05, BN10, BZ00, BCG10, BCW12, CSX15, Cap00, CF89, COP20, CG98b, Cle00, CG10, CP17, CG91, FGJ00, FST+13, FC01, FL99, GSCS15, GP97, GG06, GS06, GS10b, Grc10, GR93, GM98, GO13, HNT99, HGC00, JJ03, JW11, JCG14, Kar11a, KS17, KK93b, KK93a, Lna07, LS01, Li16, MS97, Mat97b, MW01, M6011, MS18, NNF14, NP13, NSCS10, PR01, PJB10,
QY04, RS18, Sen06, SB04, SQ13, TP14, TY02, Tig91, Tre90, Tre94, WS12, Wel11, XE12, Yas03, BH96, OW88. Spectrally [BMOvdD04]. Spectroscopy [LW05]. Spectrum [Chu91, CG98a, DHST05, FT16, GMS90, MF20, MSS19, MS03, PV09, RN18, SdJL + 18, ZAK13, DS95]. Spectrum-based [MF20]. Sphere [CDLP05]. Spherical [ZLQ12]. SPIKE [MM09]. Spill [CCL09]. Spill-Over [CCL09]. spillover [QCCT17]. Spline [AC20, HHRV99, GBCW89]. Splines [AC20, Pin19]. Split [Mel01]. Splitting [BBS15, BGN03, Cao00b, HM04a, ILNS17, MBN17, Ra109, RP10, SB04, YLA97]. Splittings [Cao00a]. Spring [NW02]. Square [DL02, DK98, FH10, Gaw19, GR93, HL08, HH94, HM105, LW13, Lu98b, MS91, Mat97a, Mei04, PR01, XSW10, JN89]. Squared [BEBT07, GN16, PP05]. Squares [ABG07, Aru92, ANT09, BG11, Bar98, BBT05, BBTK08, BE10, BST16, Ben99, BN06b, BPE94, BE98, BHM00, Bj614, BV01, BHP03, BX05, BV95, CGCDM13, CNP94, CG98b, CPTP09b, CG09, CG10, CH39b, LCL20, Chu91, CG98b, CK91, CHMW20, CH99, DN08, DHZ03, EL97, EP94, ESO19c, FF94, FB94, For96, FS01, GS10a, GH909, GJTP12, GTP13, Grc10, Gu98a, Gu98b, GW92, Gu95, HG18, HY10, HX11, HPS+11, HG14, HM97, HV97, IW14, Jam92, KS92, KLR98, KP08, KT10a, LY03, LS06, LW20a, LPT10, Ma04, Mal03, MV10, Mar11a, MLV00, MW19, MH105, PR06, Rei91, RG05, Rod06, Run12, Sha95, SC03, STT17, TETA05, Uscl2, VZ91, Van92, WC14, WCY15, Wei92, WD00, XCCB14, Yan20, ZH03, ZHY16, ZM17, ZL14, ZF10, OL90, Qia88]. squares [VV88, VV89, Zha95]. Squaring [AMH10, BBS15, FH19, Hig05]. Stability [BBD*16, BH90, BvdG11, BES98, Bj614, BLO03, BX08, CMT09, Cor93, DLMT13, FLM10, FJ97, FGS96, GSS96, GLT96, GGMO17, GP18, Hig90b, Hig92, Hig97, IM94, JWX03, KB93, KZ10, Kni04, KV14, LNT18, LR05, LSB16, MS99, Mai99, MMS16, MT15, MF20, NH12, Ovvdg98, OP05, PRS06, Pai10, PT18, RR08, Ro94, RT99, SV97, SS98, Ste03, Ste16b, Ti01b, TS90, TR09, Wat95, Wri95, Wri97, XX16, YP98, Yal00, Yan98, ZFV07, BBDS95, BBV98, JJ88]. Stabilization [DF20, HY00, MF20, Wü105]. Stabilized [Ern00, Le 19, Lz10, Sim97, VHK01]. Stabilizing [CS96b, OS09]. Stable [AB05, AMVW15, AMR+18, AABK19, Bar00a, BBV19, CM93, CS98, CGS98, Cha00, CG03b, CH99, CP20, DP07, rFO06, FGS14b, Fuh07, GNS18, Gov91a, GE94, Gu98c, GGBb03, GP18, Hu92, JK97, JRG90, LS10, LW97, LOvdD02, NP20, PLM94, RR08, Sut12, TCTM00, TR09, Vav94, XCCB14, XSW10, ZS14, CJL96b, GL03]. Stable/Unstable [GP18]. Stage [SJ92, YLA97, SB01]. Staircase [EEK99, EM00, SZK95]. Start [Del97, KW92]. State [BH90, BH93, BGMN92, CMT09, Cle00, Cor93, DGRM00, DWYW20, ES18, HS10, KLM04, LFW13, BHKR11, Zab89]. State-Discretization [DGRM00]. state-feedback [Zab89]. State-Space [BH90, Cle00]. States [DA05, NT08]. Stationary [BF11, Cao08, FNS08, GV99, HM20, KS15, LF02a, Lu12, MS02, Mey94, OW96]. Statistical [BCR11, GKL95, GKL97, Hoo17, KLR98]. Steady [ES18]. Steady-State [ES18]. Steepest [KL08]. Step [AV91, CD14, CD15, Car18, KMN11, Sle09, Sor92]. Steps [MV18, Sle09]. Stepwise [Mim00]. Stiefel [Bry17, LW15, Zim17]. Stieltjes [Bas89, FGS14a, MMS94, NV94]. Stiffness [GSCS15]. Stochastic [AK90, BF11, CG98a, DGRM00, ES18, EU10, Fie95, FST+13, GDF01, HR93].
MW12, PU10, PU14, Pu13, RT20, Sen98, UCS17, WSSL06, YBZC16, Hav89. Stokes [Elm97, WT11]. Stopping [ADR92, Ari13, CPTP09b, EL91]. Strang [KO05]. Strassen [BPR20]. Strategies [DP05, DP07, Kon00, RE98, Ser96]. Strategy [BF05, CD14, PFRR17, Zha01]. Stratification [EEK99, EJK09, FGP00, GP98, Huh01]. Stratification-Enhanced [EEK99]. Strong [ADHM19, BS94b, Ger92, LP17, Yal00, BDV89]. Stronger [FJKM96]. Strongly [BD15, Zie95]. Strict [GP06, MMS94, NV94]. Strictly [BS94a, Mal06, Tas15b]. Structural [ADHM19, DIKMI18, EL92]. Structure [AFPA07, BRR00, BFZ07, BR19, Bar98, BT17, BS15, Bo190, BHR10, BJM17, CK91, CS95, De 94b, Di 09, DLM04, DJK17, DS18, Gi94, Gr05, GGC09, GL10, HH93, HI03, HLQ09, HKBM8, KC94, Ko05, KK17, KT10b, KS12, KLS16, LP96, LGC08, LX06, LK95, MV17, MMS16, MBO97, MD03, NP96, SdJL +18, SMM20, ZZ99, ZZ01, dTDM08, DS95]. Structure-Preserving [GL10, HLQ09, KK17, KS12, KLS16, LX06, MMS16, SMM20]. Structured [AA09, AK20, AC20, ADC04, ANT19, BB08, BB05, BBTK08, BE10, BST16, BM06, Bor10, BKMS14, BKMS15, BK19, Bu00, BGBM92, BG12, BGM15, BK06, CGCDMI13, CLN20, CB90, DV07, DV08a, DV08b, Dem99, DK06, Fuh07, GR17a, GW07, GK93, Gu98b, Gu98c, GGM017, GRK17, GL10, HHSW97, HH92, HH98, IUM14, JV16, JK95b, KKT06, Kar10, Kar11b, KS08, KPM09, LX09, Li99, Mac99, MMT05, MAM06a, MMT08, MVP05, MU13, MR18, MLV00, Mur91, Mur93, NP99, OSS14, PO03, RV17, RPG96, RPG98, Rum03a, Rum03b, Rum15, SV97, Ste16b, gS98a, TH01, Tis01b, Tis03, VFGM05, Wat92b, WD95, XCC14, XCC14, XX16, XG10, XCGL10, Xia12, XGG12, XX17, XW07, Zhl12, vdWM95, DGIM06, GIMT95]. Structures [BKMS14, BKMS15, DD07, DV06a, DV06b, EK96, FGJ00, FFH +19, GL93, RD95, ST08, ZGP10, DB88]. Study [CG15b, Zhe96, Zhe98]. Sturm [BGH95, Mal06]. Style [Dol07]. Subadditive [ZQ10]. Subclasses [LQ16]. Subcritical [HM20]. Subdefinite [CHLS00, ND06]. Subdiagonal [GN16]. Subdivision [JZ99]. Subdivisions [GP16]. Subdominant [GN03]. Subgeometric [Mas16]. Subgraph [CP20]. Subject [CG98b, VV89]. Sublinear [CD13]. Submatrices [JK95b, dSV01]. Submatrix [Bai05, OR93]. Submultiplicativity [JN91]. Subsampled [BG13]. Subset [AB13, CK20, CB00, DA05, Fei94, ZvSD20]. Subspace [ASVM04, AT07, ABM +17, ABMV20, AKPP08, BR05, BD09, CP03a, CFT16, DS20a, EST +12, EN08, Ern00, FGS14a, FLS20, GGLN13, GG14, GPTPV16, GMN16, Gut14, HS95a, HIS18, HGL05, JK97, KMM18, KO15, KT10b, KT11, KV14, KL18, Lh01, Li98b, LY03, MV92, MH13b, NZ16, RSS09, R02, Saa97, Saa16, SS19, Sa19, SS13, Sid95, Sim00, Sim16, SK16, TP14, Ver96, WY17, ZPW18, vdES04, Fuh88, Lag91]. Subspace-Based [AT07]. Subspaces [BD98a, BER04, BK08, BMX02, BT10b, BHM07, BK06, CVG03, DWH92, DIKMI18, Drm00b, DK98, DZ14, FB95, FMX02, HSI18, KK14, KA07, Kre05, Li93, LW97, Men12, Miy14, PLM94, RR08, Rod05, Ste16a, SL94, Tam09, 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, Pin19, RR98, ST08, ZWF05, Gad88, Pan91]. Sum [ADHM19, BLW15, BLdP97, Her96, LPS08,
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Superdiagonal [Tam98]. Superfast [AG88a, CGS+08, FLM12, Ste03, VHKO1, XCCB14, XCLG10, XCG12]. Superlinear [CT99, CP03b]. Supernodal [DGL99, DEG+99]. Supernodes [LNP93]. Superopporntial [Tyr92]. Superresolution [ZGP10]. Supersymmetric [KR02]. Support [BGH+06, BH03, BGH07, SW97]. Support-Graph [BGH+06]. Suprema [AMT90]. Surfaces [Nie10]. SVD [BYDW18, CS09, DP09, DM04, DV08c, DV08d, GSV00, GL05, GE95a, GCC18, IO16, LGC+14, MVV93, OYBV19, Par05, Vac94, WLV06, Xu05, ZZ99]. SVD-Based [GCC18]. SVD-like [Xu05]. SVDs [CF02, Koe05, ZZ01]. Swarztrauber [Tsa94]. Sylvester [AT07, BMO92, CIL96a, DK15, GL96, GH07a, HM89, KF94, Li99, MPR18, SS13]. Sylvester-type [DK15]. Symbol [BGK+18, GSC15]. Symbolic [EL92, GCC09, Gup02].
Symmetric [BV07, HK12]. Symmetric [ADGH18, AM95, Akm97, AT98, AG92, Arg15, APF07, AGL98, Aue91, BNW09, BBD+14, BO96, BOCL97, Bar93a, BLdP97, BR08, BS96, BL91, Bor14, BMV20, Ca00a, Cao09, CD15, Cav94, Cha00, CFJKS13, CH98, CE94, CG98b, CGLM08, CDN14, CW96, DHT01, DDD02, DHZ03, DMM03, DK06, DP05, DP07, EGTP17, EG00, rFO06, FXG18, Fer98, FMFJ18, Fri92, Fri16, GITT96, GI00, GIK00, GOV19, GSS96, GV09, GPTP16, GLS94, GL05, GE94, GLV10, GCC18, Hac93, HO94, HL17, Han03, HM04a, HB94, HY01, HR00, Her96, HMMT07, Hls08, HS14, HV05, IT06, IAV13, JWN18, Jia01, JZ16, JP93, JLS01, JSG15, Kau93, KN91, LZ14, LF02b, LUC18, Lin19, LM03, Lu98b, MV97, MV13, Mat09, May12, Mee03, MB10, MMW17, Mel99, Mel04, Mel92, MSS19, Moa05]. Symmetric [MHG15, MHG17, NS07, NOZ11, Nie17, NY95, Not19, NV02, OW92, OW95, PM06, Ral11, RBB90, Reu02, Rob16, RS92, Rod05, RODS15, SZ07, SS10, SK20, SvdVM00, ST14, Tam98, TY02, TL06, Ts04, Tre90, Tre05, Tur03, VGV09, VHY11, WZ91, Wha90, WS00, XLS16, XG10, Ye99, Zha05, ZWF05, ZLQ12, ZH96, ZS07, vDvHvdV00, All89, BVDV9, DK14, FGS96, GE95b, JP94, Liu88, Ove88, Tre88a]. Symmetric-Definite [Cha00, CG98b]. Symmetric-Indefinite [BBD+14]. Symmetries [FT16, RR94, VV15]. Symmetrization [ALN07, Fit19, Le 19]. Symmetrized [DD98, FFH+19, Pes19]. Symmetry [CCL09, EL92, HM04a, KRU14, SS06, Ste11a]. SYMMLQ [EOS19]. Symplectic [BF00, DJS09, Fio11, GS06, GKL14, JTZ20, KS12, KLS16, LW97, SM20, Xu20, Mel88]. Synchronizing [GG18]. Synthesis [JKN11]. System [AB16a, BFZ07, DH93, DK05, DJK17, FPST13, FL99, JW11, KPC94, LV10, MR97, PGVR98, RB90, WCP10, Wri97].
Systematic [QCT16]. Systems [AM95, ADC04, AK90, BGN03, BRR00, Bar08, BSFM10, BEBT07, BB18, BEG+09, BB12, BGG18, BG19b, BF06, BH90, BH93, BB96, BM99, BG94, Bor03, BF05, BLN13, BW97, BMGM92, BCW12, CT91, CP03a, Cao08, CP03b, CPS0, CI95b, CS98, CG03b, CGS+08, CES20, CCZ97, CNW08, CCH98, CH06, CFL07, CT08, CK00, CHMW20, Cor93, CG96, DGMR00, DTGVL05, DL03, DGSMW06, DS16, DSQ14, DP07, EN92, EGT17, ES12, EG00, EG15, EJ91, ELM10, ELM12, FXG18, FL19, FG15, FJ97, FY98, FNS08, FKL13, GVV04, GL03, Ger92, GPMS02, GSS96, GLT96, GGV05, GRT07, GOR14, Gov91a, GR15, GT11, GV99, Gre99, GV09, Gu08c, GAB08, GL03, GHR95, Han94, HMP94, Hig90a, Hig90b, HH92, HS14, HO92, HV05, IKSG10, Juv92, KGW00, KC09, KS08]. Systems
systems [Tre88b, Wim88a, Zab89, PU14].
Systolic [MVV93].

Tail [Zha95]. T. [JWX03, KO05]. Tails [AW05, ES05]. Tangential [DSZ14, GV04]. Task [ADV05]. Taylor [SGX14]. Technique [BJM05, CM92a, HM20, Hav89].

Techniques [DMP96, JX20, JOAKt10, LS96, PS08, BK89]. Telescopes [Bar08].

Tensor [AJRS13, BLW15, BYDW18, BBK18, BBV19, BG19b, BLNT13, CS09, CHZ16, CLL20, CGLM08, CDH12, De 08a, De 08b, DN08, DCM08, De 11, DW15, DK13, DDD20, DIS15, ES09, ESI1, EDK16, FHLS13, GQ14, GCC18, HK08, JK15, JLZ16, JX20, KS15, KLI10, Ko10, Kolo3, KM11, KM14, Krä19, KT10b, KT11, LC15b, LC16, Li16, LUC18, LGL16, LRSV13, MMD08, MV08, MSV19, MK20, MHG17, MBM08, NQZ10, NW14, Nie17, NY19, NY20, Os10, Qi11, QXX14, QCL16, RV12, Rau02a, Rau02b, SK20, SD19, Ste10a, Ste11a, SL12, Ste13, Usc12, WCY15, Yan20, ZLQ12, dSL08].

Tensor-Based [MMD08]. Tensor-CUR [MMD08]. Tensor-Product [HK08].

Tensor-Train [LRSV13].

Tensors [Ano11, Asw16, AB19b, BB08, BBBT20, BPR20, CPZ11, CWY20, CS09, CK12, CO12, COV14, COV17, CGLM08, CDN14, CLN14, DV00b, DL17a, DD13a, DD13b, DD14, DSD17, Fri16, GTH19b, Gra10, GC19, HST19, IAVD11, IAV13, JWW18, KBHH13, KR02, KK17, LNSU18, LRSV13, LQ16, MHG15, NQB14, PSS19, QXX14, Rob16, Sai16, SQ13, SD15b, VNV014, WC14, YY10, YY11, ZG01, ZQZ14, ZH16].

Term [BLAK91, ESS+12, GR00, ZQZ14, GS00b].

Terms [BLW15, De 08a, De 08b, DN08, De 11, DD20, SD15a, SDD15, Ste10a, Ste12].

Test [OP05, vdMS05, Stu89]. Tests [MH13a]. Text [HJP03]. th [Ian90, Sni03, Ste10a, Ian06, GH06].

Their [Bar19, Bez12, CCZ97, CM03, DL17a, EK96, HL13, JLZ16, KMS01, KMS03, Lew91, LF02b, NP99, RS96, Si03, SX11, Tlg91, HM89, HMT09, JN89, MV88, TFL11].

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Two-term [GS00b].

Two-Variable [Pà11].

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