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) [Kåg94].
(L_r, n, L_r, n, 1) [SD15a, SDD15]. (\lambda, \mu) [JKM11].
(\alpha, \beta) [LW20b]. A^m - A^n = IJ [Ho90].
A^T X \pm X^T A = B [Bra98].
A\bar{X} - XB = C [BHH88].
AX = B [yPWjP12]. A x = AB x [WZ91].
AXB + CYD = E [LBL05, Özg91].
AXB^* + CYD^* = E [SC03]. AZ
[CHMW20]. B [Ste10b, WZ91]. \beta [LGI21].
BML [BMV18]. BR [GHW99]. BXA^T = T
[DHZ03]. CP [FP98]. G [JM96]. H_2
[BB12]. \chi^2 [MH13a]. cp [SMBJS13, BSU15].
CUR [DMM08]. D
[KMS01, KMS03, GSCS15]. e [JC22b]. G
[LT89, NSCS10]. H
[AYLR04, AH07, KL98b, LG06]. H_+. H_{\infty}
[HLT12]. H_{\infty} [GGO13, FSV14]. HR [Sle09].
I \otimes A [Gre05]. I \times J \times 2 [SD09]. K
[Car94, Yas03, BT06, CSEP21, GGL04,
KM16, Kon00, Pro13, Sor92]. L
-Step [CD14, CD15, Car18, Sor92].


Aberth [BGTO5b]. ABLE [BDY99]. Abscissa [BM19, FL99, GO11, HGC00, KV14, LV17]. Absolute [CO99, El98, Hla23, MSZ21]. Absorption [SDJL+18]. Accelerate [RCH08]. Accelerated [AGQS22, LGC+14, TP14]. Accelerating [BJM05, WZ17]. Acceleration [BRZ06, DH22, ENV92, KL18, PS08, SK16, ADHNN88]. Accuracy [CD14, CD15, CHKL01, CYA+18, DMM03, GKKX94, GJTP12, Gre97, GS00b, Hla22, JR08, LM18, Mat09, Pai19, Par05, HL06].

Accurate [AGL98, Bar02, BPE94, BV01, CGCDM13, DP15, DK58, DV2b, Dem99, DK05, DM04, DK06, DJ00, Drm00a, DV08c, DV08d, EKNX93, HB12, Hey95, Hua21, Ios06, Ips09, JC22b, Koe05, Koe07, Mas94, Mat95a, Ogi10, PM06, Ral09, SCBC21, SGX14, STT17]. Accurately [Fer98]. Acquired [OS10]. Active [HIS18, KP08]. Acyclic [CP20]. Adaptive [BDY99, Bar08, Car18, Dan91, DSZ14, DWYY20, GMMN21, HMWW18, KM14, Lu10, LE02, PP92, SB92, ZPW18, Cri88]. Addendum [GI97, Ste02]. Addition [BT13]. Additive [BPS05, BW93, FS97, Zab91]. Additivity [BPR20, HS08]. ADI [CR96]. Adjacency [FST+13]. Adjacency-Spectral [FST+13]. Adjoint [Cao09, LP01, Lie08, MSZ20, Rod05, ZAK13, BP21, vMSZ05].

Adjustment [BX05]. Adjustments [BG19a]. Admissible [KS20]. AE [Pop12]. Affine [AGQS22, BW95, CS96c, Fay95, Gow90, Gow96, LWY19]. Affine-Scaling [Fay95]. After [BR22, Far16]. Again [Mac95]. Agglomerative [IO16]. Aggregation [DWYY20, Not06, Pul13, SST05, HJ89]. Aggregation-Based [Not06, SST05]. Aggressive [BBM02b, KK07, Kre08, NAY12, SCMV21]. Aggressively [SGX14]. Ahead [GR00, SK95, CH92, CH93a]. AIMD [WSSL06]. Algebra [BDHS11, BSvdD95, BF93, BFP95, BCGG10, CFL17, De 06, DD98, DD99, MG92, MMW18, NV94, Rau02a, Rau02b, PS22]. Algebraic [BIP08, Bar09, BM02, BW99, CL17, CCB+20, CKO+22, CT08, DYH06, DG91b, DG91c, DLMT13, EZ95, EK17, FL02, FT14, FV98, FS97, GHR21, GGV05, dMGF14, Guo98, GL00b, GL00a, Guo01b, GH07b, GIM08, Hoo17, JL98, JOAK+10, Kap90, KP99, KM96, LwCKL13, LS17, LgS02, LX12, Lu05, MOR16, Neu00, Not06, Not16, PAP00, PS05, Pul13, SKP11, Sim16, gs98b, Sun04, VFO0, VZ06, gWcWL12, XLS16, Zim17, CRR93, San88, Sch95a]. Algebraically [RW01]. Algebras [BD95, CO99, Di 09, Di 00, KHH04, MMT08, Tam09]. Algorithm [ALAK94, AA94, AMMS08, AMH10, ADD96, AM23, Arg15, AB01, BOCL97, BES05, BLW15, BEG+09, BFS21, BP92, Bor14, BBM02a, BBM02b, BG06b, BMU94, BKK18].
Algorithm [LHC16, LGC14, LH05, LZ10, MM11, Mar11b, MLV00, MTV10, Mel01, MM92, NRT92b, OW96, OYBV19, PyK93, Par99, PCK22, PO03, RD95, RST10, RS08, SK95, Sen98, SdJL18, Sha23, SB05, Sle09, SDD15, ST01, Spe98, Ste01, Ste02, Ste05, Tas15a, Tur03, Usc12, Van11, VW12, Ven93, WZ91, GCW12, Wat95, Wat00, WL12, XBC22, XK94, Xu20, YP98, Yz00, ZS14, Zha17, ZB15, Zhi12, ZZ98b, ZS07, Zim17, Bar89, CJL96b, CH92, CH93a, CM89, CM92b, DY90, Fuh88, GIM95, GE95b, MT89, Qin88].

Algorithmic [BG19a, BBGL92, EL08, GG13].

Algorithms [ADGH18, AMHL22, AG91b, AH16, AG92, AD98, Auc91, Bar19, BM00, BBV99, BM19, Ber09, Begg07, BM17, BG13, CE02, CG03b, CD95, CD13, CZ02, CB90, DN08, DHT05, DGGG22, DM04, Drm00a, DK99, DK01, EAS98, FH18, Gm98, GK15, GCK94, GQ14, GR17b, GTPV16, Gu98b, Gu98c, GCC18, GO11, Gu02, Gu92, Gu94, HM89, HR04, Hig90, HLQ09, JHH88, KW92, LUC18, LWY19, LX06, Lu95, LV17, MV14, Mhe04, Mhe08, MP12, MP91, MSK21, MM94, Nec19, NS94, NY95, Ost10, PM06, PL18, PTC13, PGVR98, RGO5, RT20, Saa06, SKP11, SDD15, ST14, Swe93, TYUC17, Vav94, VS14, WE91, Wat93, WE94, Wat98, Wat92a, WZL21, XX16, Xia12, Xu98, Yan98, YGL18, ZS02, ZFV07, ZLN10, ZGP10, BDBS95, BDV89, KP92, Pan91, Pea88, SB88].

All-at-Once [LW20b, WZZ22]. Allow [KOSvdD07]. Almost [GP06, Ya100, HD97]. almost-diagonal [HD97]. Along [Ste21].

Alternating [BST16, CLL20, DN08, De18, GHHW90, HXY11, KP08, SRT17, Usc12, gWcWL12, WC14, WCY15, Yan20, ZN21, CSEP21].

Alternating-directional [gWcWL12].

Alternative [BES05, BE10]. AMG [HV19].

Among [BH94, Mat05, GPTPV16].

Anal [Ano11, CH93a, Gi97, HC89b, WW08, ZHA95].

Anal. [Ikr97].

Analog [HM90].

analogue [CH88].

Analyses [CP97, CP98, PGVR98].

Analysis [Afs08, AA19, AB01, AKP08, AMR18, BB22, Bar93a, Bar19, BH90, BH93, BSGC07, BvdG11, BDF22, BC10, BCW12, CKL21, CG03a, CI95a, CGP09, Che01a, CL90, CLN12, CD17, CG95, CGH11, CS10b, DHT01, DH22, DSCC11, DJR18, DMW23, EZ95, EK15, FT14, Fie96, FC01, FSS21, GSCS15, GP97, GA18, Gi13, GS06, GGV05, GS10b, GED22, Gow96, GHN18, Gu95, Gu02, HHRV99, HOvdD93, He21, HL23, Hig90b, HHC03, H15, HK12, HKBMO8, IK06, IZ20, IS07, IO16, JI10, JIa22, Kahrung94, KS03, KN09, KPC94, KMP01, KM11, LHV16, Lew96, Lew99, LGs02, LX06, LS16, LS95, LT94, MOR16, MT15, MM90, MS03, Nap13, NOZ11, NZ16, Not03, Not14, PP05a, PP05b, PAH17, Pet21, Puli13, QCT16, RRR06, RST10, Saa97, Saa16, SS19, Sai19].

Analytic [SST06, Sim16, SH23, Ste05, Ste06, Ste11b, Sun95a, Sun96, Sun04, VV88, VV89, Wat92a, Wei92, Wil11, WL12, WZZ22, XE10, YC97, YLA97, Zha93a, ZZ01, ZZS02, ZLN10, CM89, CM92b, DB88, HC89a, HC89b].
Analytical [WCB22, XZ22, YYX20]. Analyticity [WCB22, XZ22, YXY20]. Analyzing [CYA+18]. Anderson [DH22]. Ando [Zha04]. angle [Sal88]. Angles [BL91, CS96a, Drm00b, KA07, MSZ21, Sai19, ZQ10]. Anisotropic [BGK+18]. Anti [FMRR13, Ver96]. Anti-Causal [FMRR13]. Anti-Gauss [FMRR13]. Antiferromagnetic [CRR93]. Antinorms [GZ15]. Antireflective [BDSC11]. Antisymmetric [KK17]. Antitriangular [CLN12, MV13, PW14b]. Any [AKP08, BGK+18, CT99, GPS96, Pai09, TM12]. Apart [Rum15]. Appearing [LW05]. Application [AGQS22, AMH09, AH14, BG15, Beb06, BM02, BS02a, BS02b, BAMC20, Che01a, Dav08, FMFJ18, GRK17, GHL03, HO10, HM97, IKSG10, JC22b, JT98, Joh08, LC16, LBL05, MS03, Pha01, SEM13, gS96, Tan09, TW00, TP14, XQ10, vD99, KY93]. Approaches [MHG17]. Approximability [HHSW97]. Approximants [BL94, CM93, Hig01, Bas89]. Approximate [ADD96, Beb06, BM02, BS02a, BS02b, BAMC20, Che01a, Dav08, FMFJ18, GRK17, GHL03, HO10, HM97, IKSG10, JC22b, JT98, Joh08, LC16, LBL05, MS03, Pha01, SEM13, gS96, Tan09, TW00, TP14, XQ10, vD99, KY93]. Approaching [AGQS22, AMH09, AH14, BG15, Bez12, BM01, CR96, CS01, CS10b, FMRR13, GPM03, GS06, GP16, HM04a, HR00, HT00, HIS18, HHLW13, Ian09, KS03, KMS01, KMS03, Li99, LF02b, LY03, LV10, LK95, Mat97a, MS10, MSS19, PAP00, BL94, CM93, Hig01, Bas89]. Approximate [ADD96, Beb06, BM02, BS02a, BS02b, BAMC20, Che01a, Dav08, FMFJ18, GRK17, GHL03, HO10, HM97, IKSG10, JC22b, JT98, Joh08, LC16, LBL05, MS03, Pha01, SEM13, gS96, Tan09, TW00, TP14, XQ10, vD99, KY93]. Approximately [GN13].
Architectures [JH88, JP94]. Arising [BM96, BMM20, BM06, CGS94, DS16, ES08, GMPS92, GTI11, GV99, Gdl08, GKL12, HV05, HLMQ09, HKBM08, ILNS17, LX12, Lu05, MP11, Vog99, FG96]. Arithmetic [AS93, BD93, CR16, DJ00, HK95, JMPR19, LEMCD19, Tis01a]. Arithmetic-Geometric [BD93]. ARkNLS [CSEP21]. ARMA [SH91b]. Arnoldi [AM23, BS05, BR08, BMV18, CKR05, CZ02, EG20, Emb09, FS10, FGS14b, HKV05, Huc94, JMM14, KO14, Li93, MM98, MMT08, CRR93, Tre88b, WE89]. Astronomical [BN06a]. Asymptotic [DH22, MP21, Meh08, MT00, Naj98, NSCS10, OYBV19, Ser98, SM16, Sta22]. Asymptotically [Li06]. Asymptotics [BS15]. Asynchronous [ADLK01, ADV05, DGL99, SB01]. Attainable [CD14, CYA18, Gre97, JR08, KS20, Lás94]. Attention [IS08]. Augmentation [SHZ12]. Augmented [CF16, 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 [BBD14, DGGX15, KDGG13]. Back [IT06]. Backtrack [AHN21]. Backtrack-Downweighted [AHN21]. Backward [AA09, Ari00, AB01, AMVW15, AMR18, Bor10, BKMS14, BKMS15, BX08, CG09, CL09, CB00, CM99, CM92b, CH99, DM04, EGTP17, GN18, GA18, GJTP12, Gu98a, Gu95, HG18, HH92, HH98, HLT08, JTP10, KZ10, LC15a, LV16, MV21, NH12, PRS06, RJ14, Run15, gSS97, gSS98a, gS00a, Sun04, Tis03, Var94, WX07, ZS14, ADD99]. Bad [Pan16]. Balance [NW02]. Balanced [AK90, BMM10, CFL07, DRV21, HMP94, HPTH19, PR88]. Balancing [EN08, KKS97, LV06]. Band [AG91b, BGKS99, CD98, HPS15, Nab99, NV02, ZZTA02]. Banded [BS15, BM99, CG03b, CKM22, DK08a, GLS12, HB94, IT06, JPR3, Kan93, KS17, TS99]. Bandwidth [RS06]. Banks [CMPX03, HM04a, Jia01]. Barabanov [GZ15, Mor12]. Baire [BBDD95]. Barycentric [Law13]. Based [AT07, AG19, AR93, Bar08, BBV19, BB12, Bér09, BDG15, BDF22, BK95, Bor99, BCM95, BKK18, CR05, CCJ00, CGMM22, CH98, DV08a, DRV21, FGS14b, GIG22, GCC18, GR00, GZ13, HNRS22, HT17, HP03, IAVD11, KO05, KS22a, KP08, KK22, Li16, MMD08, MJ11, Mit21, Not06, Pul13, RSH21, SZ99, Sa16, Sst05, SKP11, SB05, TM10, ZYS20, HK12, JMW96, MF20, PS22]. Bases [ABM21, BDD14, BdTD11, EM10, LP17, MP12, NS94, RV17, SV93, vdMS05]. Basic [DG91b, DD13a, Fer97, LF02b, MLV00, ZZS02]. Basis [BF95, EZ95, EMC17, Le 19, SS17, SB95, WLD18, WLMD19]. Basis-Kernel [SB95]. Bauer [wC03]. Bayesian [BDR12]. be [Hu92, Rum15]. Behavior [BK15, BLO07, KS20, Naj98, Rog05, Tam97, ...
TM12, GS92, Sun89]. **Behaviour** [Drm96].
**Being** [Mas94]. **Bellman** [AB19b].
**Benford** [BHKR11]. **Bernstein** [AK20, AK21, DP10, DP15]. **Best** [AKU20, DDV00b, DHM19, ES09, ES11, ED22, Fei94, FMSS21, GH92, GCC18, HST19, IAVD11, IAV13, JK15, KR02, Lás94, Lee96, LNSU18, LBL05, LT09, NW14, Qi11, RHE14, SS10, ZLQ12, dSL08]. **Beta** [DK08b].
**Between** [CG96, FNV08, KA07, Peñ98, Xu98, ANT19, BS02b, CG92, CF02, De 06, Drm00b, FN04, Lim13, PP05b, RST18, XPL +18, YL16].
**Beyond** [CG19]. **Bézier** [Bez12, Fie95].
**Bezoutian** [HH93].
**BiCG** [ASvG17, Gut14, Sim97].
**BiCircle** [GW07].
**Bidiagonal** [Bar02, Fer98, GL05, GE95a, JOvdD01, JOvdD04, LGC +14, Par05, WLV06].
**Bidiagonalization** [Ari13, Björ14, BB07, CGHR07, Hal22, HPS15, JN03, JL23, Sut12].
**Bidirectional** [Wat93].
**Bifurcation** [Bea01].
**Bifurcations** [MS10].
**Bilinear** [BB12, BGG18, Cao09, Cor93, FG15, LSM22, RODS15].
**Bilinearization** [Ari13, Björ14, BB07, CGHR07, Hal22, HPS15, JN03, JL23, Sut12].
**Biorthogonal** [Sta02].
**Bipartite** [FL02].
**Biproportion** [de 94a].
**Birkhoff** [CLN14].
**Birth** [Cla10, DQ02, GdlI08, Guo02, Guo03, HMR01].
**Birthday** [GKRV90, Mol92].
**Bisection** [AL98a, Ji92].
**Bits** [INRZ21].
**Bivariate** [MR22, NNT17].
**Björck** [BEG +09].
**Black** [AV91, MH95].
**Blind** [De 11, GL21, GED22, PO03].
**Block** [AGJ14, AIM22, ABM21, AL95, BDY99, Bar19, BBT05, BEBT07, BOS16, BD98b, BDF22, Bom00, BB07, BCN95, CSX15, CL17, CLR21, CE02, CNW08, CGS94, CD98, De 08a, De 08b, DN08, Dem23, DRSZ07, DK15, DIKM18, Drm10, DJR +18, EP94, EG20, EG15, FMRR13, FH17, FFH +19, FP98, FST +13, FLS20, GLS12, Gar90, GL03, GJX22, GGV05, Gov91a, GV99, GLS94, GHL03, Hal22, Har07, HLW05, HT00, HG14, HO92, HK12, HC89a, HC89b, IIM94, JMPR19, JV16, KN00, KMP01, KS20, LM02, LW20b, MM11, MVP05, MR22, Mas16, Mei92, MT00, MN97, Nec19, NY95, Not14, OW96, OYBV19, OYV22, Pea88, Pes14, RV12, Rog05, SZ99, SK95, Ser98, SHZ12, Sim97, SSR20, Ste12, TW03, VKDD21, Wan98b, WLMD19, Wei11, ZŠ94, KP92, SS89, ES92, KC94]. **Block-Circulant** [BDDF22]. **Block-Diagonal** [BOS16].
**Block-Diagonalization** [MM11].
**Block-GTH** [OW96]. **Block-Iterative** [CE02].
**Block-Jacobi** [Dem23, OYBV19, OYV22]. **Block-LU** [ES92]. **Block-Monotone** [Mas16].
**Block-Oriented** [Har07]. **Block-Parallel** [ZŠ94]. **Block-Schur** [KMP01]. **Block-sequential** [Pea88].
**Block-Similarity** [FP98]. **Block-Toeplitz** [BDDF22, CNW08, JV16, MVP05, KC94].
**Block-Toeplitz/Hankel** [MVP05].
**Block-Triangularizations** [IM94].
**Block-Tridiagonal** [HO92].
**Block-Tridiagonality** [Bom00]. **Blocking** [PFRR17]. **Blocks** [BV90, CDS10, CNW08, GS10b, JV16, RST18, SS91].
**Blockwise** [XG98]. **BLR** [ABM21].
**Blurring** [RHE14]. **Boolean** [DD99, Jia98, JH88]. **Bootstrap** [BC22].
**Border** [BDD14, CGMZ21]. **Bordered** [Gov91a]. **Bordering** [BMRZ94]. **Bottom** [PS94, RE98]. **Bottom-Up** [PS94, RE98].
**Bound** [BT92, DDY14a, DT11, EV06, FG94, Gow96, GW22, HIS18, KK14, Lás94, Lat95b, Lee95, Li99, LW05, Mat97a, RST18, SST05, Vec03, WLB05, PS88]. **Boundary** [ASA04, ABN09, BDMC11, BL10, Che01a, JLS01, LY91, MN22, MS99, NNP04, Vav92, VH16, JN89]. **Boundary-Layer** [MN22]. **Bounded** [ABK +11, BE07, CGGS98, CGGS99, CGSS01, Cor93, De 18, DDD20, GGM017, GR97, KO18, Kni00, Wat01, Yan93]. **Bounded-Input** [Cor93]. **Bounded-Input/Bounded-State** [Cor93].
Bounded-Rank [KO18].
Bounded-Realness [ABK +11].
Bounded-State [Cor93]. Bounding [DS97, FB95, Hig90a]. Bounds [AMPV97, AKPP08, AR93, Axe92, AW05, BT10a, Bar93b, BS15, BMF05, BH90, BSU15, CS10a, COP20, CGMM22, DS20a, DH93, DH97, Ei98, EOS19a, FKLR13, GTP18, Gu98a, Hal20, HS16, HDT10, HI15, IR08, IN09, JR13, JN93, Kit95, KA10, Kre05, KW94, Lee96, Li93, Li95, LS03, Li05, Li06, LS07, Li16, Lie00, LZ05b, Liu12, LR99, LPT10, MSZ20, Mas16, Mat93c, Mat97b, Mat98, Mel99, Mön11, Nas00, RBB90, RK95, Rum97, Rum12, RJ14, Rum22, SWY96, Sou19, Ste91b, Sun95b, gS96, gS98a, TVW15, Tru06, Wal03, WY17, WD00, Ye09, ZAK13, ZK17, vDHvdV00].
Calibrating [GSM10a]. CALU [GDX11]. Can [Emb09, Fos94, HGC00, HSC04, Run15]. CANDECOMP [GMBS12, PTC13, dMGF14, Ste08, SD09, Ste12]. CANDECOMP/PARAFAC [GMBS12, PTC13, dMGF14, Ste08, SD09, Ste12]. Canonical [BDD14, DDV04, De 06, DJK17, DD13a, DD13b, DD14, DL15, DS18, ED22, EVD22, GZ15, HMT10, IT11, Sai19, SC05, SDC12, SD15a, SDD15, SD15b, SD19, Ste11a, SL12, Ste13, Ste16a, Usc12, VD21, WC10, ZQ10, Zim17, de 90, Hon89, WW08]. Capizzano [WW08]. Carlo [HIS23]. Carlson [CF00]. Cartan [Tam99]. Cartesian [HR95].
Checkable [LQ16]. Checking [JR99]. Cheeger [BSS13, Wal03].
Cheeger-Type [Wal03]. Chemical [KS15]. Choice [MH13a]. Choleski [BCMM95].
Cholesky [AM09, BOCL97, BK89, Bér09, CP98, CH98, DHT01, DH99, DH01, DH05, DK00, DN11, DOV94, GNP94, GS96, GMRS00, LGWX12, LC05, Lin19, LMC22, LN14, Nap13, NR99, RODS15, RJ14, Ste93a, Sun95a, XG10].
Cholesky-Type [Wal03]. Chemical [KS15]. Choice [MH13a]. Choleski [BCMM95].
Cholesky [AM09, BOCL97, BK89, Bér09, CP98, CH98, DHT01, DH99, DH01, DH05, DK00, DN11, DOV94, GNP94, GS96, GMRS00, LGWX12, LC05, Lin19, LMC22, LN14, Nap13, NR99, RODS15, RJ14, Ste93a, Sun95a, XG10].
Cholesky-Like [RODS15]. Choosing [Dan93, KO01, MX98]. Chordal [XPL18].
Classes [HMT93, Hla23, JOvdD03, Kar11a, HS88].
Classical [CLR21, HPS11, Tam99]. Classification [GKK99, HPS11, Pro13].
Closest [CP20, GP18, NP20]. Closure [DK14]. Cluster [SCBG05]. Clustered [BGDY20, HJP03, SD16, Wul05].
Clustering [MW12, OS10, Van08]. CMV [BGD15]. CMV-Based [BGD15]. Co [JN89]. Co-square [JN89]. Coalescing [DP09, DPP13, Uhl20]. Coarse [AG19, HV19]. Coefficient [Art03, BZ00, SEM13]. Coefficients [AG00, BES15, Beb06, CR10, Elt92, GKK94, Gre99, IS11, JV04, LS95, Mal06, Mat05, MMW22, Meu17].
Coherence [IW14].
Complementation-Based [KS22a]. Completness [Bai99, CH93c, CHLS00, Gow90, GS94, GS02, HLT12, Kan96, MP95a, MN97, MPS98, MM00, MPS00, PYHK93, QL99, Van93, Pan91, WBP89].
Completing [HMP19]. Completion [Asw16, BHL98, BDR12, CSK95, DS10, DS19, DGGG22, Fri02, JR88, Lau00, Nax93,
SC10, SD19, ZF14, BJ95. **Completions** [CD98, Dan93, FR23]. **Complex** [BLAK91, BMV20, CHH+15, COV14, CW96, DZ01, GITT96, GWZ05, GZ09, Har19, Hig92, HG21, HLM94, HV05, JZ16, JP09, Koh99, LX12, Mar11a, MV07b, RVA05, Tam98, TT99, VNVMI14, WD94, YL08, CH88, CM92b, Hon89]. **Complex-Shifted** [HG21]. **Complex-Symmetric** [HV05]. **Complexity** [DYH06, JMPR19, KKS97, LH05, PL18, PTC13, Xia12]. **Complimentarity** [CC92]. **Component** [GED22, MYA19, RST10, Yan98]. **Components** [AR93, BLO04, CI95b, JS04, MTV10, Ste08, SD09, Ste12]. **Componentwise** [CC09, Dem92, EGTP17, GKM93, Pet21, RK95, Rum97, Rum03b, Rum15, Zha93a]. **Compositions** [BM01]. **Compressed** [BDG20, HS14, JKN11]. **Compressibility** [ST21]. **Compressible** [BIS12]. **Compression** [BFG23, BB20, CKO+22, Spe98, YXY20]. **Computable** [GI96, Jia22a, Lie00, GI97]. **Computation** [ASVM04, AMMS08, ABM+17, AT98, ABF16, AMMV15, AMR+18, AABK19, BL13, Bar93b, Bar00a, BL94, BL00, BKS08, BNMX02, BNP22, Bez12, BN10, BL91, BR206, BHM07, CJL96a, CJL96b, CR16, CWY20, CDD00, DDV04, Dhi98, DD20, DD21, DJ00, Efi13, EVD22, FH10, GL17, GT08, GC19, HP09, Hey95, HIW15, HI15, Huat1, Ian09, IS08, KS17, KL18, LC16, LB96, Mal06, Mar91, MR97, Mel04, MG10, Ost10, PLM94, RDC93, SC05, SGX14, Sut12, WZ17, WZHH21, Zen16, Fuh88, GBCW89, O’L90, WW08]. **Computational** [DMP96, KBHI13, LPT10, Mei04]. **Computationally** [BN05, BMP20, TP22]. **Computations** [DP15, EKNX93, Gir94, GZ13, Hig93, JL23, Koe07, LNP93, LE02, Mat95a, Vog99, WY17, YB91, GS92]. **Compute** [BD98a, Cif21, GNP94, GO06, HMP94, LH22]. **Computed** [Gre97]. **Computers** [BMSV92, NY95]. **Computing** [ABL94, Ain17, AMH09, AMHL22, AH14, BO96, Bar02, BF11, BYDW18, BM19, BG19b, BHR10, BGN12, CI95a, CHZ16, CW96, DH03, DA05, DHW92, ES09, EW13, EM15, EHW10, FI18, FH18, FHL23, Fer97, FH20, GNS18, Gen98, GHWW90, GKK94, GSV00, GL13, GKL14, GOS15, Han03, HY01, Har05, HM20, HW98, HO98, HMMT04, HL21, JWN18, JKM11, JMM14, JS94, JN03, JCG14, KL98a, KM11, KM14, KV14, LW97, LP13, LV17, MV08, Mar11b, MOR04, MV17, MZ19, Mit20, Mit21, NBS10, NH12, NS11, NP20, NS94, PW90, QS06, QACT13, RI11, RK95, RST01, SljK+18, Sm03, SAGS21, VV10, Wat92b, WD95, WLV06, Xu05, Xue96, Zha17, Zh22, vdHvdV00]. **comrade** [NP16]. **Con** [HB12]. **Con-Eigenvalue** [HB12]. **Concave** [Fou18]. **Concavity** [Gro98, KN94]. **Concentration** [DGP96, KBHH13, LPT10, Mei04]. **Condensed** [Meh99]. **Condition** [AMH09, AW10, ABG07, ANT19, AW05, BDM10, BDM12, BG14, Bis90, BLP90, BD10, Bor10, BK19, BV18, BK06, CT93, CD05, CC09, CES22, DBW15, DMC13, Dhi98, Drm96, ES05, FH21, GI00, GK93, GKK94, Grc10, GV07, Har05, HH92, HH98, HR14, HQ16, KTK06, Kar10, KL89, KLR98, Kir02, KPM09, KW94, LX09, Li06, LS11, LW94, LP11, LT94b, Mat95b, Mor12, PP92, RVA05, SST06, SB92, gS00a, Tan94, TT14, Tur97, VT98, ZM17, Ede88]. **Conditional** [CK00, RR08]. **Conditioned** [AB19a, KRS19, MX98, NV02, PAP00, Zen19, FGS96, Rum91]. **Conditioning** [BG11, BDGY20, Bao00, DP10, DP00, GTP13, HMT06, HIW15, Mal03, Nal13, SS19, TCTM00]. **Conditions** [BDSC11, BM00, Cor93, DL15, ES11, GMBS12, JLS01, LS10, LN22, Mas16, 
Cone [BW95, NW98, SW91]. Cones [Pi94, VF00]. configured [JH88].

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

Cone
[BW95, NW98, SW91]. Cones [Pi94, VF00].

Conjecture
[BT10b, CH93c, Kan96, Ple00]. Continuity [de 90]. Continuous
[BET02, BZ00, CH94, WBP89]. Contour
[LXSdH20, YXC+17]. Contour-Integral
[YXC+17]. Contractibility [Ah998].

Contraction
[BRR00, CG15a]. Contractions
[AW00, CG98b, EAS98, GS10a, HS10, LGI21, LMPT20, LJW22, See11, VBW98].

Construct
[DGW92, JH92]. Constructing
[Chu95, DHST05, KU13, LP17]. Construction
[AG91b, CS10b, GZ15, LHC16, Ma98, Tur03, VF00, XHC21]. Constructive
[AR93, BLW15].

Containment
[BF89]. Continuation
[BT10b, CH93c, Kan96, Ple00]. Continuity [de 90]. Continuous
[BET02, BZ00, CH94, WBP89]. Contour
[LXSdH20, YXC+17]. Contour-Integral
[YXC+17]. Contractibility [Ah998].

Control
[BSZ20, BB12, BOS16, BGG18, BM06, DS16, GPM03, HL23, HS10, LS95, TFL11, Yan93, Cri88, DK88, Meh88]. Control-Constrained
[DS16]. Controllability
[Car94, EJK90, JMO93, Tsa98, Wim88b]. Controlled
[MM11]. Controlling
[FGM91, HN09]. Controls
[BF06].

Convenience
[AV91, BM00, BES98, BG06b, CFT16, Car18, CGLV11, CYA+18, DFT92, DQV22b, EG00, FAT16, GRT07, GTPTI14, GMN16, Hal20, HS10, JX20, KL08, LW20a, LH05, Saa06, SH23, Tre05, YBZC16, Zha10b, GS92]. Conjugate-Gradient
[CFT16].

Connection
[CG03a].

Connections
[FN04, MBN17, Sid95, SX11].

Conquer
[AA94, CK91, CKM22, FLM12, GE95a, GGbCC03, LGC+14, Sut13, XQ08, GE95b].

Consecutive
[DD99, EG00].

Conservation
[CG03a].

Consideration
[DF92]. Consistency
[CH89]. Consistent
[BL22, CCL21, CPTP09a, FST+13, LWYY14, Uhl18, YGM09].

Consistently
[Har93]. Constant
[BK19, GHL03, Mit20]. Constantly
[LW20a].

Constants
[BT10a, Cro16, Mit21].

Constrained
[ALP07, AE97, AEGL19, Aru92, BNN06a, BMO92, Bar98, BBTT06, BOS16, BKK07, CG10, CJ21, CH99, DS16, FM93a, FT07, GW92, Gu95, Jam92, KP08, LY03, Mar11a, PSH12, SQ07, SS13, SD10, WD00, ZHY16, FGS96, GL96].

Constraint
[Bai05, BNW09, Cao02, Dol07, KGW00, Log17, yPWjP12, ZH03]. Constraint-Style
[Dol07].

Constraints
[AW00, CG98b, EAS98, GS10a, HS10, LG12, LMP02, LW22, Sec11, VBW98].

Constructed
[AG19, Cap98].

Convergent

EVD22, Fri05, GMN18, GL17, GNS18, GI96, dMGF14, Gra10, GE95c, GOS15, GW92, HMP94, Hem95, HMNT04, HMT10, HIW15, HV97, HJP03, JS94, JN03, JW11, Kap90, KL92, KZ10, Kon00, LK22, LRA93, LF02b, LS17, Lin19, MV07b, Mat93c, Mat95b, MVV92, MHG17, NBG10, NH12, O’N05, OOvdD98, Ose10, PS94, PE95, PP05a, Pet21, QCBZ21, Rei91, Rob16, RS94, Sai16, SNT05, SS06, SK20, SDC 12, SD15b, SD19, Ste10a, Ste11a, Ste12, Ste93b, SV00.

Decomposition [Sut12, Sut13, Tol97, T˚um02, Van10, VD21, VKDD21, VNV14, WE94, WCW10, WCB22, XC20, Xu05, YB91, YL08, ZN21, Zha91, Zha93a, ZHQ16, vdSBvdV93, CS89, CG90, GI97, IM95, WE89].

Decompositions [BES05, BNP22, BG15, BvdMR +97, BL10, BV18, BMP20, CGCDM13, CD00, CHH15, CD13, CF02, De 08a, De 08b, DN08, DCM08, DV92a, De 94b, Dem99, Di 00, DE99, DD21, DIS15, DMM08, FB95, Fie96, GP06, GED22, HH21, HY01, Her90, Her96, KS22b, Kol01, LC16, LS07, MMD08, MV08, NY19, NY20, SCPW12, SØ91, SCBC21, SD15a, SDD15, SdA10, SL12, Ste16c, VD21, VKDD21, ZMK02, ZØ94, vdMR01, Gad88].

Deconvolution [MLV00, PO03, Yal00].

Decoupling [CH06, CMT09, DIS15, KN99, vdWM95].

Decreasing [Pan93].

Deduction [SCBG05].

Defective [Zen16].

Deficiency [Ste18].

Deficient [Cif21, EG15, Fos03, HS13, Men12, MH15].

Defined [IS11, Kar11a, PT18, Tam97].

Definite [ADGH18, AFPA07, BGN03, BW95, BJL98, BDR12, BD05, BS16, Cha00, CG98b, DHT01, EG00, FMFJ18, G100, GI00, Gnu06, GLV10, GHT10, HO94, HMT09, HP02, Hu92, JH02, Joh08, JSG15, KN91, LNTX11, LNTX13, LS11, Lin19, Lu98b, MV97, Mat92, Mat97b, Mel04, Moe05, Nie10, NY95, NV02, OR93, Pha01, Ple00, Reu02, SAGS21, VGY09, WZ91, Whi90, XG10, XHC21, Ye09, ZWF05, Zha17, Zha10b, AG88a, FM88].

Definiteness [CCL09, Roh94, XC18].

Definitions [De 08b].

Deflation [BBMX02].

Deflated [AGJ14, CGLV11, EEC11, GGLN13, Gut14, RN18].

Deflating [BBM92].

Degeneracy [CC92].

Degenerate [CGG91, DSSC11, Mat05].

Degree [ADD96, BS90, HM04b, Lie08, Mor94, Mur98, OV99, Che92].

Delay [AM23, DLMT13, MG10, MBN17, MZ19, Yan93, MJM11, MF20].

Decentralization [KMS15].

Demmel [DMC13].

Denominator [Nov11].

Dense [CGHR07, For03].

Density [BKS08, LW04].

Departure [Lee95, Lee96].

Dependent [BL22, BK15, CZBL18, GBMS12, MMW17, PSL12, SK16, SS17, SdA10, SL12].

Depending [DPP22].

Derivation [BLd93].

Derivative [AM90, AMH22, BMN92, CCH98, GL17, HL21, Kol09, KLX04, Noi17].

Derivative-Free [HL21].

Derivatives [ACL93, AT98, BE03, HL13, HR14, OW95, QACT13, SdA06, Sen06].

Derived [KC94].

Descent [KL08, Pan91].

Described [KLX07].

Description [De 18, FV98, Hla08, Krå19, Pop12, Ste16b].

Descriptions [SZK95].

Descriptor [BMN92, CT91, CH06, CFL07, CT08, KLX04, MMW18, MV21, Mm15, RE13].

Design [BIS12, DDN20, DK99, GL09, GMS92, Ka06, KB90, RD95, SNC02].

Designs [KMS01, KMS03, LP13, NW02].

Desingularization [KO18].

Detecting [GHT09, GHT10].

Determinant [BV92, Bem00, DD12, MS10].
[ASA04, BLdP97, BM01, CT88, FSV14, HKG09, JOvdD03, Reu02, VBW98, MP88]. **Determinantal** [LZ05b]. **Determinants** [FH93, IR08, Stu91, MV88, MOvdDW89]. **Determine** [LM18]. **Determines** [Par05]. **Deterministic** [BIS12, CNX22, Sha23]. **Development** [PGVR98]. DG [BGK +18].

**Diagonal** [ALN07, BV90, BES22, BOS16, Bor14, CDGS10, CNW08, Chu95, DHST05, DQV22a, DK99, DK01, GGV05, Gre92, HIS23, Har05, Hig97, KB93, KKSZ22, SCPW12, Tho94, Uhl18, Wal95, ZFW07, HD97, HRS88, MV88]. **Diagonal-Plus-Rank-One** [BESS22]. **Diagonal-Plus-Semiseparable** [Har05]. **Diagonalisation** [Bin90]. **Diagonalizable** [FJ06, LM06b]. **Diagonalization** [Afs08, BACM20, BGBM93, BMV20, CSX15, CL17, CS96a, DAv08, De 06, DK15, ELN22, Joh08, LN22, LUC18, MM11, MR22, Pha01]. **Diagonally** [BS96, Dan91]. **Diagonals** [HHC03]. **Dichotomy** [MS97]. **Difference** [BDE +20, Bor03, GKK99, GT99, LNT18, MT15, SCA12]. **Differenced** [VP93].

**Differences** [AMPV97, CP03b, CT93, SvdVM00, Zha00]. **Different** [YL16, Whi89]. **Differentiable** [ANT19, LS01]. **Differential** [AEG1, BGMR15, DLMT13, EK17, GHR21, Gre92, HHRV99, KM96, Moa05, PPL20, RE13, Zh12, JN89]. **Differential-Algebraic** [DLMT13, EK17, GHR21, KM96]. **Differentiating** [GTPT14]. **Diffusion** [BWQ06, BGK +18, BGSC07, ES18, Ern00, KNW20, ILNS17, MMN22, RP10, de 92]. **Digital** [SWYM96, DB88]. **Digraph** [Sev03]. **Digraphs** [AB16b, COP20, MOvdDW89]. **Dilations** [GCL16, MA99]. **Dimension** [BGK +18, HJP03, Ost10, Yse22].

**Dimensional** [BvdMR +97, CNX22, CHH +15, GV99, Gre99, HHLW13, JI92, JSL01, Kil99, LXSdH20, OST08, RHE14, Sch95b]. **Dimensionality** [NBS10, OST08]. **Dimensions** [WLD18, YL16]. **Diophantine** [BT92]. **Direct** [Bj14, CKL21, GK06, Hig93, Xia13]. **Directed** [DN11, Fit19, SS23]. **Direction** [GL10, HXY11, Par94]. **Direction-of-Arrival** [Par94]. **Direction-Preserving** [GL10]. **directional** [gWeWL12]. **Disc** [LZ05b]. **Discrepancy** [CS10b]. **Discrete** [ASA04, BF06, BF93, Bor03, BD95, CF02, CFL07, CZ03, Cor93, DL17a, DS18, For03, Guo98, HHLW13, JSL01, JOAKt10, KO05, KH13, KLS04, Kuz15, LF02a, LGs02, Lin11, Mas16, RT93, Sun04, TCTM00, Tur97, Van08, ZZS04, LP89, Meh88].

**Discrete-Time** [CFL07, Cor93, JOAKt10, KLS04, LF02a, LGs02, Mas16, Sun04, TCTM00, BF06]. **Discrete-Trigonometric-Transform** [KO05]. **Discretization** [BGK +18, DGMR00]. **Discretizations** [Bebo06, Ern00]. **Discretized** [CDGS10]. **Discriminant** [CGH11, PP05a, PP05b, ZLN10]. **Disjoint** [LG121]. **Disjunct** [CdS90]. **Disk** [Baz00]. **Disks** [LO20]. **Displacement** [BT17, BJMS17, BD95, CK91, CLG93, CS95, Di 00, KC94, KO05, Pan93, PW03, RD95, DS95, GKR99]. **Dissection** [BV90, BHL +93, BT02, CCB +20, GTW00, HR95, SV93, Ten97]. **Dissipation** [MMS16]. **Dissipative** [MMW18]. **Distance** [ABK +11, Bar00b, BS16, BLO04, Dem92, DL15, Fio11, GHHW90, Gu00, GMO +06, HW98, HS16, JSG15, KMS15, Lau00, LOvdD02, Men08, Men18, Mir21, Qi13, Rum97, BJ95, Pow88]. **distance-regular** [Pow88]. **Distances** [KNS97, LM06b, Lim13, PS22, Rum03a, Rum03b, YL16]. **Distinct**
Distributed [Far16]. Distributed [ADLK01, ADV05, IO16, KP92, Vog99].

Distribution [AW10, AW05, BF11, DQ02, DD10, DK08a, FFFH+19, GN03, Har99, HM20, Mey94, WA07, ZZTA02]. Distributions [BMfY03, Cap00, DMC13, DK08b, ES05, KS15, Lin12]. Disturbance [vdWM95].

Dive [BRE95]. Divide [CZ03]. Divide-and-Conquer [CK91, CKM22, GE95a, LGC+14, XQ08, GE95b]. Divide-and-Conquer [Kem95, OE95, OW88].

Domain [CM92a, CG92, Hem95, LS17, MS99, Par99, PGVR98, S299, SST05, TT99, Tr91]. Domain-Based [SZ99]. Domains [GLS12].

Dominance [CM92a, CG92, Hem95, LS17, MS99, Par99, PGVR98, S299, SST05, TT99, Tr91]. Dominant [AB19b, CGV03, CESC20, DDY14a, DDY14b, DDKMI18, For96, Li02, LZ05b, MT10, Mat09, NV94, RW08, SWYM96, ST14, Ye99]. Dominated [LG06, Mor22]. Doore [ADHM19]. Double [BFM03, BB18, HHLW13, JKM11].

Double-Curl [HHLW13]. Doubling [CCG+09, GM08, GL10, LwC113, LX06, MP12, gWc012]. Doubly [Fie95, GIT20, Tis03, YBZC16].

Downsizing [BPE94, CP98, EP94, EGK91, GE95c, LLZ09, LZ05a, PE95, Sun95a]. Duality [MH95, OW88].

Dulmage [AL98, IM95]. Dynamic [ADLK01, AP94, BRR00, LT97, OS09, OYV22, RBB90, Tan94]. Dynamical [BG19b, DSZ14, FL18, FL19, GAB08, HMP94, KL07, KL10, LRSV13].

E-optimal [NW02]. Early [BBM20b, KK07, Kre08, NAY12, SCMV21].

Easily [LQ16]. Eckart [VNM14, Ko03, Lin11]. Economic [BM18]. Edge [AB16]. Effect [CH93b, CYA+18, IW14, Kre08, Yse22].

Effective [BM99, BW99, COV17, Fit19, LRN06, Mar91, SS23, Tan99, XX17]. Effects [SdvVM00]. Efficient [AG19, Bar98, BNP22, BDG20, BMSV92, BN05, BMP20, CGS98, CGGS99, Cha00, CH07, DW06, Day97, DK05, EMC17, FGS14b, GL03, GNP94, GE94, Gu98c, GOS15, KS22a, KNW20, LHC16, LGWX12, MSKC21, RG05, RDC93, SY00, SX11, TV09, TETA05, XHC21, YGL18].

Efficiently [EM15]. Ehrlich [BG05]. Eidson [HN90]. Eigencurves [Uhl20]. Eigendecomposition [HHLW13].

Eigendecompositions [AB05, DK06]. Eigen-pair [WZ17]. Eigenvectors [CE94, Eff13, FP20, JWN18, KM11, KM14, SAGS21, HL06]. Eigenvector [Men99]. Eigenproblem [Bai05, BJ16, CD15, DMM03, GE94, GE95b].

Eigenpolynomials [AGP19, AA19, Auc91, GLS94, GL05, Gui99, HLT08, Jia95, SK16, Ste01, Ste02, Tes15a, ZS07]. Eigensolver [BDG15, BC22, HHLW13, TP14, XCC14, YXC+17]. Eigensolvers [KN09, NZ16, Tis01b]. Eigenspace [EVD22, L989b, NS94, XK94].

Eigenvalues [AZ02, DQV12b, Mim00, NK01, TDS15]. Eigenvalues [N09, NN16, Tis01b]. Eigensystem [Mat95a, MSKC21]. Eigensystems [LS07]. Eigenvalue [AA94, Ano11, AM23, AHS00, AB19a, AD98, AL95, BDY99, BS05, BL12, BL13, BL22, BR19, Bar93a, BESS22, BF00, BFM20, BM06, Bet09, BT10b, BB98, BH13, BD90, BT05b, BEGG07, BBGF00, Bol90].
Bor10, BKMS14, BKMS15, BEGM05, BGBM92, BW93, CZBL18, Cha00, CPZ11, CKL04, CG06, CKP11, DBW15, DW06, DG91c, DD10, DLM04, DW15, DD14, DYY16, DK08a, Eff13, EGGR99, EW13, Emb09, FGL21, FFH¹¹, Fri92, GHW99, GITT96, GT17, GA18, GKL18, GK06, GT02, GR93, Gru06, GKL97, GL10, GZ13, HB12, HH98, HP02, HKP05, HMP19, HGL05, HLQ09, Ips06, Ips09, IM16, JKM11, JMM14, Ji92, Jia22a, JS04, JLS01, KMMM18, KKT06, Kar10, KKM14, Kau93, Kau06, KKSZ22, Kir92, Kni04, KLV18, KW92, KXL07, LZ14, LX09, LC15a, LVV16].

Eigenvalue
[Li98a, LNTX11, LNTX13, LM03, LKK97, LE02, MV97, Mac95, MMMM06a, MV17, Mat08, Mee09, Mel04, MBN17, Mei14, MHH94, Mor21, NOZ11, NQZ10, Ors06, PM06, Ple00, Ple06, QACT13, QCT17, RJ21, RSM09, RW01, Saa16, Sec11, SCBG05, SHY10, Sid95, SvdV96, SY98, SW94, SB11, Tis01a, TH01, Tis03, Tro90, VMM15, VGV09, Voo12, VYH11, WZ95, WE91, Wat93, WE94, WS00, fX96, Xue96, XE12, YGM09, YBZC16, ZS14, Zen16, ZZ98a, ZWF05, Zha10a, ZXL14, ZSYJ18, ZYSY20, ZBT21, All89, GIMT95, Ove88, San88, Tre88a, Tre89].

Eigenvalue-Based [ZYSY20].

Eigenvalues [AS93, AAB10, ACL93, AT98, Axe92, BNS06, BS06, BGH07, BS16, Ca09, CFJKS13, CHZ16, Chu95, wC03, CZ03, CGS94, CDN14, CW96, DGMR00, DPP13, DH97, DK08b, Ede88, EF98, Elm97, EW13, EM15, FL02, Far16, Fer98, FG94, GN03, GM00, GU98, HO94, Har99, HDR10, HN22, HC15, Hua21, HL02, IN09, JH02, KKM14, Koe05, KMP09, Kw4, Kui00, LNV92, LGC08, LPS08, LY91, Mal06, MR97, MS10, MV21, Mel09, Mel04, MYK14, MBN17, Mei14, MOB07, Nab00, Nan98, NQB14, NS09, NST15, OW92, OW95, Pen01, Pei05, Pes14, QACT13, QCT15, QCT16, RS96, Ra09, Ra11, RVA05, RI11, Rob93, RST18, Rum22, SJ09, SM16, SMM20, Ste91b, Tru06, Uhl20, Wal03, Wat00, Wal08, Ye09, Zha05, vDHvdV00, Auc89, HM89, Sun89].

Eigenvector [BL22, CZBL18, CMU22, De97, EGGR99, Fer97, GR93, Gru06, Har98, JS04, Lat95b, Lu20, Mat97a, Men99, PDF16, Stu89].

Eigenvector-Dependent [BL22, CZBL18].

Eigenvector-Eigenvalue [EGGR99].

Eigenvectors [AMS07, ACL93, AT98, BG19b, BdTD11, DP04, JK95b, Kuz15, Mor95, MRU22, Pes14, Pow88, QACT13, QCT15, Rum22, PSL90].

Either [It96, ZvSD20].

Elasticity [KNOX02, KNX04, CS89].

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

Elementary [BTVO3, DB20, JOvdD01, JOvdD04].

Elements [BW95, FSZ14, Tam98].

Elementwise [ABN09].

Elimination [BZ98, BDD13, BS90, CH99, DGL99, EL05, EL08, Fos94, Gar09, GF93, GT04, GL93, GG03, Gou91, Gov91a, GGC09, HP09, Hig90a, KU13, Li09, QXX14, TS90, YC97, HH89].

Ellipses [EW20].

Ellipsoid [CG10, SCPW12].

Ellipsoid-Constrained [CG10].

Ellipsoids [DN11].

Elliptic [ACST09, Be06, CDGS10, GKL18, Gre92, GV99, Gre99, HHRV99, HL23, MS97, PS04, KCT90].

Elliptical [LT89].

Elman [BGT05a].

Embedded [Bry17].

Embedding [QCCT17, BV88].

Embeddings [BKW22, BGH07, GM00, INRZ21].

Empirical [DS18].

EMS [Lat95a].

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Entanglement [NQB14].

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Har99, Zha05, JOvdD89. **Entropy** [BW95, Le 96]. **Entrywise** [TVW15]. **Envelope** [GP97]. **Environment** [DG91b, DG91c]. **EP** [MR18]. **Episodic** [HN97]. **Epsilon** [SS91, Yan20, Z94]. **Epsilon-Alternating** [Yan20]. **Equality** [CH99, FM93a, GS10a, HS88, LG12, LJW22, So92, ZH03, Zha04]. **Equality-Constrained** [FM93a]. **Ergodicity** [AG00, Ger92, IS11]. **Erratum** [Ano11, CH93a, CRS01, EDK16, HC89b, JOvdD04, LNTX13, PU14]. **Error** [Ani00, AB01, AMR18, Bar93a, Bar93b, BEBT07, Bor10, BCW12, CP03a, CH93b, CL09, CGMM22, CYA18, DH93, DMR09, DMM08, EGTP17, EMC17, EOS19a, EOS19c, EOS19b, FKL13, Gow96, GJTP12, Gu95, H08, Hal20, Hig90a, HH92, HH98, HLTO8, IZ20, JP10, KA10, KMN11, LW02a, LC15a, LV16, LEMCD19, LMC22, LPT10, MM11, Mas16, MO20, PP05b, RB90, RJ14, Rum22, Ste05, Ste06, g500a, Urs21, Van10, Var94, WY17, ZZS02, ZK17, ADD89, CM89, CM92b, Tsa94, VV89]. **Error-Controlled** [MM11]. **Errors** [AA09, BKMS14, BKMS15, CGGS99, CGSS01, DM04, MV21, RMM09, gS98a, Tis03, VX07]. **Errors-in-Variables** [CGGS99, CGSS01]. **ESPRIT** [AC18, Par94]. **Essentially** [SGX14]. **Estimate** [BGT05a, CP03a, CH93b, GJTP12, KMN11]. **Estimates** [AL95, BKK07, Bol90, DMR09, FKL13, Gru06, GKL95, GKL97, Kni04, L02a, Lat95a, SHY10, Urs21, Var94, Zul11, KL89]. **Evaluating** [GTJ13, Hig01, MP88]. **Evaluation** [WLMD19, BN88]. **Even** [BFS21, Mel01, Mel04, Yse22, BFS21]. **Even-IRA** [BFS21]. **Even-Mode** [LF02b]. **Even-Odd** [Mel01]. **Events** [EHW10].
BIS12, BES15, BBD+16, BOCL97, BBTK08, BL94, BEG+09, BEGG07, BJP08, BK95, CNX22, CS98, CG03b, CDG+05, CGP06, CDG+07, CRY+21, Di 09, DV08c, DV08d, FKG+22, GIG22, GR17a, GS03, Gn98b, GMO+06, GO11, GGO13, H12, HP09, HR00, HR04, HG14, HLQ09, HHWL13, JNP21, JMPR19, KKSZ22, KS17, KL18, LX09, Law13, LHC16, LW20b, Lu94, Lu95, Mar11b, MLV00, MTV10, Mit21, Miy14, Mön11, Mor22, NRT92a, NP02, OST09, PK93, PK94, PP92, PPLG20, Rei91, Rod06, STvDD17, SCBC21, SB03, Ten97, UCS17, VS14, VP93, XXC14, XXCB15, XK94, XE12, YXC+17, ZFW07, ZLN10, ZZ98b]. Faster [AB13, ACW17, BJMS17, Nec19, Not05].

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Fat [HHC03].

Fault [BBGL92].

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Filtered [BK08, Sa906].

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Finite-Dimensional [BvdmR+97].

Finite-Element [ACST09, ST08].

Finite-Precision [PP11].

Finite-state [BHKR11].

Finiteley [GI96, GI07].

Finiteness [BT03].

First [DA05, DIS15, Kn95, KN99, Lu10, SM16, SMM20, WZZ22, dBG08].

First-Order [DIS15, Kn95, Lu10, WZZ22, dBG08].

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Fisher [BV07, LH05, V07].

Fitting [EG91, SCPW12, Wat01, GBCW89].

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Five-Point [TS99].

Fixed [AGQS22, BS10, DH22, DDO8, DDR20, Ha22, HNT99, MA20, SSR20, YGL18, Zal91].

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Fixed-Point [DH22, SSR20].

Fixed-Precision [YGL18].

Fixed-Rank [MA20].

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FLOPs [LN14].

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Focused [BBM02a].

Foley [ZLN10].

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formal [Tre88b].

Format [ABM21, DK13, EDK16, Krı19, LC15b].

Formats [MK20].

Forms [Ain17, BD93, Cao09, COV17, EM00, GG02, GI TT96, KMP01, LS11, Mai99, Meh99, NTT18, Nie10, RODS15, SZK95, TMV18, Tu91, Zha10b, LT89].

Formula [AG91a, B99, CFF98, MBN17, Nof17, ST01, Tro90, ZZLY02].

Formulae [Ste91a].

Formulas [Sch95b, Wei11].

Formation [CFG97, DS18, PS04, RPG96, VZ91].

Formulations [FH17].

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[PL93, Wat95]. **Found** [Kui00]. **Four** [BZ00]. **Four-Coefficient** [BZ00]. **Fourier** [BIS12, BDGY20, CM03, DL17a, He21, HHC03, HK12, Kuz15, Pul13]. **Fraction** [BL00]. **Fraction-Free** [BL00]. **Fractional** [BBTT06, HL11, HL13, IM13, KNW20, ILSN17, PPLG20]. **Framelet** [HM04a]. **Frames** [BD22]. **Framework** [ABMV20, CSEP21, GGLN13, Gut94, He21, HPZ23, Jia22b, KBHH13, RY97, VKD22, XZ22]. **Fréchet** [AMH09, AMHL22, GL17, HR14, KL98a, Nof17]. **Free** [BL00, EMC17, HL21, LEMCD19, LMC22, RY97]. **Frequency** [BB20, PGVR98, SES95, LXSdH20, MP88]. **Frobenius** [CK20, DG19, GTH19a, GTH19b, GGMO17, HNT99, NNF14, YY10, YY11]. **Frobenius-Norm** [GGMO17]. **Full** [BD10, DO07, Grc10, TP22]. **Fully** [BD10, DO07, Grc10, TP22]. **Fulton** [Zha95]. **Function** [AH14, BD08a, Bar94, BHM97, CGMM22, CS10b, FHL15, FN04, FP16, Gro96, Gro98, Han03, KL91, KL92, Le19, Lie89, LW15, LW94, No17, WLD18, OW88]. **Function-GA** [Le19]. **Functional** [BKS08, Le96, LWWY14, Mei04]. **functionals** [Per88]. **Functions** [ALAK94, AB16a, AB18, ACL93, AH16, ABF16, AD21, Auj00, AABK19, AHI01, BIS12, BKS18, BS15, BV00, BH08, BD05, BZ00, Ch94, CCM22, DO03, DMS09, DMS12, DMR09, DK98, EGG11, FKL13, FGS14a, FG14b, FLS17, FLS20, FSS21, GT13, G14, GMR500, GS21, HK08, HMMTO5, HR14, HLT1, JNZ99, KB03, KO15, Kra95, KHI3, LMZ03, Le19, LS01, MR22, MNT10, Mat93a, Mat95b, Mat96, MK14, MS18, PP05a, PT18, VQ04, 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** [Le19]. **Galerkin** [PU14, CG96, EU10, PU10]. **Galtung** [HM20]. **Game** [MOC91, Tro00]. **Games** [Mar91, RE13]. **Gap** [BD09, DH19]. **Gaps** [DP04, HSC04]. **Gauss** [CRY+21, FMRR13, Kau92, MNR15, PTC13, SB03]. **Gaussian** [AW10, AW05, BT10a, BZ98, BS90, CD05, DGL99, Fos94, FM93b, Gar91, Gov91b, GGC09, HH89, Hig90a, Le19, LF02a, SCBC21, TS90, WA07, Wan15, Xu15, YC97]. **GCDs** [BL00]. **GCR** [JRG09]. **Gene** [Mol92]. **General** [AC18, BACM20, CS15, CL17, Cao08, CK00, DS19, Ge91, GIKT95, GSV00, JOAK10, Lu10, MS02, MS01, NY95, SZ99, SWZ11, TT99, XX17, Zha04, ZXS21, CLS88, DY90]. **Generalization** [Ben09, EM10, Fay95, HPS15, JD03, VW12, Zhe96, Zhe98]. **Generalizations** [DV92a, LM98b, Tis93]. **Generalized** [ASA04, AGP19, AB18, Ari13, ABF16, AG00, AABK19, AV91, BD22, Ben99, BNP22, BG04, BG15, BMS06, Bet09, BB98, BD05, BD90, BJMS17, BEMG05, BDID11, BJ16, CGLV11, CS96b, Cha00, Che98, CL09, CFG97, CG98b, CG06, CFW07, CHZ03, CLC93, CHMW20, CS96c, CHLS00, CDH12, DB15, DHT01, DDV04, De94b, DK05, DHST05, DW15, Djo08, DG19, DD14, EW13, Fie95, FF99, FH93, Fri05, FT07, GS94, GL94, GOS15, HL08, He21, HH98, HMT10, HPS15, HMP19, HJP03, Hua21, IM16, Jia95, JN21, JC22b, Kaf94, KC94, Kau93, KN98, KM14, KH13, KM96, LP98, Law13, LG08, LM98a, Li93, Li02, LNTX11, LNTX13, Lu95, Lu98a, M94, M90, M91, M92, M93, M94, M95, M96, M97, Mor22, ND06, No17, PAP00, PP05a, PP05b, Sen06, SHS03, SV00, Sun95b, SW08, s00a]. **Generalized** [TY02, Tis01a, Uh18, VGV09, WE94, Xu15, XPL+18, XNB22, XE12, ZMK02, ZHZ05,
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Generators [Pil94].

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Give [Nie10].

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Golden [Lim07].

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Integrators [GG14, Nov11]. Interaction [GBCW89].
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Intervals [HS90, Pem05, SHJ09]. Introduction [MG92, NP99]. Invariance [DDL14, Lew96]. Invariant [ASVM04, AKPP08, BD98a, BER04, BKS08, BT10b, BHM97, BK06, DS20a, DWH92, DLT15, DLM10, FMM02, GS03, GP16, HM90, KK14, Kre05, Mly14, PML94, QZL05, RR08, Rod05, SS19, Sai19, VF00, VJ07, WLB05, Zab89, Zha99, dSV01, LT89].
Invariants [ARJSR13]. Inverse [AH16, AHS00, Bai05, Beb06, BMS06, BS02a, BW93, CC98, CCRV08, Che01a, CLN20, CG98a, CK04, CC17, CHMW20, DB15, DMS09, DMS12, DMS13, DL04, EW13, F118, FF99, FSZ14, FMF18, Fri92, FHS94, G02, G13, GT96, Gov91b, GT11, Gre05, GHL03, GH06, HLW05, JS07, KM16, Kau92, KK12, KNW20, KOSvD07, Kir95, KNS97, KN98, Kn04, KN91, KLO07, Lan07, LZ14, LGL16, LM03, Lu10, MMS94, MSZ03, MH13a, MS10, Meu92, NV94, Nab99, Ogi10, Ors06, PDF16, Pat00, RSS09, RW01, ST01, SW98, Tan99, TW00, Uhl18, Vec03, wVjBqJ11, Wan98b, Wei96, WLB05, x96, XSW10, YBZC16, ZWF05, vD99, FM88, KY93]. Inverses [BMF05, BM02, BS02b, CLG93, Djo08, DG19, ES08, Eti92, HH93, HR00, JC22b, KM96, MNST96, SHS03, LP97]. Inversion [AK20, AK21, AH01, BLNT13, BC10, CM93, GR17b, HH94, PK93, PK94, PW03, RS92, Ste91a, XCC015, ZZ98b, CQL96a, DV06a]. Invert [AM23, FS10, HL06]. Invertible [WCW10]. Inverting [FPC16]. Involutary [IZ04]. Involving [Ain17, AG91a, FF94, SD12, ZZ98b, Zha95].
Ion [BBM21]. IRA [BF22]. Irreducible [Art95, FJ00, FG94, GR93, Kir95, LGL16].
Irregular [GLS12, RW94]. Isometric [FNV08, HK05]. Isometries [BvdMR+].
Isometry [BT10]. Isotropic [Kre05, MS18]. Isotypic [MOR04]. Issue [DCM08, Ipo06, Ipo09]. Issues [Airi00, Mei10, Més08, SV97]. Iteration [AGQS22, BLD22, Ben09, BMS06, BX08, Dan91, ESR01, EW13, Emb09, KZ10, KO14, LS96, Le01, LWWY14, LGL16, Lu05, MOR04, MOR16, MS10, MP11, MH13b, MH15, NGB10, Not03, Not09, RSO9, RS08, Saa16, Sai19, Svd96, SY08, SX11, TP14, XE10, YGM09, YLA97, ZHY16, de 92, AdHN88, BF97, Lag91, San88]. Iterations [ASVM04, AV91, BKS08, Bor09, BPS05, CKL1, CNP94, GV10, Gav19, HMM05, HN09, Ivan01, KSG10, NS07, NRT92a, NH12, NOZ11, SSS17, ZZS04]. Iterative [AH07, ADR92, AG00, BN06a, BB18, BN06b, BGSC07, BV01, CGRV20, CR96, Cao00a, Cao08, CE02, CPT09b, CG96, DHT01, DGSW06, ET01, EOS19, ENS19b, EL91, FS10, FNS08, GLS12, GL17, GR15, GV09, GR17, GL00b, Guo01a, Gu07b, HNRS22, HRRV99, HLT12, Han94, HO92, HV05, HZ01, Jan92, JC22b, KKS22, KRL1, KS99, KO01, LHH95, LWWZ06, Li02, MNR18, MG92, MS02, MR97, MO20, MO23, NP02, NY95, Not19, OL99, PAP00, Pan91, PJM21, RW92, SWZ11, Tis01a, Wei95].
Woź93, XE10, dKV10, AdHN88, BY88. iteratively [Ol’90].

J [Ano11, CH93a, GI97, HC89b, WW08, Zha95, Ikr97]. Jacobi [CS96a, DV92b, Dem23, Drm96, DV92c, DV92d, Drm10, DK98b, Hac93, Har97, HM99, HP92b, HKP05, HN09, IAV13, KHH04, Kni04, LUC18, LR05, Mac95, MV08, Mas94, Mas95, Mat09, Mat95a, Meh04, Meh08, Not05, Non96, OYBV19, OYV22, SS89, SvdV96, Sta02, SX11, fX96].

Jacobi-like [Meh04].

Jacobi-Type [LUC18, MV08].

Jacobians [HKG09].

Johnson [BKW22].

Join [BV18].

Joint [Afs08, BN05, BN10, BAMC20, CSX15, CL17, DF20, JL23,乔08, JCG14, LP00, Pha01, PJ01, WA07]. Jordan [WW08, BFZ07, MM08, MV17, MBO97, MD03, SC05, Ste13, Wel11].

Kaczmarz [MNR15, MM23, Nec19, Sha23, Ste21, ZF13].

Kahan [Zhe98, Ari13, HPS15, Zhe96].

Kähler [Zha97].

Karcher [Zha17].

Karlson [GJTP12].

Karmarkar [MT89].

Kaufman [DT11, JP93].

Kawasaki [FP17].

Kemeny [BK19].

Kerdock [FGK22].

Kernels [AC17, ACW17, BW06, BU21, CXN22, MT10, PP05a, SCBC21, SB95, WLMD19, XC20].

Kernels [WLD18].

Kinematic [GKK99].

Kinematics [D17, KKT [FJ97, IKSG10].

Knapp [FHS09].

Knopp [Kni08].

Known [AD02, CHMW20].

Kohn [LWW14].

Kolmogorov [FMSS21].

Kreiss [Mit20, Mit21, TT99].

Kron [SS23].

Kronecker [BT13, HC89b, Zha95, BKW22, Bar98, Bea01, BS15, BT12, DD07, DD08, EK96, FF94, FG00, GP98, GMN18, Gre05, HL17, HC89a, IT11, KN00, MV07a, NNP04, RHE14, SB03, de 90].

Krupnik [Ikr97].

Krylov [Ste02, BER04, BG15, BR05, BF05, CFT16, DMR09, DIKM18, DK98, DSZ14, ESS+12, EN08, Ern00, FGS14a, FLS20, GGLN13, GMN20, GL21, GG14, GOR14, GT11, GP01, GMN16, GS00b, Gut14, GS21, HPZ23, HS95a, JK97, KO15, KJ16, KT10b, KT11, LM98a, LY03, MJ11, MH13b, NS02, Saa97, SS13, Sid95, Sim00, Sim16, SvdVM00, SSR20, Ste01, VMM15, WY17, ZHI7, vdES04].

Krylov-Based [MJ11].

Krylov-Subspace [CFT16].

Kublanovskaya [GKR90].

Ky [FHLS13, LM98b].

Lagrange [AT07, Law13, LC15a, Nie10].

Lagrangian [AW00, FMX02, GSCS15, LW97, MP12, RR08].

Lambert [FH115].

Lanczos [AIM22, BDY99, BK08, BES98, BBGL92, CD15, CMM22, C202, Day97, FKL13, FLSS17, GVK20, GS92, GLS94, Gut92, Gut94, GR00, HL06, Huh02, Jia95, JN03, JLSZ22, Jou92, KW92, KW94, Kui00, MOR04, MB01, Pia01, Pia19, SDJL+18, UCS17, Ur02, WS00, Wul05, X94, ZSY18, vDHvdV00].

Lanczos-Based [CMM22].

Lanczos-Type [AIM22, GR00].

Landscape [C202, Langemeyer [SH91a], Langville [IK06], Laplace [KK12, RN18].

Laplacian [BSS13, Gre92, GHN18, GS00, GM00, HO15, KNS97, KA07, LY91, PV17, STvdD17, TS99].

Laplacians [CL99].

Large [ABM+17, BMfY03, BSFM10, BYDW18, BKS08, BHM00, BKGS99, BrD07, DK99, DOK1, ES92, EW13, FI18, FF94, FM93a, GIG22, GH07a, GAB08, GL03, HXY11, HH99, HHP21, HP92b, IO16, JK95a, Jia95, JL23, KMM18, LC15b, LC16, LS06, LwCKL13, LKKK97, MS10, Men18, MZ19, NY95, OS09, PR12, Ren02, SS13, Sim16, SK16, SY98, SCA12, Ste01, Ste02, WZ17, WS00, WZZH21, XG10, Zha95, ZSY18, ZS07, HC89a, HC89b].

Large-Scale [ABM+17, BYDW18, ES92, FI18, FM93a, GAB08, HXY11, KMM18, LC15b,
Lw, CKL13, MS10, Men18, OS09, PR12, SS13,
Sim16, SK16, WZ17, ZSYJ18, MZ19, HC89a,
HC89b]. \textbf{Largest} [Ano11, CPZ11, DDS17,
GR93, JN91, KW92, NQZ10, OW92].
\textbf{Latent} [Elt92, VS14, ZZ99]. \textbf{Latouche}
[Guo02]. \textbf{Lattice} [LK95]. \textbf{Lattices}
[PAH17]. \textbf{Laurent} [HM04a, Tre88b]. \textbf{Law}
[BZ07, CG03a, Djo08, BHKR11]. \textbf{Layer}
[MMN22]. \textbf{Layered} [BKKL91, KT10a].
\textbf{LCM} [Wan98a]. \textbf{LCP} [Mor94]. \textbf{LDL}
[XXC14]. \textbf{LDU} [DDY14a]. \textbf{Leading}
[EG15, GS10b, JV04]. \textbf{Learning}
[MM23, PSS19, Yan98]. \textbf{Least}
[ABG07, Aru92, ANT09, BG11, Bar98,
BBT05, BBTT06, BBTK08, BE10, BST16,
Ben99, BN06b, BPE94, BES98, BHM00,
Bjo14, BV01, BHP03, BX05, BV95,
CGCDM13, CNP94, CGS98, CPTP09b,
CP09b, CG10, CH3b, CLL20, CJ21, Chu91,
CG98b, CSE05, CK91, CHMW20, CC92,
CH99, DN08, DHZ03, EL97, EP94, ESO19c,
EOS19b, FF94, FB94, For96, FS01, GS10a,
GH099, GJTP12, GTP13, Grc10, Gu98a,
Gu98b, GW92, Gu95, HG18, HY110,
HXY11, HPS*11, HG14, HM97, HV97,
IW14, INRZ21, Jam92, KS92, KLR98, KP08,
KT10a, LY03, LS06, LW06a, LJW22, LPT10,
Mal04, Mal03, MVP05, MAR11, MLV00,
MH13b, MH15, PRS06, PO03, Re91, RG05,
Rod06, RPG96, RPG98, Run12, Sha95,
SC03, ST17, TETA05, Usc12, VZ91, Van92,
WC14, WCY15, Wei92, WD00, XXCB14].
\textbf{Least}
[Yan20, ZH03, ZHY16, ZMW17, ZZY92,
ZF13, O’L90, Qia88, VV98, VV89, Zha95].
\textbf{Least-Index} [CC92]. \textbf{Least-Norm}
[EOS19b]. \textbf{Least-Squares}
[ANT09, BG11, Ben99, BX05, CGS98, CK91,
EL97, ESO19c, For96, FS01, HG18, HM97,
LS06, Mal04, Rod06]. \textbf{Lee} [Ikr97]. \textbf{Left}
[AD21]. \textbf{Left-Looking} [LEMCD19]. \textbf{Legendre}
[Zha10b]. \textbf{Lemma} [LJS19]. \textbf{Lemmas}
[De 08a]. \textbf{Length} [AKP08, JN93]. \textbf{lengths}
[Gri88]. \textbf{Leslie} [Kir92, KN94]. \textbf{Less}
[HM04b, OP05]. \textbf{Letters} [JH02]. \textbf{Level}
[Bor09, BMM02a, DQ02, DK13, EK16,
HR14, Not16, TMN10, WT11, LSB16,
Sou19]. \textbf{Level-} [HR14]. \textbf{Level-Geometric}
[DQ02]. \textbf{Leverage}
[HIW15, Hoo17, LK22, SG21]. \textbf{Leverage-Based}
[LLK22]. \textbf{Leverrier}
[Bar89]. \textbf{Levinson}
[CH93a, BLAK91, CH92, FL10, Mel01].
\textbf{Liapunov} [KB93]. \textbf{Lidskii} [Lev99, MBO97].
\textbf{Lie} [BW93, KHH04, MMT08, Tam99].
\textbf{Lifted} [JCG14]. \textbf{Like} [AG92, CT99, FL10,
FL00a, KRS19, ILNS17, MSZ03, May12,
Rod06, RDS05, ZZ504, ZZ98b]. \textbf{LIM}
[MI95, Hig90b, JL98, Kil99, Lu96, Mei04,
Re91, SK95, VP99, XJ11, XU05]. \textbf{Likelihood}
[BE10, PPA97]. \textbf{Limit} [BU21, Ste13].
\textbf{Limitations} [ABM21]. \textbf{Limited}
[EM15, GS21, Sal88]. \textbf{Limited-Memory}
[EM15, GS21]. \textbf{Limiting}
[BK15, DD10, DK08a]. \textbf{Lindenstrauss}
[BKW22]. \textbf{Line} [HHRV99, HK01, RCH08].
\textbf{Linear} [AGP19, AIM22, ADC04, ABG07,
Art96, AGL98, ANT09, BGG05, 
BL12, BL13, BDH07, BF90, BSFM10,
BEBT07, BF06, BGT14, BE98, Ble21,
Bom00, BM06, Bor03, BT92, BAC02,
BF05, BCW12, CT91, CP03a, Ca08, Cap98,
CP03b, CE02, CI95b, CS98, CGS98, CG30b,
CGS*08, CPTP09b, CH93c, CFI17, CR93,
CG11, CC92, CHLS00, CG96, DGM100,
DH22, DK05, DTVL05, DD10, Dhi98,
DS16, DS95, DLM13, ENV92, EHP04,
EGTP17, ES12, ES92, EG00, ESO19c, EL91,
FXG18, FM93a, For96, FS01, FHS13, FL99,
FN08, FKL13, FKG*22, Gar90, GL03,
GHR21, GI01, GJX22, GKT96, GKK99,
GRD17, Gow90, GSR94, GS02, GR15,
GMM21, GTI11, GTTP12, Grc10, GCL16,
GV09, Gu98a, Gu98b, Gu98c, GAB08,
GHL03, GHR95, GW92, Gu95]. \textbf{Linear}
[HNRS22, HLT12, HL98, Han94, Har05,
HH92, HPS13, HGT911, HLM94, HJ89,
JC22a, JT98, Jou92, Kan96, Kar11a, KGW00, KL98, KC09, KS08, KO14, KJH16, KT10b, KT11, KLX04, LW02a, LWX06, ILNS17, LNT18, LJW22, Loe90, LEMCD19, LMC22, Lu94, Lu95, LT94b, MNR18, Mal03, MP95a, MG92, MV07b, Mat92, MR97, Mee03, MB10, MM16, MMW18, MV21, Men12, Mim15, MN07, MO20, Mor21, MPS98, MPS00, NV94, NRT92b, Naj98, Neu00, NY95, Not19, OST08, PS05, PYHK93, PP05b, PJM21, PR98, Pop12, Pop15, PS22, QL99, RT93, RT92, RK95, Roh03, Rum11, STvDD17, Sch05, SˇS91, Sha23, SWZ11, SA22, SH23, Svdv96, SvdVM00, ST14, Ste10a, Sj92, Tig91, TV09, TETA05, VBW98, Ven93, Wei95, Wim88b, Wri95, XCGL10].

Linear [XXG12, ZvSD20, Zen19, ZHZ05, ZXL14, ZXS21, vdES04, All89, ADD89, Ash91, BDV89, Cri88, MT89, Pan91, Qia88, WBP89, Wim88a].

Linear-algebraic [CRR93].

Linear-Time [Bom00, DD12].

Linearizable [CJMU22].

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

Linearizations [AB16a, ADMZ18, BD1D11, BDF17, DDM10, DQV22b, HMT06, HMHT07, LP17, MMMM06a, MMMM06b, NNT17, RNV17].

Linearized [HKBM08].

Linearly [CH07, GR17b, GBMS12, SDa10, SL12].

Lines [LF02b].

Link [De 06].

Liouville [Ma06].

Lipschitz [BD22, BLO07].

Lipschitzian [MNT99].

List [Ano97].

LNQ [EOS19b].

Loadings [GBMS12, SDa10, SL12].

Local [ALN07, Art03, CYA18, FGM91, FP16, GS03, He21, Usch12, WZL21, Gad88, Sun89].

Locality [To197].

Localization [BF89, BH13, BMBM21, CE12, CKP11, Pen01].

Localized [SS19].

Locally [AG19, Cap00].

Locating [BP21, BNS13, DPP22].

Location [GVK20, Lin03].

Locations [BB98].

Log [DGIM15].

Log-Det [DGIM15].

Logarithm [CR16, CHKL01, DP00, FH18, Hig01, KL98a, Zim17, ZH22].

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

Logarithms [DM96].

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

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

Looking [LEMCD19].

Loop [Bér09, Gue98, CLL20].

Loop-Based [Bér09].

Lorentz [AYLR04, ZSYJ18].

Loss [BP92].

Lossless [RD95].

Low [ADGH18, AG88b, ABM21, Asw16, BL21, BR19, BYDW18, BKS18, BDG20, CCB+20, CWY20, CS09, COV14, CP03c, CDLP05, CK20, CKMM22, Dax08, DD07, DD16, DI19, DWY20, DL17b, ES18, ED22, FHL23, FMSS21, Fou18, GMN20, GG11, GQ14, GC19, GL13, H22, HM20, IAVD11, IAV13, IUM14, JMRP19, JKN11, KK12, KB90, KL07, Ko03, KK17, KT11, LK22, LC16, LW02b, LS17, Lie08, MU13, MK20, MD03, NS11, Nic17, OSS14, PTC13, SCPW12, SS10, SC10, SDN21, Ste08, Ste13, STT17, Tas15a, TYUC17, VV10, VV11, WC15, WCCL16, XLS16, Yan20, XYY20, YGL18, ZZ99, ZZS02, ZZS04, ZXS21, dSL08, dTDM08, vdV96].

Low-Nonnegative-Rank [DWWY20].

Low-Order [KB90].

Low-Rank [ADGH18, ABM21, Asw16, BL21, BYDW18, BKS18, CCB+20, COV14, CDLP05, CK20, CKM22, Dax08, DD07, DI19, DL17b, ES18, ED22, FHL23, Fou18, GMN20, GG11, GQ14, GC19, GL13, Ha22, HM20, IAVD11, IAV13, IUM14, JMRP19, JKN11, KK12, KB90, KL07, Ko03, KK17, KT11, LK22, LC16, LW02b, LS17, Lie08, MU13, MK20, MD03, NS11, Nic17, OSS14, PTC13, SCPW12, SS10, SC10, SDN21, Ste08, Ste13, STT17, Tas15a, TYUC17, VV10, VV11, WC15, WCCL16, XLS16, Yan20, XYY20, YGL18, ZZ99, ZZS02, ZZS04, ZXS21, dSL08, dTDM08, vdV96].

Low-Rank-Plus-Shift [ZZ99].

Lower [AR93, AW05, BU15, DS97, GW22, INRZ21, Lás94, IW05, Lo66, MBM08, RST18, Vec03].

Lower-Bounding [DS97].

Lower-Rank [MBM08].

Lowest [PL18].

LSQ [EOS19c].

LSMB [HG18].

LSQR [Ben99, Hal20, JTP10].

LU [ES92].

Luk
Lumpability [DS97], Lust’re [PR12], Lyapunov
[CT15, BES15, BH90, BD05, BC88, BN87, CFL07, CH07, DL03, EW13, HS95a, HP92b, KO15, LS10, LW02b, MPR18, MZ19, Mo22, RDC93, SS17, TCTM00, TV09, VV10].
Lyusternik [MB07].
M [GL03]. M-Matrix [GL03]. M. [Ikr97]. Machines [SYJ00]. Magnitudes [Nie10].
Maintaining [BBM02a]. Majorization [Bap89, KA07, KA10, MSZ20, Zha17, ZK17].
Manifold [Bry17, DL02, Din98, Fio11, LE02, MA20, Zin17, ZH22]. Manifolds [ANT19, CDH12, GL18, LWW15].
Marginals [SH91b]. Markov
[AGQS22, Bar93b, Bar00a, BF11, BHKR11, Bor09, BPS05, Bu00, Br07, CCZ97, DS97, DA05, DLLT22, DR93, DWY20, ES08, EHW10, Ger92, Hey95, HO98, IM94, Kir02, LP89, LM06a, LF13, LX12, Liu12, Mas16, Mey94, O’Co02, OW96, ST01, TVV15, XG98, Zha93b]. Markov-Modulated [CCZ97].
Markovian [MP11]. Markowitz
[ALN07, ALP07, DDN20]. Matrices [CDG+07, CPTP09a, CFJKS13, Che98, CD05, CC09, CG15b, Ch91, CE94, CFG98, CK91, CS10b, CC17, CM03, CGS94, CRS99, CR01, CLG93, CKM22, CC92, CHLS00, CW96, CKP11, CP20, CB90, DD14a, DDY14b, Dan93, DS97, De 08a, DL02, DP10, DP15, DMS09, DMS12, DMS13, DG91b, DG91c, DV07, DV08a, DV08b, DD10, Dem99, DHST05, Di 09, DD12, DMP96, DE99, DPR13, DPP22, ZK01, DK06, DQV22b, DGM15, DY10, DK99, DK08a, DK08b, DL17b, EEK97, EK99, EL05, EL08, ES08, ESS+12, EN08, EU10, EM15, FLT10, FG00, FH06, FLV04, FO06, FKKL96, FI18, FH21, Fer98, FP20, Fie95, Fie00, F99, Fio11, FSZ14, For96, FHLS13, FN08, FME18, FC01, F92, FHS+94, FG94, F92, FT16, FR23, FGS14a, FLV12, FIS01].
Matrix
[CDG+07, CPTP09a, CFJKS13, Che98, CD05, CC09, CG15b, Ch91, CE94, CFG98, CK91, CS10b, CC17, CM03, CGS94, CRS99, CR01, CLG93, CKM22, CC92, CHLS00, CW96, CKP11, CP20, CB90, DD14a, DDY14b, Dan93, DS97, De 08a, DL02, DP10, DP15, DMS09, DMS12, DMS13, DG91b, DG91c, DV07, DV08a, DV08b, DD10, Dem99, DHST05, Di 09, DD12, DMP96, DE99, DPR13, DPP22, ZK01, DK06, DQV22b, DGM15, DY10, DK99, DK08a, DK08b, DL17b, EEK97, EK99, EL05, EL08, ES08, ESS+12, EN08, EU10, EM15, FLT10, FG00, FH06, FLV04, FO06, FKKL96, FI18, FH21, Fer98, FP20, Fie95, Fie00, F99, Fio11, FSZ14, For96, FHLS13, FN08, FME18, FC01, F92, FHS+94, FG94, F92, FT16, FR23, FGS14a, FLV12, FIS01].
Matrices [KNS97, Kit95, KS03, Koe95, Koe05, Koe07, KN91, Kre95, KS93b, KS93a, KRS91, LLS09, LS10, Lat95b, LP06, LN22, Le06, LC15b, LC16, Lew91, LGPS90, LO20, Li91, LT94a, Li02, LF02b, LF05, Li05, LPS08, LGWX12, LS04, LT09, LW97, LOvdD02, LOvdD03, Lin11, Lin19, LZ97, LZ05b, LW94, LB96, Lu98b, MMT08, MM11, Mae98, Ma99, MS02, MMS94, MSZ03, MA20, MR22, MSZ02, MONT10, MV13, Mat09, Mat92, Mat97b, MvdD89, MP21, MNST96, Mel99, Meu92, MS91, MP98, Mön11, MBO97, Mor22, Mur91, Mur93, Mur98, MP95b, MNT99, Nab99, Nab00, Nab01, Nav93, NS96, ND06, NP99, Nov99, OR93, OR97, Ose10, OW95, PK93, PK94, PN16, PLM94, Pat00, PM06, Peñ05, Peñ08, Peñ09, Per91, PW14b].

Matrices [Pes14, PW15, Pes19, PT05, Pfa01, PR91, PW90, PSW22, PJJ10, PRO13, PL14, Pul13, RN18, RKN20, RVA05, RD95, Re91, Reu02, RR98, Rie92, RS92, RW95, Rod05, Roh93, Roh94, RSS94, RODS15, RST18, SZ99, Saal16, SOTO9, Ose10, OW95, PK93, PK94, PN16, PLM94, Pat00, PM06, Peñ05, Peñ08, Peñ09, Per91, PW14b].

Matrices [dF05, dSV01, vDHvdV00, vD99, vD99, vDMS05, AIL89, Aue89, BY88, BH96, CJL96a, CF89, Che92, DGIM06, DS95, Ede88, FF93, GP88, Hav89, HM89, HPR89, HRS88, HS88, Hon89, HC89a, HC89b, Ikr97, IM95, IN98, JP94, KN98, KN94, MP88, ML98, Per88, PR88, PSL90, RR96, Rum01, Stu88, Str88a, Tre89, Wim88a].

Matricity [GG13, BG19a]. Matrix [AS93, ALAK94, AA09, AFS08, AAB10, AMH09, AMH10, AMHL22, AB16a, AB18, AMPV97, AK20, AK21, AG91b, AW10, AEGL19, ACL93, AT98, Ano11, AW00, AH14, AH16, AKPP08, AB16, ANT19, AG00, Art03, AMR+18, AABK19, AHH10, AW05, BL21, BD98a, BB95, BD22, BD+16, BR19, BR22, Bar99a, Bar94, BLAP97, BL94, BL00, BKS18, BL99, BT12, BT13, BV00, Bez12, BB96, BD93, BM94, BF93, BM96, BNS13, BMM20, BMSV92, BL91, BM06, BKMS14, BKMS15, BS16, BB20, BHR10, Bor14, Bos21, BW99, BL10, BF05, BG13, BX05, BD95, BZ00, BC92, BdTD11, BDF17, BGN12, BHM97, CSX15, CGHR07, Cao06b, CR16, Car94, CG03a, CH93a, CS01a, CT93, CMPX03, CRY+21, CGMM22, CHKL01, CD00, CG+09, Chu95, wC03, CH06, CHW10, CSEP21, Cfl21, Cla10].

Matrix [CD98, CG10, CR10, DB20, DH03, Dax08, De00, DD99, DD08, DD16, De18, DDD20, Dem92, DRSZ07, Dhi98, DT08, Di00, DP00, DMR09, DK14, DK15, DS10, DS19, DS20, DG19, DHM97, DD13a, DJ09, DMM08, DI19, DH97, Dru00a, DK98, DLT15, DK01, EEK7, EEK99, EEG11, EI98, ESR01, EK96, Ekt92, EK17, FL20, FZ16, Far16, FHI15, FH18, FH19, FHL23, Fay95, FPST13, FH17, FL19, Fer97, FFH+19, For03, FV98, FP16, FT07, FH10, FKL13, FGS14b, FLSS17, FH20, FSS21, GPM03, GH91, GL18, Gav91, Gei91, GL03, GIKT95, GI97, GL99, GT17, GIL94, GIG11, GK15, GR23, GT13, GHWW90, GSM00, Gov91b, GR71b, GT11, Gro98, Gdfl08, GKL95, GO11, GKL14, GLM17, GP18, Guo98, Guo01a, GH06, GLK12].

Matrix [GR05, GN16, HLT12, Hal22, HIS23, HM04a,
Har99, HLW05, He99, He21, HR00, HO10, Hey95, HO98, Hig92, Hig93, HK95, HT00, Hig01, HK01, Hig03, HMMT04, HMMT05, Hig05, HMT06, HMMT07, HMT09, HL11, HL13, HR14, HS16, HL21, HGC99, HGC00, Hla23, Ho90, HS95a, HI15, Hu92, Huc92, HSC04, HL02, HKBM08, HC89b, Ian06, Ian09, Ikr97, Ito96, IM16, IS07, IT11, JMPR19, JS94, Jia22a, Jia01, JTZ20, JMO93, JOvdD03, JKN11, JOAKt10, KKS97, Kau93, KB90, KL91, KL92, KL98a, KO18, KS22b, Kir95, KN98, KNOX02, KRU14, Koh99, KN91, KPC94, KMS15, Kra95, KH13, KL18, KK21, KL98b, KLS16, LP01, LMZ03, LP05, LNV92, Lau00, LH22, Law13, LP17, LT97, LV06, Lew96, LR94, LY03, Li06, LBL05, Lie08, LT09.

**Matrix**

[Lim07, LX06, LNP93, LWW15, LM18, Lu98a, Mac99, MV97, MMMM06b, Mar11b, Mat93a, Mat95b, Mat96, Mat97a, MS15, MMW22, Mei04, Mel04, MYK14, Mit20, Miz22, Mor21, Mor22, MGS20, NV94, NRT92a, NBG10, NNT17, NTTZ18, NS11, NP20, NS18, NK01, NS09, NST15, Nof17, Nou96, Ogi10, Ost10, OW92, PA90, Pa90, Pai10, PP11, PW14a, Pål11, Pan93, PN18, PYHK93, Par05, PV09, Pen01, yPWjP12, Pet21, Pi94, PŚW22, PS08, PT18, PS22, PL14, Q506, Qi13, QCT15, QCT16, RS96, RR94, Rau02a, Rau02b, RE13, RS06, RVV17, RE98, Rum97, Rum22, SCPW12, SD16, STvDD17, Sch05, Sch95b, Schb96, SC05, Sev03, SCBC21, SMBJS13, SC03, Sid95, SH23, SC10, Sm03, So92, ST01, SDC+12, Sta22, SU94, Ste91b, Ste16c, Ste18, SH93.

**Matrix**

[SV15, SD12, Tam98, TFL11, Tas15b, TDV15, Th94, TL06, Tis93, TZ13, TT98, TT99, Tre90, TW03, TYUC17, Tro90, TU91, Tsu93, Uhl20, Uhl18, VVM05, VBW98, Vec03, Ven03, Voe99, Wan98b, gWeCL12, WY17, WLB05, WS12, WCL16, Wh90, WD95, Wim92, WZZH21, WZ23, XX16, Xia12, XBC22, XCH18, fX96, XPL+18, XNB22, Xue96, YLA97, YGL18, ZMK02, Zha91, Zha95, ZH95, ZGP10, Zhe96, Zhe98, Zim17, vdV96, von93, AdHN88, BJ95, BO92, BK89, Bas89, BV88, Ber88, BH88, BN88, CS89, CLS88, DV06a, FM88, Gad88, GL96, HD97, JMW96, JJ88, JN89, JOvdD89, JH88, KL89, LG06, Liu88, Naz89, Ove88, OW88, Stu88, Wim88b, WW08, EW20, ZF14].

**Matrix-Algebraic** [Zim17].

**Matrix-Matrix** [MSZ15].

**Matrix-Sequences** [FFH+19].

**Matrix-Stencils** [He21].

**Matrix-type** [BL94].

**Matrix-Valued** [ALAK94, Cla10, Kra95, KH13, Mat93a, QCT15, QCT16].

**Matrix-Vector** [BF05, GTI11, HR00].

**Max**

[BSvdD95, BCGG10, BJ16, DD98, HT17, Hoo17, HPTH19].

**Max-Algebra** [BCGG10].

**Max-Balanced** [HPTH19].

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

**Maxima** [RSS94].

**Maximal** [CYA+18, CP20, Lf95b, SZH22].

**Maximally** [EG15].

**Maximization** [Fülö7, LW05, Men18, VW08, WZL21].

**maximizing** [All89].

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

**Maxwell** [CHH+15].

**May** [ZvSD20].

**Mean**

[BEBT07, BD93, BS10, CR16, FI18, HL08, JV16, Lim07, Moa05, Zha17].

**Mean-Square** [HL08].

**Mean-Squared** [BEBT07].

**Means** [AMPV97, APFA07, DDV04, Dri06, Gem98, Lim13, Moa02, Pål11, PT05, PT18].

**Measure** [NQB14, Yse22].

**Measurement** [CH93b].

**Measures** [BK15, BGMN15, DRS207].

**Measuring** [DMW23].

**Mechanics** [CGS94].

**Media** [BBK101, CHH+15].

**Memoriam** [Joh96].

**Memory** [ADV05, EM15, INRZ21, LHC16, GS21, KP92].

**Mendelsohn** [AL98a, IM95].

**Meromorphic** [ALAK94].

**Mesh** [vdSBvdV93].

**Mesbes** [Ten97].

**Metabolic** [LS95].

**Metamorphosis** [Van11].

**Method**
Near-Diagonal [KKSZ22]. Nearest
[BHR10, Ci21, DB20, Dem92, FGL21,
GHHW90, GLM17, HS16, Men12, QS06,
Qi13, Rum97]. Nearly
[BR08, BW97, DS97, Dem23, ESS+12,
MHG15, ST14, WD95, Zha93b, GL96, Hav89].

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

Necessary
[Cor93, Gad88, HQ16, Pin19, Sou19, ZWF05].

Need
[DI19, FH21]. Nested
[BOS13, BHL+93, BT02, CCB+20, Cao00a,
HR95, JLSZ22, SˇS91, SV93, Ten97].

Nested-Dissection
[BT02].

Network
[AD21, AL98a, BYDW18, BK15, GHN18,
PT18, vdSBvdV93]. Networks
[BDR12, FMRR13, FH17, GDF01, IO16,
KS15, WSSL06].

Neumann
[CLN14, MOC91].

Neville
[GP93, GT04].

Newton
[KZ10, BIP08, BX08, CRY+21, DS16, ES09, EM15,
FHS09, FM93a, GR17b, Guo98, GL00a, GH06, HK01, HMWY18,
Ian06, JWN18, Joh08, KL92, LE02, PTC13,
QL99, QS06, Qi13, San88, Tis01a, XNB22,
ZˇS94, ZZS04, Zha10a, ZBJ15].

Newton-Like
[GL00a, ZZS04]. Next
[Mar91]. Nilpotent
[LW05]. Nine
[ZWF07].

Nine-Diagonal
[ZFW07]. NMF
[LG21].

No
[CCLO9, FH21, QCCT17, CH93a, G197,
HC98b, Ikr97, WW08, Zha95]. No-spillover
[QCCT17]. Node
[GPS00, RE98]. Nodes
[BDGY20, Baz00, IS08]. Noise
[BE07, DF20, Par94, Wan15]. Noiseless
[Pin19]. Noisy
[CR96, ED22, HL08, Mz22].

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].

Nonadditivity
[CGMZ21].

Noncommutative
[HM04b]. Nonconvex
[BST16, TFL11]. Nondefinite
[CP00, Ser96]. Nondeterministic
[Kar10, MH95]. Nondiagonalizable
[LM06b]. Nonexistence
[VNVM14]. Nonfull
[Fei94]. Nonfull-Rank
[Fei94]. Nongeneric
[Van92, VV88]. Nonhomogeneous
[Ger92]. Nonincreasing
[GPS96]. Noninterior
[Kan96]. Nonlinear
[AA19, AG00, BLL22, BSFM10, BH13,
BM96, CZBL18, CQ+09, Efi13, ESR01,
FL19, Gui99, Guo01a, GKL12, JMM14,
KKM14, KS92, LM90, LZ10, Lu20, MOC91,
MI3a, MBN17, PP05a, RRR06, RPG98,
VMM15, VYH11, YGM09, ZBJ15, ZPW18].

Nonlinearities
[CMJU22]. Nonlinearizing
[RJ21]. Nonlocal
[CD17, CESC20, KPC94].

Nonmaximal
[FG94, Nab00, Wall03].

Nonmonic
[GH91]. Nonnegative
[An11, Art03, BN10, BCR11, CPZ11,
CFJKS13, CK12, CSEP21, DWWY20,
FG00, FHS+94, FG94, GTH19b, GG18,
Gil13, GK15, GR23, GR93, Gr06, GP18,
HNT99, Har98, HHSW97, HST19, JZ99,
JMO93, KOSvdD07, KP08, Kir95, KNOX02,
Koe05, Koe07, KK21, LL909, Lew91, LGL16,
Miz22, Nab00, NP20, NS18, NQZ10, NT08,
Ore06, PN18, PL14, QXX14, QCL16,
SGX14, TFL11, WZ23, YY10, YY11, ZY93,
ZHY16, AdHN88, HRS88, LH22].

Nonnegatively
[BN06a]. Nonnegativity
[BH08, KP08, NS94, SW91].

Nonnormal
[BES15, GCL16, SCBG05]. Nonorthogonal
[CL17]. Nonoverlapping
[CG92].

Nonpassive
[FG21]. Nonpolyhedral
[ZvSD20]. Nonpositive
[CRKU08, CFJKS13, HC15].

Nonseparable
[Ma98]. Nonsingular
[BC92, CRKU08, E15, NK01].

Nonsingularity
[GT99]. Nonsmooth
[Be06, Lew99]. Nonspherical
[SS10].

Nonsquare
[BEGM05, CG06, IM16, LG08, Mor21].

Nonstandard
[RT99, Zul11].

Nonstationary
[Mat05, MPS01, SWZ11].

Nonsymmetric
[AA94, BMS06, BGT05b,
BIP08, BG06a, Cao02, CS98, CZ02, Day97, 
EN08, GV99, GL00b, Guo01b, GH07b, 
GIM08, Jou02, JL98, JOAKt10, KK93a, 
LwCKL13, LX12, Lu05, LKK97, Meh08, 
MO20, Mor09, Nab99, NRT92a, NRT92b, 
PW15, RKN20, SHY10, SB05, SSR20, SW94, 
VHK01, Auc89, OW88, AGQS22.

Nonuniform [BDGY20, GS03].

NonUniformly [RS21].

Norm [ABMV20, Auj00, BZ98, BE03, BK21, CK20, 
CG96, Dax08, DG19, EOS19a, EOS19b, 
FH21, FKKL13, GJX22, GGO13, GGMO17, 
HN98, Hal20, HNT99, HJ07, HT00, HGC00, 
HV19, Koh09, Li16, LT90, LV10, Mat93b, 
Mat05, Men11, NS11, Pai09, PN18, PO03, 
RPC96, RPG98, TT14, WS12, FSV14, 
HC89a, HC89b]. Norm-Minimizing [CG96].

Normal [Bea01, CGRV20, Chu91, 
FKKL96, Fri02, GLPS11, GCL16, Huc94, 
Huh01, HL02, Huh02, Ikr97, Ito96, L´as94, 
LK95, Mai99, Mur91, Mur93, TMV18].

Normalized [GN13, PW14a].

Norms [BK97, BGKS99, BV07, CDP94, FHLS13, 
GKL95, GZ09, GZ15, HO10, HLS97, 
HGC99, HM90, HWS97, IS11, MG10, MZ19, 
Mor12, NNF14, PR91, Sali9, VJ07, Zha99, 
Zul11, LT89, Wim88a, ABM+17].

Normwise [FLV04, Rum03a, WX07]. Note [BHL+93, Cao00b, Cao02, Cao09, CL09, 
CT15, DDO8, DM04, FH93, GG03, 
GSTP22, Gro97, KZ10, KP99, LT94a, 
LM03, Log17, LR99, Mas94, MNT99, 
Tüm02, Zhe98, BM88, San88, Sun89]. Novel 
[APFA07, GRK17, RCH08]. NP [GG11, HO10, RK95], NP-Hard [RK95, GG11, HO10].

NQZ [An011, CPZ11]. Nuclear 
[Li16, LV10, PN18]. Null 
[AD02, AB01, Bar93b, FJ97, GT08, GOS15, 
Guo02, KSH02, PR16]. Null-Space 
[FJ97, PR16]. Null-Spaces [KSH02].

Nullspace [KSG10, Jam92, PW90, SV93].

Number [AMH09, AW10, ABG07, ANT19, 
AW05, BDMS10, BDMS12, BGT14, Bor10, 
BK19, BV18, CT93, CES22, Dhi98, ES05, 
Far16, FH21, GV07, Har05, HR14, KLV18, 
KW94, Li06, LP11, LT94b, gS00a].

Numbers [BK06, CD05, CC09, DMC13, GK93, GrC10, 
KK706, Kir02, KPM09, NW98, PT05, 
RVA05, SST06, VT98, ZMW17, Ede88].

Numerical [BDHS11, BBD+16, BDD14, 
BD93, BMX02, Bos21, BGBM92, 
BGBM93, CDGS10, CH93b, CG15a, Ch010, 
CG98a, Cro16, CP17, CG19, DBW15, DF20, 
DH92, GLPS11, GL96, GKL18, GPTPV16, 
GC19, Gup02, HB94, KM16, LP01, LN22, 
LO20, Li91, LR94, LP00, LW95, LWY19, 
Lin03, LR05, Lu20, MG92, MA99, MYK14, 
Més08, MMH94, Ovod98, Ovs06, Ple06, 
PSW22, RS18, RD95, Ste03, Ste11b, Ste18, 
Swe93, Tre88a, Tre89, TW03, TU91, Tur97, 
Vav94, WLD18, Xun05, CJL96a, CJL96b].

Numerically [Fuh07].

Obey [BHKR11]. Object [GL99].

Object-Oriented [GL99]. Objects [NW02].

Oblique [BMP20, CE02, DL02, GT99, JK95a, Ste11b].

Oblivious [INRZ21].

Observability [Bar94, CT91, EJK09, Wim88b].

Observations [CH93b]. Observed [Pai09, PW14a].

occasion [Mol92]. Odd 
[DDE20, LF02b, Mel01, Mel04]. Odd/Even 
[LF02b]. Odd/Even-Mode [LF02b].

ODEs [KJH16]. Oettli [May12]. Off [CDGS10].

Off-Diagonal [CDGS10]. Ohta [FP17].

Once [LV20b, WZZ22]. One 
[Arg15, BL21, BR22, BV90, BES22, 
BEG07, Bor09, BB07, CLL20, DSG0b, 
DD13a, GWTW0, GT17, GE94, HST19, 
JK15, JLS01, LNSU18, MMW17, MSA19, 
MHG15, PL14, Qi11, SB92, Sle09, Ste0a, Tre90, 
WC14, Wei92, ZG01, AKU20, BK21, MH95].

One-Dimensional [JLS01]. One-loop 
[CLL20]. One-Parameter [Tre90].
One-Sided [BB07]. One-Way [BV90, GTW00]. Online [ZPW18]. onto [Bor14, Din98]. Operations [LB02].
Operator [CT15, Dri06, HHLW13, JJ03, KK12, Mat93b, Nis06, PS08, RRR06, RHE14, TCTM00, TW03, BM88, BN97].
Operators [AMT90, Beb06, BK89, BJMS17, BET02, CHH1+15, CZ03, Elm97, Gre92, GCL16, Grup06, HK08, HLT91, HLM94, JLS01, KBH11, Kn00, KM06, PW03, Rog05, SI03, SQ13, Tig91, ZAK13, DR95]. Oppenheim [LZ97, YL00, ZZ04].
Optic [Kau06]. Optics [HKBM08, JD1+18]. Optical [HKBM08, JD1+18]. Optimally [KRS19, SES95]. Optimality [CB00, ES11, EMC17, WZL21, OW88].
Optimally [DRS19, SES95]. Optimization [DRS19, SES95]. Optimizer [DRS19, SES95]. Ordinal [WZ95]. Oriented [FR23].
Orderings [BT02, Har93, Mas95, Pey01, ZS99]. Orders [He99, JMW96]. Ordinal [Wi09]. Ordinary [WZ95]. Ore [FR23].
Ortho [Bvd91, GL99, Har93, Mor94]. Origin [AHH01, ZvSD20]. Orthogonal [BR92, EAS98, HS98]. Orthogonalization [CGLV11, Dax08, RODS15]. Orthogonally [CCJ+10, DLT15, MHG15]. Orthonormal [BLW15, IW14, SDC+12].
Overdetermined [HM97]. Overlap [Whi00]. Overlapping [CG92, S91, ZS94]. Overrelaxation [GH92].

P [BG19a]. P-matricity [BG19a]. Package [GL99]. Packets [HL17]. Padé [Bas89, BL94, CM93, CJL96a, CJL96b, DP00, GN16, Hig01, HL11, HL13, L98b].
PageRank [WW08, BRZ06, GLY15, IK06, IS08, LM06a, SC05, WI09]. Pair [LS10, LM06b, LGL16, Ste16a, XNB22]. Pairs [BC92, Car94, EJK09, FV98, GPM03, GHT10, Hua21, JKM11, KS12, KLS16].
KNOX02, LGL16, MP11, NS94, YY10, YY11. **Person** [Mar91]. **Perspective** [Mei04]. **Persymmetric** [AKM97, CLG93]. **Perturbation** [ABK+11, BCR11, BBGF00, BM06, BEGM05, CGRVC08, CPS97, CP98, CGP09, CS10a, CLN12, wC03, DDA14a, DDD14b, DD07, Din98, DM05, DOV94, EEE97, EEE99, ES11, Elm97, Fan16, FHL23, Fie96, FJ06, GA18, Gu98a, HY00, Hig03, HMP19, HC15, IR08, IN09, IM16, JK15, K˚ag94, Kar11a, KK14, KPC94, KP99, KMP01, Kre05, LMZ03, LNV92, Li95, Li98a, Li98b, Li99, LS03, Li05, LS07, LNTX11, LNTX13, LgS02, Liu12, LR99, LT94b, MOC91, Mat93c, Mat97a, Mat97b, MBO97, MD03, Pet21, Rad90, RRR06, SMM20, Ste93a, Sun95a, Sun95b, Sun96, gSS97, gS98b, Sun04, TVW15, Vac94, Wan15, WD00, WLB05, We11, XSW10, XG98, Ye09, Zha93a, ZD01, tDMD08].

**Perturbations** [AG88b, BR19, BR22, BEGG07, Ble21, BW93, DS20a, DD16, DTS0b, EK96, GT17, GMM017, HH21, HNT99, Kar11b, Li93, MMS16, MMW17, MT15, RS96, RW95, Rum03a, Rum03b, Sw94, WD94, WD95, Zab91].

**Perturbed** [AKPP08, ANT09, BBS15, BFZ07, DLLT22, HHH12, MMN22, Naj98, SEM13, SM16].

**Phase** [BD22, CFL17, Mar11a].

**Phenomenon** [Hig03].

**Piece** [CdS90].

**Piecewise** [CYA+18].

**Pivot** [Gar09].

**Pivoting** [BFG23, BS02a, BT02, CCJ+00, DEG+99, DGGX15, DP05, DP07, FH21, FXG18, Fos94, Gou91, GGGC99, Hig97, HHP21, HS14, IT06, KDDG13, MM00, SS98, Swe93, Tol97, YC97, HH98].

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

**Plane** [AP04, BM20, PS88].

**Plus** [BESS22, BDG20, BJ16, CGO3b, CESC20, DD98, Hart05, HR04, HT17, Hoo17, ZZ99].

**POD** [CFT16]. **POD-Augmented** [CFT16]. **Point** [AGQS22, BSZ20, BB18, BG04, BG06a, CH93c, CHZ03, DH22, Dz98, DSW06, Dj07, DJ00, DJR+18, EG15, GGV05, GS10b, GOR14, HZ01, JR13, JR08, KSS22a, KC09, LV10, LZ10, LP13, Mar91, Més08, Not14, Not19, OS10, PW14b, PR16, PU10, PU14, RS02, RST18, SZ07, SHY10, SHZ12, SB04, SSR20, Tis01a, TS99, Tium02, Wri95, WT11, WX07, XYY20, Zul11, Rum91, Wr97].

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

**Pointwise** [CRS99, CRS01]. **Poisson** [CCZ97]. **Polak** [JX20]. **Polar** [BNP22, BvRD97, 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, Sun96, Zab91, vdWM95, CM98, CM92b, GKR89].

**Poles** [GG14, MX98, VGA10].

**Policy** [OS09]. **Polyadic** [DD13a, DD13b, DD14, DL15, DGGG22, ED22, EVD22, SDC+12, SD15a, SD15b, SD19, VD21].

**Polyak** [JX20]. **Polynomials** [Fie95].

**Polyhedral** [Pil94, VF00, ZvSD20].

**Polynomial** [AB19a, AABK19, BDD13, BKS08, BFS21, Bet09, BN10, Bor10, CSX15, DMR09, DQV22b, FJKM96, FLV04, Gem98, HLT08, KJH16, Lm00, LC15a, LVV16, LXSdH20, MNNM06a, Mur91, Mur93, Mur98, NNT17, Rei91, SKP11, Sor92, TMV18, TH01, VD21, VKDD21, Wm06, YXS21, Ash91, BV88, Tre88b].

**Polynomial-Time** [BN10].

**Polynomially** [GR97]. **Polynomials** [AKU20, AB16a, AMVW15, AMR+18, BNS13, BKMS14, BKMS15, BvTD11, BDF17, BV95, BGH95, wC03, Cla10, DB20, De 11, DDD20, DP15, DIS15, EGK91, FLT10, FIS01, GH91, GL18, GW07, Gdl1108, GR05, HM04a, HM04b, HMT06, HMMT07, HMT09, IR08, JZL16, JV04, Kit95, LP01, LP05, LN92, LP17, LR94, LY03, LT09].
Lin03, MMMM06b, Meu17, NNT17, NTTZ18, NK01, NST15, PSW22, RS96, RR94, RI11, RVV17, Tas15b, TDV15, TZ13, TTT8, Xn15, ZZ98b, dSV01, DGM06, MV88, Per88.

**Polytope**

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

**Polytopes**

[GP16].

**Population**

[KNX04, PL14, KN94].

**Port**

[GHR21, MV20, MV21].

**Port-Hamiltonian**

[GHR21, MV20, MV21].

**Posed**

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

**Posedness**

[dSL08].

**positions**

[BH96].

**Positive**

[ADGH18, AMT90, AD02, AFPA07, Asw16, BGN03, BW95, BJL98, BDR12, BF06, BD05, BS10, BHH98, BT92, CS01, Car94, CT08, CCL09, CHLS00, DK05, DHZ03, DY10, EG00, FHJ06, FY98, FMFJ18, GP06, GT04, GHNV03, GLV10, HLW94, Her90, Hu92, HQ16, JMO93, JH02, JOvdD04, Jok08, JSG15, KOvdD07, KN91, LL90, Lat95b, Lan00, Li05, LS11, Lin19, Lu98b, LQ16, MV97, MA20, Mat92, Mat97b, MMW22, Mel04, Moa05, Mor22, NS07, ND06, NY95, NV02, OR93, Pei98, Pei05, PT05, Pha01, QXX14, Reu02, Roh94, RST18, SMBJS13, SAGS21, SH93, Wai03, WZ91, WZ95, Whi90, XG10, XC18, XHC21, Yeo9, ZvSD20, Zha00, ZW05, Zha17, Zha10b, vdmMS05, AG88a, FM88, HPR89].

**Positive-Definite**

[AFPA07, JSG15, KN91, MV97, Mel04, Moa05, SAGS21, WZ91].

**Positive-Semidefinite**

[MA20].

**Positively**

[SQ13].

**Positivity**

[BD98b, CKP11, DD12, GP93, LGL16].

**Possibility**

[Kol03].

**Possible**

[GP96, TM12].

**Posteriori**

[BCW12].

**Potential**

[ABM21, PYHK93, SC05, WW08].

**Potentially**

[LQvdD02].

**Power**

[BM01, CWY20, De97, HS98, HV05, KM11, KM14, KW92, Ran07, TFL11, ZXZ21, BN88].

**Power-Compositions**

[BM01].

**Powers**

[DD09, HK95, HL11, HL13, IM13, Seb96].

**pp**

[Ano11].

**Practical**

[BBK18, LK22, Lee95, TYUC17].

**Practice**

[Fos94].

**Prager**

[May12].

**Prager-Like**

[May12].

**Precise**

[AS93].

**Precision**

[AMHL22, CD15, FH19, HK95, JL23, MR22, PP11, YGL18, GS92].

**preclude**

[JJ88].

**Preconditioned**

[ASvG17, Axt92, BN06a, BN06b, BGSC07, CNP94, DFT92, DGGG22, Eln97, FS10, HS10, HS95a, HSC04, IW14, KN90, KK93b, KK93a, LW20a, LH05, P14, PW15, RP10, RW92, Ser98, SHY10, SX11, WZZ22].

**Preconditioner**

[AG04, BS02a, BW99, CT99, ES12, EZ95, FP17, For03, FMFJ18, GLS12, GGV05, HT17, JWX03, LS06, ILNS17, MNN22, RN18, SZ99, SB04, SW08, Tan99, XLS16, XHC21, ZXZ21].

**Preconditioners**

[AGP19, AG19, ACST09, BNW99, BDS11, BZ20, BH96, BK95, BG06a, BCM395, Cap98, CP03b, CPS00, Che01a, CC97, CNW08, DYH06, Dol07, DS16, EN08, GMPS92, GP06, Gre92, HO92, KO05, KS22a, Kil99, LG06, LS17, Not14, NV02, PSW12, PR16, Pes19, SST05, SZ07, SHZ12, SSG12, TSN10, TS99, Ty92, Cha89, KCT90].

**Preconditioning**

[ADGH18, ACW17, AV91, AB09, Beb06, BS16, BH03, Cao02, Cap00, Dem23, DGSW06, DSSC11, FJKM96, GLH03, HJ07, JC22b, KN92, KG00, KL08, LRN06, LXH20, Log17, MTO0, NS96, Not06, PAP00, PV17, PS04, PU10, RW94, RSS99, RS02, Ser96, SCB21, SEM13, ST14, SCA12, SW08, Vav92, XX17, YXX21, vD99, As91, PS92].

**Preconditionings**

[MP21, KY93].

**Preconditioner**

[LM20].

**Predicting**

[Gil94, GS92].

**Prediction**

[Elt92, GGC09, NP96, Qia88].

**Predictor**

[BB98].

**Preface**

[LGPS90].

**Prescribed**

[ADHM19, CE94, CKL04, DHHST05, FIS01, NS94, RSV94, TDV15, BH96].

**Presence**

[CGG98, Par94, Wat00].

**Preserve**

[DMS12, Loe90].

**Preserved**

[DV06b, DV06a].

**preservers**

[PR88].
Preserving [AM23, BWQ06, BS91, BS94a, BH08, BDF17, Fit19, FHLS13, FT16, GLV10, GL10, HMMT05, HL91, HLM94, HJP03, HLQ09, JN21, KR14, KK7, KS12, KLS16, LX06, LGL16, MMS16, S06, SDJL+18, SMM20, VZ06, XC18, DS95].

Pressure [Mor22]."Prewavelets [Mae98].

Primitive [GGJ18, Pro13]. Primitivity [Ano11, CPZ11, FV98, WZ23]. Principal [AR93, DRM00b, JK95b, MM00, RST10, XK94, Yan98, dSV01, Ozg91]. Principal-Components [AR93]. Principle [BRR00]. Principles [BL12, BL13, Bor03, Auc89]. Priori [AMS07, EV06, Lat95a]. Probabilistic [HI15, HIS18, IQ20, KW94, YC97, vDhV00]. Probability [Spe98]. Probing [CM92a, FSS21]. Problem [ASA04, AA94, AE97, AHS00, AR192, BG11, Bai99, BS05, BL12, BL13, Bar93a, BL95, BBT05, BBT07, BBT08, BF00, BGT14, BD90, BGT05b, BHP02, BEM05, BDST08, BM94, BFP95, BVM20, BW93, CZBL18, CE02, CG98, Cha90, CP98, CG98a, CG06, CH06, CMT09, CF00, CCH99, DBW15, DW06, DD10, DS19, DYY16, DKO8a, DL17b, ES18, FZ16, Fri02, GOV19, Gor99, GS94, GS02, Gu95, GL10, HLT12, HPS+11, HPS13, HPS15, HPS16, HPO2, HKP05, HGL05, IM16, JNP21, JK11, KM16, Kau93, Kau92, KN98, KN91, KMS01, KMS03, KLX07, LZ14, LM90, LG94, LJJW22, LM03, Lu95, Lu98a, LZ10, LN14, LKK97, Mac99, Mac95, Mal96, MP95a, Mar11a, MLV00, Mat98, Mee90, Mel04, MX98, MBN17, Min08, MN97, MPS98].

Problem [NOZ11, NS18, NBS10, PDF16, Ple00, Ple06, Q13, RW01, Sid95, Sun96, SD12, TET05, VZ91, VGOV9, Vem93, Voo12, VYY11, WE91, Wat93, WE94, Wei92, FX96, ZZ98a, ZWF05, Zha10a, ZXL14, ZYSY20, ZMW17, ZF14, dSL08, BBJ5, Pan91, Snn88, Tis93, Tre88a, Tre89, VV88, VV89, WBP89].

Problems [AT07, AGQS22, AM23, ABG07, ACST09, ANT09, ABN92, BDY99, BLL22, BES22, Bar98, BCT16, BSZ20, BDR12, Ben90, BOS16, BFS21, BG04, BN06b, BMS06, Bet09, BT10b, BH13, BM96, BES98, BHM00, BKK07, BBGF01, Bor10, BS16, BB20, BG06a, BGBM92, CGCDM13, CPT09b, CG09, CG10, CH93c, CSC20, CLNW20, CKL04, CGH11, CK01, CC17, CHZ03, CGS94, CSK95, CC92, CHL90, DFT92, DG91c, DT08, DLM04, DW15, DS10, Do07, DS16, DJR18, DP05, Ef13, EHvP04, EL97, EW13, EOS19b, FF94, Fio11, FJBD15, For03, For96, FS01, Fos03, Fri92, GH91, GHN93, GITT96, GP97, GA18, GHT11, GJP12, Gre05, Gu98a, Gu98b, GKL97, GKL14, Gu03, GHT09, HG18, HY10, HMR01, HL23, HS10, HH98, HPZ23, HMP19, HZ01, HLTQ09, Huc92, Ips06, Ips09, IW14].

Problems [Jam92, JMM14, Jh92, Jia22a, JLS01, Kan96, KKM14, Kau06, KNW20, KKSZ22, Ki99, KO01, Kni04, KMS15, KLV18, Lau07, LX09, Lau00, LC15a, LV16, LG06, LY03, LS06, LNTX11, LNTX13, LW20a, LM20, MMM06a, MM08, Mal04, MH13a, MS10, MBN17, MZ19, My14, MH13b, MH15, Mor21, MM00, MPS09, NS07, Not14, Ors06, PS05, PYHK93, PSW12, PS04, QL99, QACT13, RT93, RHE14, RJ21, RSS09, Rod06, RPG96, RPG98, RS02, Rum12, RW92, Saa16, Sch05, SZ07, See11, SHZ12, SB04, SvdV96, SSR20, SW94, SB11, Sun95a, SV15, Tis01a, TH01, Tim03, Tim02, VM15, Van92, wVjBj11, Wat01, WD00, WS12, WS00, ZZ22, XE12, YGM09, YBZC16, ZS14, ZH03, ZLQ12, ZSY18, ZBJ15, ZHY16, Zul11, CS89, CLS88, DK97, GIM15, JN98, Mehb88, MT89, Qia88, Wm88a, Zha95].

Procedure [CW96, GIKT95, GGL04, LSB16].

Procedures [GR00]. Process [Art96, BR08, CR05, Gut92, Gut94,
HKV05, Pai10, PP11, Pai19, Van08.

Processes
[AGQS22, AG00, Cap98, CCZ97, Cla10, DQ02, GdlI08, Guo02, HM20, LF02a, LP89].

Processing
[Aru92, SKP11, ZR95, Cri88, Fuh88].

Procrustes
[AE97, SB88, ZYSY20].

Product
[Alt13, Bar98, BOS13, BK90, BvdMR +97, DHM19, DSI8, GSV00, GK06, GR00, HK08, JS07, KN00, Kar11a, KT10b, LS11, LWW15, MMT05, MV02, MV07a, MP98, NNP04, RHE14, Sen06, SB03, Van10, Zha10b, ZR95, FM88, Tre88b].

Product/Quotient
[GSV00].

Products
[BZ07, BF05, CDH12, FF94, FHLS13, FIS01, GTI11, GSTPT22, GLP01, GP04, HL17, HM90, HLS97, IZ20, JR13, MMT08, Mae98, MSZ15, Rod05, Ste18, WZ95, Zha97, HC89a, HC89b, PS88, Zha95].

Profile
[PK93, PK94].

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

Project
[GMMN21].

Projected
[CFL07, GL18, GOR14].

Projecting
[Din98].

Projection
[Bor14, BMP20, CWY20, GHHW90, JK95a, Jia22b, Mor21, Sim16, TP14, ZH03].

Projections
[BL21, CED2, FL19, FV08, Grc10, MOR04, RKN20, WD00, WZ17].

Projective
[Hu92, Sal88].

Proxy
[XC20, YXY20, YXS21].

Proxy-GMRES
[YXS21].

Pseudocontractions
[SB01].

Pseudiverse
[LC16].

Pseudoinverses
[DS17].

Pseudomonotone
[Gow90].

Pseudopoly
[AA09, AAB10, BLO03, BLO07, BBM21, EK17, GL13, GKL14, HT00, Kar10, Kar11b, LP05, Ran07, TH01].

Pseudospectral
[BLO04, GO11, KV14, LV17].

Profile
[PK3, PK94].

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

Proper
[SCBG05].

Properties
[BSvdD95, BO96, BU21, BDMS10, BDMS12, BRZ06, Che98, DG91a, Ehl92, FL13, GIK00, Gov91b, Gow96, GW00, HP92a, Hla23, KK93b, KK93a, Le 96, LF02b, LQ16, MR15, MMW18, MP95b, ND06, NS94, NSCS10, OS10, PP11, PW14a, RE13, SB04, SQ13, Sta22, SU94, Tre94, Tre05, VZ91, dF05, Bas89, Lag91, ML89, VV89].

Property
[DRTW91, EOS19c, EOS19b, HV19, JWX03, LT97, MO20, NNF14].

Proportional
[BGMN92, CCH98, KIX04, LEMCD19].

Proximity
[KT10a].

Proxy
[XC20, XXY20, XYS21].

Proxy-GMRES
[XYS21].

Quadratic
[Ain17, AV00, Ari00, AB01, BS05, BTB06, BGG18, BH90, BT10b, BMM20, CKL04, CCL09, DL03, FGM91, FS01, GP97, GHT09, GL10, HK01, HGL05, HLO09, KLO7, LP01, LZ14, LNNV09, LY03, LSM22, LS11, Lin03, Mat98, Mec09, MP11, NK01, OYBV19, Pin19, Ple06, PPLG20, QACT13, RS96, RT93, Se11, SH91a, Tas15a, Tas15b, T1Z13, TU91, Voo12, ZS14, ZHA3, Zha10b, Meh88].

Quadratic-Bilinear
[BGG18, LSM22].

Quadratically
[BBT06, HMW18, QS06].

Quadrature
[CRK05, FMR13, FGS14b, UCS17].

Quadratures
[Kau92].

Quadratic
[Nie10].

Quadruples
[CMT09, GP98].

Quality
[GM98].

Quantile
[HNRS22].

Quantile-Based
[HNRS22].

Quantum
[CK02, ELN22, MSV19].

Quarter
[BMM20].

Quasi
[BGG18, BT12, BT13, BLAK91, C989, Cla10, DS97, DQ02, EM15, GI00, GI00, GR17b, GdlI08, Guo02, Guo03, Har07, HM20, HMR01, MO20, Ste05, VVG09].
Quasi-Birth-and-Death [Cla10, DQ02, Gdl108].
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-Sepparable [VGV09].
Quasi-Toeplitz [BLAK91, CS98].
Quasidefinite [GSS96].
Quasiseparable [BOS13, BBD11, BEG09].
Quasiseparable-Vandermonde [BEG09].
Quaternion [JN21, SDN21].
Quaternions [Mac95].
Question [Kir02].
Queue [GT02].
Queueing [BM96].
Queues [DLLT22, HN97].
Quotient [DJ00, GSV00, MA20, Not03, RS08, SL94, SX11, XE10, ZAK13, BF89].
Quotients [CDH12].
Radix [PL18].
Radix-2 [PL18].
Ramaswami [Guo02].
Random [Ain17, AB19a, BMM20, BK21, CWY20, CD05, CLNW20, CC09, De97, DMS16].
Randomized [BYDW18, BBK18, BG13, CD13, FXG18, GR15, GR17b, HI15, MN15, MM23, Mar11b, MSK21, Nec19, RST10, Sai19, Ste21, WXZ16, XXC14, XCB14, XG12, Xia13, YGL18, ZF13].
Randomly [PJM21].
Range [AS93, BLd93, CP17, CG19, DF20, GKL18, GT11, KM16, LP01, LR94, LP00, Lin03, Lu20, RS18, TW03, TU91, FM88].
Rank-Completing [HMP19].
Rank-Constrained [FT07].
Rank-Deficient [Fos93, HS13, MH15].
Rank-One [Arg15, BL21, BR22, BEGG07, GE94, HST19, JK15, LNSU18, MMV17, MSS19, MHG15, PL14, Qi11, SB92, WC14, ZG01, AKU20, BK21]. Rank-Reducing [WD95].
Rank-Revealing [CGCDM13, CI94, HY01, LLZ09, LZ05a, PE95, Ste93b].
Rank-Structured [CR21, MPR18, XG10, Zhl12].
Ranking [WI09].
Ranks [DL17a, NY19, RW95, TL06, HPR89].
Rapidly [Auc91].
Rate [BLL22, Guo01a, KNX04, MM23].
Rates [BMfY03, LFW13, Nab99].
Rational [AB16a, AB18, ADMZ18, ADHM19, BL00, BGV10, BFS21, BG15, BV00, BD90, CMV19, DD10, DQV22b, DSZ14, EG20, FKL13, GG14, HB12, Ian09, KL19, KO15, KK93b, KK93a, LM98a, Lio88, LMC22, LW94, MV97, Nov11, OW99, Sid95, Sim16, SCMV21, SB11, VFGM05, VMM15, CF89].
rationally [Tre88a].
Rayleigh [PS04].
Rayleigh-Quotients [CDH12].
Reachability [BF06, NT08].
Reachable [Men12, ZvS02].
Reaction [KS15].
Real [AA94, BGMN15, Che01b, Chu91, CP03c, CES22, CDN14, DMP96, DLT15, Fio11, FG94, FIS01, GZ09, GL13, GMM07, GR05, HIS23, Hig92, HDT10, JWN18, JW11, JLZ16, JP93, K991, Li06, LV17, LKK97, MV07b, Mel99, Nab00, PDF16, Pei01, Pei05, Roh93, SHJ09, Tam99, TY02, Tre90, Voo12, WD94, XZC99, Zha05, vdMMR01, AG88a].
Real-Structured [BGMN15].
Real-Symplectic [Fio11].
Real-Valued [CP03c, JW11, JLZ16].
Realization [CFL07, FPST13, LM90, MSKC21, Par99].
Realizations [FN04, HMP94, JK97, Par92, Wim88a].
Realness [ABK+11, CT08].
Recapture [BP92].
Recession [Gow96].
Reciprocal [LF02a].
Reconstruction [Bar08, BKKL91, GS03, ZGP10, HM89].
reconstructive [Sal88].
Recovery [BIS12, BMTD11, DDM10, Foul8, GQ14, Pin19, QCBZ21, WCC16].
Rectangular [Bao0, BHL+93, BD10, GT04, GT08, HLS97, WA07, YL08].
Recurrence [ESS+12, ZZ98b].
Recurrences [GS00b, GR00].
Current [Guo02].
Reconstruction [Bar08, BKKL91, GS03, ZGP10, HM89].
Reduction [ASvG17, AG91b, Bar02, Bar94, BB12, BG18, BDG20, BB96, BG94, BKK18, DV07, DD14, DRS21, Fei94, FL18, FG15, GVV04, GM03, Gei91, GR17a, GP07, GAB08, Guo03, HM01, HJ03, IT18, J95a, LM93, LMC22, MIJ11, NTTZ18, NS01, ST01, Tam97, We11, ZW05, ZZLY02].
Reductions [SS17].
Reduction [BH06, GMN16, RS05, WD95, YB91].
Reduction [ASvG17, AG91b, Bar02, Bar94, BB12, BG18, BDG20, BB96, BG94, BKK18, DV07, DD14, DRS21, Fei94, FL18, FG15, GVV04, GM03, Gei91, GR17a, GP07, GAB08, Guo03, HM01, HJ03, IT18, J95a, LM93, LMC22, MIJ11, NTTZ18, NS01, ST01, Tam97, We11, ZW05, ZZLY02].
Reductions [SS17].
Referees [Ano97].
Reference [To97].
Refinable [Han03, JZ099, RST01].
Refined [Eir00, HP92a, IN09, JN03].
Refinement [BES05, DHT01, JC22b, JDS03, Miz22, Tis01a, Hav89].
Refinements [BG19a, CKB1].
Refining [RST18].
Reflection [BKKL91].
Reflective [Che98, NNP04, Wan98b].
Reformulations [RT20].
Region [LAVD11, Kir92, SW94].
Regions [HL02].
Regression
[ACW17, BE07, Fei94, GIG22, MYA19, SCBC21, SA22, O’L90]. Regular
[BR19, Bez12, Cao00a, Cao00b, DD16, GT17, Hua21, LV06, Pow88]. Regularity
[FGP00, GP16, JR99, RR98, RST01]. Regularization
[BE07, BGMN92, CCH98, GMN20, GL21, GHO99, JLSZ22, KS99, KO01, KLX04, Mal03, MH13a, PSW12, RSH21, WXZ16]. Regularization-Robust
[PSW12]. Regularized
[BBTT06, BBTK08, BST16, CC17, DGSW06, Dol07, HMWY18, LC16, LPT10, PO03, RG05, SNC02, SHZ12]. Regularizing
[HJ07]. Regulators
[KB90]. Related
[Alt13, BF93, BKMS14, CZ03, Cro16, CKP11, DMC13, DLM04, DK98, FS01, GP18, Gut92, Gut94, Gut14, Hla23, HLS97, KLV18, May12, MP91, PK93, PK94, SWYM96, ZLQ12, Bas89, BBDS95]. Relatedness
[CF02]. Relevant
[AW00, BF05, Cif21, ENV92, HC21, HZ01, LZ10, Woz93]. Relaxations
[FFbd15, He00, LQ16, NW14, Sch05]. Reliable
[Dh98, Ral11]. Remark
[Lat95b]. Remarks
[BGT05a, Fri16, RS18, Wei95]. Renumbering
[BW99]. Reordering
[GK06, JNP21, PFRR17, Zha01]. Reorderings
[LC05]. Reorthogonalizing
[GGL04]. Repartitioning
[GH92]. Repeated
[AT98, BS96, QACT13]. Replacement
[CD14]. Representation
[DV08b, FS97, Gdl08, KK12, Mar11b, PJM21, Sai16, Ste16a, SB95, SB03, Wei96]. Representations
[CDG+05, CGP06, CDG+07, HLW05, HR00, JLZ16, LHC16, MW01, WLW06, WL12]. Representing
[Tig91]. Reputation
[dKV10]. Require
[Tsa98]. Rescaling
[Hub92]. Research
[GKL12]. Residual
[AIM22, CD14, CGLV11, DH97, Ern00, FJKM96, GJX22, Gre97, HJ07, JN21, Mat98, Meu11, Meu17, Saa06, Ste91b, gS96, Tru06]. Residual-Minimizing
[Ern00]. Residual-type
[Saa06]. Residually
[BD09, Grc10]. Resistance
[Fit19, SS23]. Resolution
[CC92]. Resonance
[GS06]. Respect
[Ble21, RODS15, Uhl18, WD94]. Response
[BL12, BL13, XZL14, MP88]. Restart
[WS00]. Restarted
[BJM05, BFR07, BF00, FGS14a, JK97, JN03, LS96, Leh01, MR97, Mor95, Mor00, NZ16, Sim00, XE12]. Restarting
[AGJ14, CGLV11, EGG11, JLSZ22, Sta02]. Restarts
[FGS14b, ZH17]. Restoration
[CR96, NNP04, RHE14]. Restricted
[BT10a, CDD00, DG91a, MT15, Nov11, VZ91, Zha91]. Restricted-denominator
[Nov11]. Restrictively
[LW20a]. Result
[CGL18, Pal10, Sle90, Voo12]. Results
[BLd93, Cho10, DG91b, Din98, Djo08, DD13a, DIKMI18, Fer97, GS02, GWZ05, KS03, Mei04, Men99, MT00, MPS98, NP96, Ser98, Wil08, YL00, YY10, YY11, von93, CRR93]. Resummations
[GTJ13]. Retraction
[GL18]. Retrieved
[BD22]. Retrieval
[BR05, CFL17, WD21, VKDD21]. Revealing
[CGDM13, CI94, DGGX15, DK06, FB95, HY01, KDG13, LLZ09, LZ05a, PE95, PL97, SG21, Ste93b]. Reverse
[BMRZ94, Djo08]. Reversible
[DR93]. Review
[AYLR04, Meu92]. Revisited
[Dub00, Hig05, Pey01, Wu17]. Revisiting
[AC20]. reweighted
[O’L90]. Riccati
[JX20]. Riccìa
[BIP08, CR10, FHS09, Guo98, GS07, GL00b, Guo01b, GH07b, GIM08, JL98, JOAKt10, KP99, LwCKL13, Lim07, LgS02, LX06, LX12, Lu05, MOR16, MX09, Sch95a,
Sim16, gS98b, Sun04, gWcWL12.  
**Riccati-Type** [LX06].  
**Ridge** [ACW17, GIG22, SCBC21].  
**Riccati-Type** [GIG22].  
**Riemannian** [BS10, BAMC20, CDH12, DGGG22, HMWY18, IAVD11, JX20, Lim13, Lin19, SAGS21, XV10, WCC16, YBZC16, Zha10a, ZBJ15, Zim17, ZH22].  
**Riesz** [vdMS05].  
**Right** [AIM22, GRT07, HPS13, HPS16, HP02, KS92, MB10, Ple00, WCC10].  
**Right-Hand** [AIM22, GRT07, HPS13, HPS16, KS92, MB10].  
**Rightmost** [EW13, MR97].  
**Rigidity** [KK21, ST08, SC10].  
**Rigorous** [CS10a, DN11].  
**Ring** [CLL20].  
**Ritz** [AKPP08, BGV10, BD09, CE12, Hav89, KA07, KA10, MSZ20, MSZ21, PP11, Tan94, TM12, WZ17, Wu17, Wü05, ZXL14, ZK17].  
**Robert** [Joh96].  
**Robust** [AGP19, AL98b, BSZ20, BH90, BLO03, DLMT13, Eff13, EL97, FMMF18, GQ14, HL23, KB93, LGWX12, LNT18, MRU22, NK01, OL90, PSL2, SNC02, Sch05, WLV06, WT11, XG10, XX17, Yan93, Zha01, Zul11].  
**RobustMap** [Ost10].  
**Robustness** [BCGG10, Gil13, MV97].  
**Role** [Liu90].  
**Root** [DK98, EKNX93, FHL23, Gaw19, GH06, HMMT05, Ian06, Ian09, KNOX02, LFW13, Mat97a, Me04, KN94].  
**Rootfinding** [CR21].  
**Roots** [AMVW15, AMR +18, CG15b, FH10, GO15, LB02, Lu98b, MS91, NST15, SM03, JN89].  
**Rosenbrock** [AB16a].  
**Rotation** [DL02, JSG15].  
**Rotations** [AP94, Drm10, GO95, Moa02, SV05, Van11, PS88, SB88].  
**Rounding** [CYA +18, SvdVM00].  
**Roundoff** [EMC17, LEMCD19, LMC22].  
**Roundoff-Error-Free** [EMC17, LEMCD19, LMC22].  
**Row** [CH06, CK20, CH99, DH05, FHS +94, GNP94, RS94, RSS94, Pan91].  
**Row-Wise** [CH99].  
**Rows** [GN03].  
**RQ** [SY98].  
**Rule** [DTGVL05, Mat96, SW98].  
**Rules** [CR05, DK95, Xn15].  
**Rutishauser** [WE90].
ET10, GKX94, GK06, GH06, HL11, HL13, HL21, HS95b, HLS97, IM13, JMM14, KS22a, KL98a, KPC94, KMP01, LZ05b, MV07b, Mat95b, Pet21, SK95, Smi03, Ste01, Sun95b, ZXS21, ZH17, vdV96. **Schur-Monotonic** [GLV10]. **Schur-Type** [ZH17]. **Schwarz** [Bor09, BPS05, FS97, FNS08, HM90, NS07]. **Science** [AD21]. **Scores** [HIW15, Hoo17, SG21]. **Search** [Hig93, RCH08]. **Searches** [HK01]. **Secant** [CFG98]. **Second** [BS05, BH93, BB96, DRV21, FLV04, GR93, Koh99, LNT18, OL99, OW95, PS04, Vac94, WZZ22]. **Second-Moment** [BH93]. **Second-Order** [BB96, OL99, PS04, Vac94, WZZ22, BS05]. **Section** [LGPS90, MG92, NP99]. **Sections** [Rog05, Sil03]. **Secular** [LB02]. **Segregation** [DMW23]. **Self-Adjoint** [Cao09, LP01, MSZ20, ZAK13, BP21, vdMS05]. **Self-Conjugate** [DQV22b]. **Self-Consistent** [BL22, CKL21, LWY14, YGM09]. **Self-dual** [Per88]. **Self-equivalent** [WE89]. **Self-Recursive** [PL18]. **Self-Similar** [WE90]. **Selfadjoint** [KL98b, RRR06, ZZTA02]. **Semantic** [VS14, ZZ99]. **Semencul** [AG91a]. **Semi** [BY88, GK15, LHC16, SA22]. **Semi-Infinite** [SA22]. **Semi-iterative** [BY88]. **Semi-Nonnegative** [GK15]. **Semi-Separable** [LHC16]. **Semialgebraic** [QCL16]. **Semicircle** [BZ07]. **Semiclassical** [HL17]. **Semicommuting** [AM05]. **Semidefinite** [AD02, BS10, BHH98, CS01, Car94, CFG98, DHZ03, Di97, DY10, FNS08, GS10a, GS02, HXY11, He00, HLW94, Her90, JT98, Laut00, LWXZ06, Mal04, MA20, MW01, MMW22, NS07, NW14, Ste10b, SH93, WZ95, Zha00, HPR89]. **Semidirect** [HG14]. **Semigroups** [GR97, Jia98]. **Seminonmonotone** [MP95b]. **Semiproximal** [BST16]. **Semirings** [Pat00]. **Semiseparable** [CG03b, CDG+05, CGP06, GLV10, Har05, Mar11b, VVM05, XC18]. **Semisimple** [LMZ03, Laut07, QCT15, QCT16]. **Semismooth** [DS16, Qi13]. **Semismoothness** [QY04]. **Sense** [HPS16]. **Sensing** [JKN11]. **Sensitivity** [Afs08, AA19, Bol90, CI95b, DB88, GA18, GG06, GTP13, GL197, Mey94, Zen16, Zen19, Zha93b]. **Separability** [Miz22]. **Separable** [HG14, KS92, LHC16, VGV09]. **Separation** [De 11, GED22, LZ05b, WLB05]. **Separator** [GW22]. **Separators** [GM98]. **Sequence** [BGH95, DD99, OL99, PS04, Vac94, WZZ22, BS05]. **Sections** [Rog05, Sil03]. **Set** [AM95, AKM97, BM19, BF06, CP17, Ek96, Gow96, Gro97, Hla08, Hla23, Huh01, KP08, LP96, LH22, May12, NS18, Pi94, RS18, Pea88]. set-theoretic [Pea88]. **Sets** [AMT90, BN10, CRS99, CRS01, CG19, De 18, DLT15, GGJ18, GGO13, GZ15, GP16, Kar11a, KO18, May12, MPS00, Pop12, Pro13, SU94]. **Several** [Bin90, CCG+09]. **Sham** [LWYY14]. **Shape** [AKM97]. **Shared** [ABM21, KP92]. **Sharp** [BL22, BT92, Dri06, Hal20, TVW15, PS88]. **Shary** [Neu00]. **Sherman** [Rie92]. **Shift** [AM23, BMS06, FS10, GS03, MV02, ZZ99, HL06]. **Shift-Invariant** [GS03]. **Shift-Invert** [AM23, FS10, HL06]. **Shifted** [CES22, CM03, GLS94, Guo03, GIM08, HR01, HG21, KM11, KM14, MV07a,
Shifting [MP91, vdG93]. Shifts [BBM02a, Emb09, MV18, Wat95, Zhl12].

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

Shifted [BM88]. SIAM [Ano11, CH93a, HC89b, WW08, Zha95, Ikr97].

Shorted [BM88]. SIAM [Ano11, CH93a, HC89b, WW08, Zha95, Ikr97].

Sided [BB07, CZ02, Fie96, OYBV19, OYV22, SWYM96, ZH17].

Sides [AIM22, GRT07, HPS13, HPS16, KS92, MB10].

Sign [BD98a, BMOvdD04, BC92, BD15, BDF17, BHM97, CK00, HMMT04, JMO93, KL91, KL92, KOSvdD07, LOvdD02, LS95, Pen95, Sha95, SHS03, Tsa98, JH88]. Sign-Central [BD15]. Sign-Nonsingular [BC92].

Sign-Solvability [CK00, Sha95].

Signal [Aru92, SKP11, ZR95, Fuh88].

Signature [PSS19]. Signatures [Wim06].

Signed [HKG09, KSH02, SHS03]. Significance [Van92].

SIMD [BMSV92]. Similar [LLˇS09, Sle09, WE90].

Similarity [CG15a, FP98, GKK99, LPS08, VVM05, dSV01, CH88].

Similarity/Equivalence [IM94]. Simple [Bol90, GG14, Lu05, MA20, OP05, Ste91b, Tam99, WLB05].

Simpler [JRG09, NTTZ18].

Simultaneous [AhS98, Bin90, BB08, BMV20, CS96a, DF20, MD90, GOV19, LN22, LUC18, MM11, OST09, PR91, Sut12, CJL96a, CJL96b].

Sinc [NP02].

Sine [CDD00].


Single-Input [AD98, BMU94, MX98, Mim15, SX11, Meh88].

Single-Vector [SX11].

Singly [Tis03].

Singular [AMMS08, AHH01, BB08, ESS15, BV90, Bar02, BL02, BT17, BG99, BK90, Bor99, BV97, Cao08, CGV03, CI95a, CL09, CT15, CHH+15, CFG97, CCH98, CDD00, DVV0a, DG91a, DVV9a, De 94b, DD98, Dem92, Dem99, DP09, DPP22, DDS17, DJ00, Dm00a, ES12, Fer98, Fri05, GMN18, Gra10, GE95c, GRK17, GLM17, Han94, HMP94, HHSW97, HDT10, HMP19, HS00, HJP03, HC15, IS07, JS94, JN03, JC22b, JN91, JN93, Kit95, Kra19, LC15h, Li93, Li98a, Li98b, LM02, LS07, LNT18, MS02, MMW17, MVV92, MH94, MR18, MS03, Not16, O’N05, OYV22, PS94, PP05a, PSW22, PY05, RW95, Rog05, Rum97, SCBG05, SS06, SWZ11, Sil03, Ste21, SB01, gS00a, Tam98, wVjBqJ11, WA07, Wan15, Wat92b, WCB22, XPL+18, XNB22, YB91, Zen19, Zha91, Zha97, Zha00].

Singular [ZQ10, Bap89, BY88, BN87, FF93, GL96, KN98, WE89].

Singularities [MS99, VJ07].

Singularly [DLLT22, MMN22, Naj98].

Sinkhorn [Kni08].

Size [CNW08, GW22, KNX04].

Size-Classified [KNX04].

Skeleton [CD12].

Sketch [GMMN21].

Skeleted [PJM21].

Sketching [ACW17, CLNW20, CJ21, FGK+22, GIG22, MYA19, TYUC17].

Skew [AKM97, BGD97, BBNM92, Ben09, DHZ03, DK14, Fer98, GV09, GPTV16, Hac93, Hla08, Kre05, Meh99, Rod05, RP10, SB04, Tam98, TY02, Tre05, Yas03].

Skew-Adjoint [Rod05].

Skew-Centrosymmetric [TY02, Yas03].

Skew-Hamiltonian [BBM02a, Kri05, Meh99].

Skew-Hamiltonian/Hermitian [BBM02a, Meh99].

Sketching [GMMN21].

Slow [BET02].

Small [BPR20, BLO07, CO12, CNW08, GPTV16, Hac93, Rod05, Tam98, DK14].

Skewcirculant [Hac92]. Slicing [Har98].

Slow [BET02].

Small [BPR20, BLO07, CO12, CNW08, GPTV16, GV07, GKL95, GKL97, Hig03, JV04, Kar11b, Ste21].

Smallest [GTP18, GKL95, GKL97].

Smith [LK95, Mur91, Mur93].

Smooth
[DE99, Mae98]. **Smoothed** [BC10, SST06]. **Smother** [TW00]. **Smoothers** [DJR+18]. **Smoothing**
[AIM22, AC20, HJ07, HL23, QL99].

**Smoothing-Norm** [HJ07]. **Smoothness**
[CD00, Han93, JRZ99, JJ03, LO20]. **Snap**
[IT06]. **Snap-Back** [IT06].

**SOAR** [BS05]. **Sobolev**
[RST01]. **Solution**
[AM95, AKM97, BS05, Bar98, BBT05, BBT06, BBT08, BFS21, BGT14, BM96, BV01, CGRV20, CCGDM13, CI95b, CPTP09b, CH97, DK05, DZ03, DS16, DP07, EHvP04, FLMI2, Gar90, GL03, dMGF14, GTP113, GV09, GL00b, GH07b, HLT12, HB94, Han94, Hla08, Hla23, HP92b, HM97, HO92, Ips06, Ips09, Jot92, K508, LS10, LHRR95, LN22, LS99, LW02b, LB05, LEMCD19, Lu94, Lu96, Lu05, Mac99, May12, Mec03, Mec09, MP11, MPS00, OS10, OL99, PAP00, Pia19, PYHK03, P0505, PJM21, Pop12, PLGL20, RG05, Rod06, RPG96, SC03, SJ92, Tsa93, Ver96, Wei92, Zha93b, AG88a, Tre88a, Tre89, VV88].

**Solutions**
[BES15, BPE94, BT92, Buc00, CPTP09a, Che01b, CGH11, CK91, CH94, CR10, DYY16, EL07, EP94, GHR95, Ho90, K090, KT10a, KLT07, Lat95a, LH22, M003, MX09, NS18, OSA14, yPWJP12, RDC93, RK95, sMG9, VV10, WS12, Win92, XZC99, ZH905, W0505, DK88, Win88b]].

**Solvability**
[CK00, DBW15, HPS16, Pop15, Roh03, Sha95]. **Solve**
[ANT09, BLL22, GH07a, VGV09]. **Solved**
[HLT08, LC15a, LV16]. **Solver**
[ADLK01, ADV05, AV91, CS98, CGP06, CDG+07, DVO8a, DL92, GIG22, GJX22, HY00, Ste03, VHK01, XG12, Tsa94].

**Solvers**
[AGP19, AIM22, ADR92, AGL98, DH93, DGW06, DSSC11, Gov91a, GT11, GL00b, Gut14, JRG98, PFR17, STvDD17, SwdVM00, Wn95, XZC14, Xia13, XE10]. **Solves**
[FS10, SX11]. **Solving**
[AT07, ADD89, BEG+09, Ben99, BD90, BM99, BMM20, BHP03, B050, BLNT3, BMV20, CG10, CG96, DHT01, DTMVL05, ESR01, ES12, EG00, FIO11, F0s03, GRT07, GMMN21, GLS94, GL14, GL00a, GHT09, GL10, HXY11, Hi90b, HK01, HMP19, HV05, Huc92, JG2, JSLZ22, JV04, JOAKt10, LwCKL13, LXSdH20, LMC22, LH05, MNR18, VM07b, MR18, MV00, MM00, NY95, O0s06, PV17, Sha23, SWZ11, SS17, ST14, SB11, TMV18, ZF13, BDV89].

**Some**
[Auj00, BLd93, BGT05a, BK97, BN10, CGL18, CCI+00, CDG+05, CS10a, CD00, Cho10, CHW10, CZ03, CHZ03, Cro16, DLM04, Dri06, EGGR99, EL91, GR17a, GIK00, GG06, GS02, HMT93, Ho90, JJ88, Kan96, KS03, LN22, Li91, LZ97, MP95b, MPS98, ND06, NP96, Not19, SU94, Ste11a, TL06, Tre94, Wei95, XX16, Xia12, YL00, ZQZ14, von93, GIMT95, MT89, VV89].

**SOR**
[Dan91, HN98]. **Soules**
[EM10].

**Source**
[KNW20]. **Space**
[AD02, AB01, AFPA07, BW95, BGER+18, BH90, BH93, BD10, Bry17, Cle00, Drm00b, FJ97, GP98, GTI11, G0S15, GS00b, FR16, Qi11, QZL05, YXS21]. **Spaces**
[AG19, BvdMR+97, DIKMI18, DS18, GT08, GS03, HV19, KSH02, MMT05, MMMM06b, NNT17, Sal88]. **Sparse**
[ADGH18, AP19, Ari00, AB01, AL98b, AKP08, BV92, BL90, BM02, BW99, BT02, BF95, BrD07, Cav94, CDG+07, Che01a, C090, CG90, D097, DH99, DH01, DH05, LGL99, DEG+99, DD12, DKK9, DK01, DP05, DP07, EL92, EL05, EL08, FSV21, GL99, GMS92, GL93, GNP94, G094, G095, GD22, GT08, GED22, GGC09, GLS94, Gup02, HS13, HS14, JN03, KU13, LGRPS90, LS06, LC05, Liu00, LNP93, LEMCD19, LMC22, LB96, Lu01, LN14, LKUK97, MSZ15, NP96, NN90, N999, NY95, PFR17, PL97, Pin19, RS06, Ren02, RS94, RE98, RS21, SZ09, SVD17, SY00, SV93, SV15, Tan99, TW00, Vog99, WZZH12, XLS16, Xia13, XZC15, XBC22, ZZS02, ZZS04, XZS21, dBG08, vD99, vdBvD99].
ADD89, DY90, KY93, Liu88, PSL90.

**Sparsified** [CCB+20]. **Sparsifying** [FGK+22]. **Sparsity** [CK12, HJ0vdD93, HLW94, PN18, HPR89]. **Spatially** [Par94]. **SPD** [LGWX12, XX17]. **Specific** [BG94, BJ16, Che98, DCM08, FFH+19, Fie95, Fie00, Ipo65, Ipo09, LPGS90, MG92, NP99, ShS03, Tho94, BHH88, HM89]. **Spectral** [Alt13, AG91b, AG88b, BMfY03, BSvdD95, BU21, BGK+18, BM19, BGSC07, BE03, BN05, BN10, BZ00, BCGG10, BCW12, CSX15, Cap00, CF99, COP20, CG98b, Cle00, CG10, CP17, CG19, FGJ00, FST+13, FC01, FL99, GSCS15, GP97, GG06, GS06, GS10b, Grcl0, GR93, GM98, GGO13, HNT99, HGC00, JJ03, JW11, JCG14, Kar11a, KS17, KK93b, KK93a, Lan07, LS01, Li16, MS97, MSz21, Mat97b, MW01, Mön11, MS18, NFF14, NP13, NSCS10, PR01, PJB10, QY04, RS18, Sen06, SB04, SQ13, Sta22, TP14, TY02, Ttg91, Trev90, Ttg94, WS12, We11, WZZ22, XE12, Yas03, BH06, OW88]. **Spectrally** [BMOvdD04]. **Spectroscopy** [LW05]. **Spectrum** [Chu91, CG98a, DHST05, FT16, GMS90, MP21, MF20, M5S91, MS99, MP09, NVF14, NP13, NSCS10, PR01, PB91, QY04, RS18, Sen06, SB04, SQ13, Sta22, TP14, TY02, Ttg91, Trev90, Ttg94, WS12, We11, WZZ22, XE12, Yas03, BH06, OW88]. **Spectrally** [BMOvdD04]. **Spectroscopy** [LW05]. **Spectrum** [Chu91, CG98a, DHST05, FT16, GMS90, MP21, MF20, M5S91, MS99, MP09, NVF14, NP13, NSCS10, PR01, PB91, QY04, RS18, Sen06, SB04, SQ13, Sta22, TP14, TY02, Ttg91, Trev90, Ttg94, WS12, We11, WZZ22, XE12, Yas03, BH06, OW88].
GE94, Gu98c, GGbCC03, GP18, Hu92, JK97, JRG09, LS10, LW97, LOvdD02, NP20, PLM94, [RR08, Sut12, TCTM00, Tro90, Vav94, XCB14, 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, DGMR00, DWWY20, ES18, HS10, KLX04, LFW13, BHKR11, Zab89]. State-Discretization [DGMR00]. state-feedback [Zab89]. State-Space [BH90, Cle00]. States [DA05, NT08]. Stationary [BF11, Cao08, FNS08, GV99, HM20, KS15, LF02a, Liu12, MS02, Mey94, OW96]. Statistical [BCR11, GKL95, GKL97, Hoo17, KLR98]. Steady [ES18]. Steady-State [ES18]. Steepest [KL08]. Stencils [He21]. Step [AV91, CD14, CD15, Car18, KMN11, Sle09, Sor92]. Steps [MV18, Sle09]. Stepwise [Mim00]. Stiefel [Bry17, LWW15, Zim17, ZH22]. Stieltjes [Bas89, FGS14a, GS21, MMS94, NV94]. Stiffness [GSCS15]. Stochastic [AK90, BF11, CG98a, DGMR00, ES18, EU10, Fie95, FST+13, GDF01, HR93, MW12, PU10, PU14, Pul13, RT20, Sen98, UCS17, WSSL06, XBC22, YBZC16, Hav89]. Stoichiometry [WCB22]. Stokes [Elm97, WT11]. Stopping [ADR92, Ari13, CPTP09b, EL91]. Strang [KO05]. Strassen [BRP20]. Strategies [DP05, DP07, Kon00, RE98, Ser96]. Strategy [BF05, CD14, KS22a, PFRR17, Zha01]. Stratification [EEK99, EJK09, FGP00, GP98, Huh01]. Stratification-Enhanced [EEK99]. Strict [BD15, Zie95]. Strictly [GP06, MMS94, NV94]. Strong [ADMZ18, BS94b, Ger92, LP17, Yal00, BDV89]. Stronger [FKJM96]. Strongly [BS94a, DQV22b, Mal06, Tas15b]. Structural [ADHM19, DIKMI18, EL92]. Structure [AM23, AFPA07, BRR00, BKW22, BFZ07, BR19, Bar98, BT17, BS15, Bol90, BHR10, BJMS17, CK91, CSK95, CKM22, De 94b, Di 09, DLM04, DJK17, DS18, Gil94, Gre05, GCC09, GL10, HH93, HJP03, HLQ09, HKBM08, JN21, KC94, KO05, KK17, KT10b, KS12, KLS16, LP96, LGC08, LX06, LLK95, 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, AK21, AC20, ADC04, ANT19, BB08, BBT05, BBTK08, BE10, BST16, BM06, Bor10, BKMS14, BKMS15, BK19, Buc00, BGBM92, BGN12, BGMN15, BK06, CGCDM13, CR21, CLNW20, CTJ1, Cif21, CB90, DV07, DV08a, DV08b, Dem99, DK06, Fuh07, GR17a, GW07, GK93, Gu98b, Gu98c, GGO17, GRK17, GL10, HHS97, HH92, HH98, IUM14, J16, JK95b, KKT06, Kar10, Kar11b, KS22b, KS08, KPM09, LX09, Li99, Mac99, MMT05, MMS06a, MMT08, MVP05, MU13, PR18, MI18, MV21, Mur91, Mur93, NP99, OSS14, PS22, PO03, RV17, RRG06, RRG98, Rum03a, Rum03b, Rum15, SV97, Ste16b, sG98a, TH01, Tis01b, Tis03, VFG05, Wat92b, WD95, XCC14, XCCB14, XX16, XG10, XCG10, Xia12, XXG12, XX17, XXW07, Zh12, vdWM95, DGIM06, GIMT95]. Structures [BKMS14, BKMS15, DD07, DV06a, DV06b, EK96, FG00, FHH+19, GL93, PS22, 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 [COP20]. Subgraphs [CP20]. Subject [CG98b, VV89]. Sublinear [CD13]. Submatrices [JK95b, RS21, 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, ESS^+12, ELN22, EN08, Ern00, FGS14a, FLS20, GGLN13, GJX22, GG14, GPTPV16, GMN16, Gut14, HPZ23, HS90a, HIS18, HGL05, INRZ21, JK97, Jia22a, KMMM18, KO15, KT10b, KT11, KV14, KLV18, Leh01, Li98b, LY03, MVV92, MH13b, NZ16, RSH21, RSS09, RS02, Saa97, Saa16, SS19, Sai19, SS13, Sid95, Sim00, Sim16, SK16, TP14, Ver96, WY17, ZPW18, vdES04, Fuh88, Lag91]. Subspace-Based [AT07]. Subspaces [BD98a, BER04, BKS08, BBMX02, BT10h, BHM97, BK06, CGV03, DHW92, DIKMI18, Drm00b, DK98, DSZ14, FB95, FMX02, HIS18, Jia22b, KK14, KA07, Kre05, Li93, LW97, Men12, Miy14, PLM94, RR08, Rod05, Ste16a, SL94, Tam99, WLB05, YL16]. Substochastic [Har99]. Substructures [ST08]. Substructuring [EV06, PW90]. Successive [Eff13, GH92, MH15]. 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, OW92, WZL21]. Summations [GMN18]. Sums [FF99, FHS^+94, GTJ13, GED22, HS90, MW01]. Superdiagonal [Tam98]. Superfast [AG88a, CGS^+94, FLM12, Ste03, VHK01, XXCB14, XCG110, XG12]. Superlinear [CT99, CP03b]. Supernodal [DGL99, DEG^+99]. Supernodes [JNP21, LNP93]. Superoptimal [Tyr92]. Superresolution [ZGP10]. Supersymmetric [KR02]. Support [BGH^+06, BH03, BGH07, SW97]. Support-Graph [BGH^+06]. Supports [RS21]. Suprema [AMT90]. Surfaces [Nie10]. SVD [BYDW18, CS09, DP09, DM04, DV08c, DV08d, GSV00, GL05, GE95a, GCC18, LG16, MSC21, MVV93, YOV19, OYV22, Par05, Vac94, WLW06, Xu05, ZZ99]. SVD-Based [GCC18]. SVD-like [Xu05]. SVDs [CF02, Koe05, ZZ01]. Swarztrauber [Tsa94]. Sylvester [AT07, BMO92, CJL96a, DK15, GL16, GH07a, HM97, KP92, K^ag94, Li99, MPR18, SS13]. Sylvester-type [DK15]. Symbol [BGK^+18, BDF22, GSCS15]. Symbol-Based [BDF22]. Symbolic [EL92, GCC09, Gup02]. Symbols [BV07, HK12]. Symmetric [ADGH18, AM95, AKM97, AT98, AG92, Arg15, AFP07, AGL98, Auc91, BNW09, BBD^+14, BO96, BOCL97, Bar93a, BESS22, BLdP97, BR08, BS96, BL91, Bor14, BMV20, CNX22, Cao00a, Cao09, CD15, Cuv94, Cha00, CFJK13, CH98, CE94, CG98b, CGLM08, CDN14, CW96, DHT01, DDD20, DHZ03, DMM03, DK06, DRV21, DP05, DP07, EGTP17, EGO0, rFO06, FXG18, Fer98, FMFJ18, Fri92, Fri16, GIT96, GI00, GIK00, GOV19, GSS96, GV09, GPTPV16, GLS94, GL05, GE94, GLV10, GCC18, Hac93, HO94, HL17, HIS23, Han03, HM04a, HB94, HY01, HR00, Her96, HMH07, Hla08, HS14, HV05, IT06, IAV13, JWN18, Jia01, JLS01, JSG15, Kau93, KN91, LZ14, LF02b, LUC18, Lin19, LM03, Lu98b, MV97, MV13, Mat09, May12, Mee03, MB10, MMW17, Mef99]. Symmetric [Mel04, Men92, MSS19, Moe05, MHG15, MHG17, MRR22, NS07, NOZ11, Nie17, NY95, Not19, NV02, OW92, OW95, PM06, Ral11, RBB90, Rei02, Rob16, RS92, Rod05, RODS15, SZ07, SS10, SK20, SvdVM00, SAGS21, ST14, Tam98, TY02, TL06, Tis04,
Tre90, Tre05, Tur03, VGV09, VYH11, WZ91, Whi90, WS00, XLS16, XG10, XHC21, Ye09, Zha05, ZWF05, ZHQ16, ZS07, vDHvdV00, All89, BDV99, DK14, FGS96, GE95b, JP04, Liu88, Ove88, Tre88a.

Symmetric-Definite [Cha00, CG98b].

Symmetric-Indefinite [BBD +14].

Symmetries [FT16, RR94, VV15].

Symmetrization [ALN07, Fit19, Le 19].

Symmetrization [BBD +14].

Symmetrized [DD98, FFH +19, Pes19].

Symmetry [AM23, CCL09, EL92, HM04a, KRU14, PS22, SS06, Ste11a].

SYMMLQ [EOS19a].

Symplectic [BF00, DJ09, Fio11, GS06, GKL14, JTZ20, KS12, KLS16, LW97, Meh88].

Synchronizing [GGJ18].

Synthesis [JKN11].

System [AB16a, BFZ07, DH93, DJK17, FPST13, FGL21, FL99, JW11, KPC94, LSM22, LV10, MR97, PGVR98, RBB90, WCW10, WZZ22, Wri97].

System-Theoretic [LSM22].

Systematic [QCT16].

Systems [AIM22, AM95, ADC04, AK90, BGN03, BRR00, Bar08, BSFM10, BEBT07, BB18, BEG +09, BB12, BGG18, BG19b, BF06, BH90, BH93, BM99, BDF22, BG94, Bor03, BF05, BLNT13, BW97, BGMN92, BCW12, CT91, CP03a, Ca08, CP03b, CP06, C105b, CS98, CG03b, CG5 +08, CESC20, CCZ27, CNW08, CCH98, CH06, CFI07, CT08, CK00, CMW20, COR93, CG96, DGMR00, DTGVL05, DL03, DGSSW06, DRV21, DS16, DSZ14, DP07, ENV92, EGTP17, ES12, EG00, EG15, EL91, FLM10, FLM12, FXG18, FL19, FG15, FJ97, FY08, FNS08, FKLR13, GVV04, GL03, Ger92, GMP592, GSS96, GJX22, GLT96, GGV05, GRT07, GOR14, Gov91a, GR15, GMMN21, GTI11, GV99, Gre99, GV09, Gu98c, GAB08, GHL03, GHR95, HNRS22, Han94, HMP94, Hig90a, Hig90b, HH92, HG21, HS14].

Systems [H902, HV05, IKS91, JC22a, JC22b, Jou92, KGW00, KC09, KS08, KT10b, KT11, KXX04, Lan07, LW02a, LXXZ06, LM90, LSM22, ILNS17, LNT18, LW20b, LEMCD19, LMC22, Lu94, Lu95, Lu96, Lu98a, LH05, LT94b, MNR18, MV02, MV07a, MV07b, Mat92, Mec03, MB10, MMS16, MMW18, MV20, MV21, Mel01, Men08, Men12, MG10, MJM11, MF20, Mim15, MO20, MO23, Mor00, MR18, NRT92b, NP02, NY95, Not16, Not19, NV02, OS10, PAP00, PS05, PJM21, PR16, PV17, Pop12, Pop15, PU10, QCT17, RT93, RE13, RD95, RY05, RT20, RK95, Roh03, Rum12, STvD17, Ser96, SS91, Sha23, SvdVM00, ST14, gSS97, gS98a, SZK95, SJ92, TM18, TV09, VHK10, VD21, VKD21, Var94, Vav94, Ver96, Wal95, Wei95, XCGL10, XXG12, XW07, YP98, Yan93, Zsd20].

Systems [Zen19, ZXS21, dKV10, vdES04, vdWM95, AG88a, ADD89, Ash91, BDV89, CJL96a, CJL96b, Ch89, CH92, CH93a, Crr88, FG96, HC89a, HC89b, Sch95a, Tre88b, Win88a, Zab89, PU14].

Systolic [MV93].

T [Zha95].

T. [JWX03, KO05].

Tailored [LSM22].

Tails [AW05, ES05].

Takagi [DPP22, XQ08].

Tandem [GT02].

Tangential [DSZ14, GV04].

Task [ADV05].

Taylor [SGX14].

Technique [BJM05, CM92a, HM20, Hav89].

Techniques [DMP96, FSS21, JX20, JOAKt10, LS96, PS08, BK89].

Telescopes [Bar08].

Tensor [AJRS13, BL15, BYDW18, BBK18, BFG23, BBV19, BG19b, BLNT13, CS09, CHZ16, CLM20, CJ21, CGLM08, CDH12, De 08a, De 08b, DN08, DCM08, De 11, DW15, DK13, DD20, DD21, DGG22, DIS15, ES09, ES11, EDK16, ED22, FHL13, GQ14, GCC18, HK08, INRZ21, JK15, JZL16, JK20, KS15, KS22b, KL10, Kol01, Kol03, KM11, KM14, Krä19, KT10b, KT11, LC15b, LC16, Li16, LUC18, LGL16, LRVS13, MMD08, MV08, MSV19, MK20, MHG17, MBM08, NQZ10, NW14, Nie17, NY19, NY20, Ose10, Qi11, QXX14, QCL16, QCBZ21,
RV12, Rau02a, Rau02b, SK20, SD19, Ste10a, Ste11a, SL12, Ste13, UsC12, VD21, VKDD21, WCY15, Yan20, ZN21, ZLQ12, dSL08.


Tensors [Ano11, Asw16, AB19b, BB08, BBBT20, BPR20, CPZ11, CWY20, CS09, CK12, CO12, COV14, COV17, CGMZ21, CGLM08, CDN14, CLN14, DvDv00b, DL17a, DD13a, DD13b, DD14, DSD17, Fri16, GTH19b, Gra10, GC19, HST19, IAVD11, IA13, JWN18, KBHH13, KR02, KK17, LNSU18, LRSV13, LQ16, MHG15, MRU22, NQB14, PSS19, QXX14, QcbZ21, Rob16, Sai16, ST21, SQ13, SZH22, SD15b, VNM14, WC14, YY10, YY11, ZG01, ZQZ14, ZHQ16].

Term [BLAK91, ESS+12, GR00, VKDD21, ZZ98b, GS00b]. Terms [BLW15, De08a, De08b, DN08, De11, DD20, SD15a, SDD15, Ste10a, Ste12].

Test [OP05, vdMS05, Stu89]. Tests [MH13a].

Text [HJP03]. th [Ian09, Sni03, Ste10a, Ian06, GH06]. Their [Bar19, Bez12, Ccz97, CM03, DL17a, EK96, HL13, JlZ16, Kms01, Kms03, Lew91, LF02b, NP99, Rs96, Si03, Sx11, Ti91, AD21, HM2, HMT09, JN96, MV88, TFL11].

Theorem [AMS07, ADHM19, CLN14, GTH19a, GTH19b, HS05b, JD03, Kol03, Kra95, KH13, Lew99, LM98b, Lin11, May12, MSV19, TT99, YY10, YY11, Zhe96, Zhe98, IM95, Tis97]. Theorems [BH13, wC03, CK00]. Theoretic [Fv96, Lsm22, VdWM95, Pea88]. Theoretical [Jia22a, KBHH13, Me04]. Theoretically [TP22]. Theory [ABK+11, AH16, AHN21, BL12, BKS08, BBGF00, BH03, BG07, BM06, BcGg10, DDY14b, DM05, EEK97, EEK99, EL05, ES11, EJk09, ELN22, FS97, GPM03, GLT96, GS06, GdI08, Gt92, Gt94, KP99, KH13, KK21, LMZ03, Li98a, Li98b, Li99, LWY14, Lu05, Mai99, Mal03, Moc91, MX09, MOB97, Mor94, Not16, RT20, SKP11, SC10, SM20, gS98b, WE94, XG98, CT88, DK88, OW88, KY93]. Thick [WS00].

Thick-Restart [WS00]. Third [DD13a, DD13b, DD14, KBHH13, LGL16, QCBZ21, SD15b]. Third-Order [DD13a, DD13b, DD14, KBHH13, SD15b].

Theorems [BH13, GR00, ZZ98b, GS00b].

Three [BLAK91, BPR20, CHH+15, Cho10, DPP13, E198, GV99, Gre99, GmB12, GS00b, Gr00, Hig92, HHLW13, LRA93, LSdH20, OST08, RTE14, Sd10, Ste13, ZS08b].

Three-Dimensional [CHH+15, GV99, Gre99, HHLW13, LSdH20, OST08].

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

Three-Way [Cho10, GmB12, LRA93, Sd10, Ste13, BPR20]. Threshold [DDN20, HS14]. Tight [DT11, Sou19].

Tightening [Gar09].

Tikhonov [Gho09, GW00, Mal03, WXZ16]. Time [BGK+18, BN10, Bon00, CT91, CFL07, Cor93, Dhi98, DD12, DLM13, Har05, JOA10, KNW20, KS03, KLX04, LF02a, LGs02, LNT18, LEMCD19, Mas16, MG10, MJM11, MF20, OST08, PCh16, Psw12, RT93, Sou19, ST14, Sou04, TCTM00, VP93, BF06, LP89, Mle88].

Time-Delay [MG10, MJM11, MF20]. Time-Dependent [PSW12]. Time-Invariant [DLM13].

Time-periodic [MF20]. Time-Varying [CT91, LNT18].

Times [DA05, FI18, GN13, KN99]. TLS [Hps16, PGVR98].

Toda-Type [DrtW91, Lag91].

Toda-Type [DrtW91]. Toeplitz [Ch93a, Ikr97, AG88a, BN06b, BM05, BD90, Bm99, BLAK91, BbDS95, BDFF22, Bk95, BGKS99, BET02, BV07, BBM21, BGN12, Cap98, Cha89, CH92, CNP94, CPS00, CS8, CGS*08, CESC20, CNW08, CE94, DG91b, DG91c, DD10, DLM04, DK08a, Fkk96, FLm10, FLm12, FF+19].
FSZ14, Fri92, GKKX94, GP03, HB94, HY00, HH94, HR00, HR04, Huc92, HSC04, Ito96, JV16, JR88, KC94, KN00, KN91, KL18, KK93b, KK93a, LS04, ILN17, LH05, MV97, MV88, MP21, Mel99, Mel01, Mel04, MT00, Nav93, NSCS10, NV02, PK93, Per91, PW15, Pes19, R92, Rod06, Rog05, SK95, Ser96, Ser98, Sil03, Ste03, SH93, Swe93, Tre88a, Tre88b, Tre89, Tre90, Tre94, VH01, Var94, Vec03, VJ07, LNS17, XXC14, XXG12, ZZTA02.

Toeplitz-[Rod06].

Toeplitz-Block [KC94].

Toeplitz-Derived [KC94].

Toeplitz-Like [FLM10, LNS17, FLM12, SK95].

Toeplitz-Plus-Hankel [HR04].

Toeplitz-Plus-Tridiagonal [CESC20].

Toeplitz-Related [DLM04].

Toeplitz/Hankel [MVP05].

Tolerance [BBGL92].

Tomographic [HKBM08].

Tomography [Sal88].

Torus [Tho94].

Total [Aru92, BG11, BDSC11, BBT05, BBT06, BST16, BM00, FB94, GP93, GHO99, GTP113, HPS+11, LJW22, LPT10, MVP05, MLV00, PO03, RS06, RG05, RPG96, RPG98, VZ91, Van92, Wei92, ZMW17, VV88, VV89].

Toll [KCRU08, BB05, DB05, BG13, BF93, BK95, BG94, CESC20, CM03, CW96, DG91b, DG91c, DRSZ07, Dhi98, DL92, ES08, FR06, Fer97, Fer98, Gei91, GIT99, GKL18, Har05, Hig90a, HO92, HHH12, LS04, Meu92, Nab99, Par92, PL93, PDF16, Per91, Ple06, Tis04, VGV09, VH16, Wal95, Wil08, YP98, GE95b, Tsa94].

Triangular [BBTT06, MM09, SGX14, SH23, SY98, TMV18, ZZ01].

Transient [DJSZ07, EHW10, JJ03, LFW13, Spe98].

Transitions [DKJ17, EK96].

Transport [Lu05, MX09].

Transposition [HH88].

Tranputers [vdSBvdV93].

Traveling-Salesman-Problem [JNP21].

Tolerance [BBGL92].

Tomographic [HKBM08].

Tomography [Sal88].

Torus [Tho94].

Total [Aru92, BG11, BDSC11, BBT05, BBT06, BST16, BM00, FB94, GP93, GHO99, GTP113, HPS+11, LJW22, LPT10, MVP05, MLV00, PO03, RS06, RG05, RPG96, RPG98, VZ91, Van92, Wei92, ZMW17, VV88, VV89].

Toll [KCRU08, BB05, DB05, BG13, BF93, BK95, BG94, CESC20, CM03, CW96, DG91b, DG91c, DRSZ07, Dhi98, DL92, ES08, FR06, Fer97, Fer98, Gei91, GIT99, GKL18, Har05, Hig90a, HO92, HHH12, LS04, Meu92, Nab99, Par92, PL93, PDF16, Per91, Ple06, Tis04, VGV09, VH16, Wal95, Wil08, YP98, GE95b, Tsa94].

Triangularizable [Mae98].

Triangularization [SS98].

Triangularizations [IIM94].

Triangularizing [TZ13].

Triangular [DL92].

Triangular [BG94, CESC20, CM03, CW96, DG91b, DG91c, DRSZ07, Dhi98, DL92, ES08, FR06, Fer97, Fer98, Gei91, GIT99, GKL18, Har05, Hig90a, HO92, HHH12, LS04, Meu92, Nab99, Par92, PL93, PDF16, Per91, Ple06, Tis04, VGV09, VH16, Wal95, Wil08, YP98, GE95b, Tsa94].

Triangular-Diagonal [Tis04].

Triangularity [Bom00].

Triangularization [Cav94, GIWK95, PA10, PP11, SB05, GBCW89].

Triangulizing [BS96].

Triangulals [RL11].

Trifocal [BBTT06].

Trigonometric [AH16, BD95, KO05].

Trigonometry [EW20].

Triple [QCBZ21].

Triples [PR01].

Triplets [Drn00a, OYV22, Zha91].

Tropical [NST15].

Trumner [La95].

Truncated [BBT14, GTPI13, Le19, MM09, SGX14, SH23, SY98, TMV18, ZO01].

Truncation [DRV21].

Truncations [Mas16].

Trust [IAVD11, SW94].

Trust-Region [IAVD11].

TSC [PM06].

Tucker
[DK13, EDK16, LRSV13, OST08, Sai16].

Tukey [SKP11]. Tukey-Type [SKP11].

Tunable [FH21]. Tuples [WZ23]. Twice [HN22, LS01]. Twisted [BBM21, WL12].

Two [ABL94, Bjö94, CE94, CZ02, DGIM06, DP09, DK13, EDK16, FI18, FB95, Fie96, FNV08, GW07, GT99, GS00b, HL23, HM04b, HP02, HKP05, Ji92, JH02, Kil99, LSB16, Not16, OYBV19, OYV22, Pale11, Ple00, PV17, RJ21, Sch55b, SWYM96, Sle09, Sou19, Ste91b, SB01, SJ92, TMNV10, WA07, WT11, XZ22, YLA97, Zha10b, ZH17].

Two-Dimensional [Ji92, Kil99, Sch95b].

Two-Grid [PV17, XZ22]. Two-Level [DK13, EDK16, Not16, TMNV10, WT11, LSB16, Sou19]. Two-Parameter [DP09, HP02, HKP05, Ji92, Ple00, RJ21].

Two-Sided [CZ02, FB95, Fie96, OYBV19, OYV22, SWYM96, ZH17]. Two-Stage [SJ92, SB01]. Two-Stage-Splitting [YLA97]. Two-term [GS00b].

Two-Variable [Pai11]. Type [AIM22, BEG90, BBD11, BLAK91, BS16, DRTW91, DM05, FAT16, GR00, HP02, HKP05, Itto96, KO05, LUC18, LX06, LV17, MV08, MMS94, MSZ03, SKP11, Wall03, Wat98, WL12, ZHY16, ZK17, BL94, DK15, IM95, Kuz15, Saa06, ZH17].

Ulm [wVjBqJ11]. Ulm-like [wVjBqJ11].

Ultrametric [Fie00, MMS94, NV94]. ULV [BES05]. Unbalanced [ZYSY20].

Unbounded [CO99]. Uncertain [BOS16, EL97, SNC02]. Uncertainties [CGGS98, Wat01]. Uncertainty [BEBT07, Yan93]. Uncontrollability [BLO04, Gu00, GMO+06, Men08, Mit21]. uncontrollable [Sch05a]. Uncorrelated [CGH11]. Uncoupled [Zha93b, Hav89].


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