Title word cross-reference

\[ (1,1) \quad \text{[Cao08, Krz11]} \quad (2,2) \quad \text{[Li00]} \quad (m,k) \quad \text{[MN00]} \quad (q) \quad \text{[Jia96]} \quad + \quad \text{[LJM14]} \quad 0.822 \quad \text{[Ano09]} \quad 16 \quad \text{[KM09]} \quad 2 \quad \text{[AM96, BV13, Mar94, NBKS99, QB15, ZV14, vKVW00]} \quad 2 \times 2 \quad \text{[AB10, AB13, Cao13, Kol05]} \quad 3 \quad \text{[GKY97, LPW06, NBKS99, PM97, PR96, mMP99, vKVW00]} \quad 4 \quad \text{[MR14]} \quad A \quad \text{[CC07]} \quad A - BX \pm X \ast B^* \quad \text{[LT08]} \quad A - XB \quad \text{[Den09]} \quad \alpha \quad \text{[Tre13]} \quad AXA^* = B \quad \text{[Tia13]} \quad AXB + CYD = E \quad \text{[yPxP06, WTZD10]} \quad AXB = C \quad \text{[fLyHZ11, Miy15]} \quad \mathcal{H} \quad \text{[Gra08, LOY08]} \quad \mathcal{K} \quad \text{[Mar95]} \quad D \quad \text{[BLLA11]} \quad \text{GMRES}(k) \quad \text{[KY95]} \quad H \quad \text{[AMM04, BCGM09, Chu04, KPV08, Leb02, Sun06, ZSCX10, DMM*08, Pul09]} \quad H_1 \quad \text{[AMM04]} \quad H_j \quad \text{[LPW06]} \quad H_{\infty} \quad \text{[Ozb13]} \quad hp \quad \text{[DMM*08]} \quad \text{IDR(s)} \quad \text{[CvG11]} \quad \text{ILU} \quad \text{[CGK94]} \quad k \quad \text{[BO08]} \quad \lambda \quad \text{[FLPW01]} \quad \ell_p \quad \text{[Dax94]} \quad LU \quad \text{[KNY00, DHS95, Saa94]} \quad M \quad \text{[Bea94, BNT94, Sau95, BCC98, IP13, JZ11, Kra02, LSL01, WQZ09, XZS10, ZJ06, vN00]} \quad R \quad \text{[DN12]} \quad \mathcal{H} \quad \text{[HK02]} \quad O(N) \quad \text{[Sac05]} \quad P \quad \text{[LHL07a, Pen09, AEHV15, Beu03, BB06, GKY97, LZ09, LO13, Pul09]} \quad p \times p \times 2(p \geq 2) \quad \text{[KJ12]} \quad Q \quad \text{[Cha12]} \quad QMR \quad \text{[FH94]} \quad QR \quad \text{[ADP96, Cha12, FG02, AG95, CH94]} \quad R \quad \text{[DW15, BKMil12]} \quad s \quad \text{[CK10]} \quad S/P \quad \text{[Bea94, BNT94]} \quad S_n \quad \text{[Lee12]} \quad SSOR \quad \text{[JO94]} \quad \sum_{i=1}^{n} i(x_j) x_i = g(z_j)(j = 1, 2, \ldots, n) \]
2010 [NL09]. 2D [BCV03]. 2nd [Kap02].

3-D [BG02]. 3D [MM02, NH98].

4th [Web10a]. 4th-order [Web10a].

60th [Vas03].

70th [CLR13, Vas05].

80th [SGP14].
MC08, Not98, Not02b, OST10a, PM97, RS02, SS02, Sei10, Sha99, TC10, VY14, XZS09, ZCW11, vN00. \textbf{Algorithm}
[ARSO14, AB12, AG95, BCK05, BPS95, BCB14, BFdP13, BD15, BLP01, CD11, CC03, CP12, ER96, FG02, FO95, Gan99, Het07, JR94, JZ11, Jou94, Kap99, Kau07, KNY00, Liv04b, LYL15, MPV06, MCH01, MLV05, MVV08, MP13, OC04, Ry08, RSR10, Roh92, SW96, Shi04, SS97, SWKW98, DW15, Sto92, SHT11, TGKR10, VVM05b, Van00, Vla00, WDS09, WM12, WL08, WW07, WtFW15, ZQ12, ZZ15].

Algorithms
[GL96, AH02, AMP99, BH04, BT15, Bun92, CL96, CS96, Cao04, CQ10, CJT03, DMY03, DFZ05, FLM09, FH94, HJR97, HR05, KLN14, KR14, Kub92, Lai97, LW98, Mar98, Mat96, Pfs99, RS07, Sac05, Sha98, SCD94, SB15, VY13, XZS10, YZ13, vGSZ15].

Algorithms
[ACR]+00, AW11, AMP99. Along
[MM95].

Alternately
[BGX06].

Alternatives
[Sid97].

AMG
[LOSO4, BBM]+06, GX14, KV06, MMM06, VPS02].

AMGe
[LV08].

Among
[Par92].

analyses
[PM97].

Analysis
[BLP01, CCvG06, CG15, MS07, Mat96, SPD05, SP06, Sha98, YZ13, XYXZ13, Ztu14, Axe15, BPS15, Bat95, BBG13, BV12, Cas11, CDC12, CTP90, CICL11, CL13, CLTW11, CV13, CDW06, Don10, EM11, FM15, GX14, HJR97, HHvRo4, Lee10, LVo4, LT09, LB08, MO11, MO14, MM98, MM02, NN11, NLZ11, Not10, PV99, P999, RR12, Saa00b, Sha99, The98, WW00b, WW11, mVdV02, vRH05].

analytic
[GN00, IT05].

analystically
[SSB04].

Analyzing
[RV12].

angle
[DMY03, Lee12].

angles
[GH06].

anisotropic
[BCZ12, CG15, GHT09, Hom06, KW99, KT08, KLM14, KNP03, Sch12, XZS15, YXZ13].

anti
[MMM09, Per06, XHZ03].

anti-persymmetric
[XHZ03].

anti-reflective
[Per06].

anti-triangular
[MMPM09].

antibandwidth
[SH14].

Any
[VL11].

Applic
[SB12].

Applications
[CC03, BBR02, MBW97, AM96, BGW05, BCC98, Car97, CD11, DQW15, GKK04, Lam12, LQY13, R11, V02, BG02, CSM06, Leb02].

Appli
[NAL94, LX08, Ada04, ACR]+00, BJL92, BKP02, BF96, BFM12, CC07, CCS10, CEQN07, CNP96, CCLN05, CNY05, FJ05, FH94, HPS15, Hua12, Kub92, LH11, LQ13, LT08, LW09, LT11, LT13, LPS15, MV05, NPR13, NR14a, SKR08, WW+C15, ZZ15, NL09, Ane09].

applied
[BCK05, CH05, LMM00, LD07, Mo11, M10, ZC11].

approach
[AMM04, AN13, CICL08, DY04, DGR11, DS02, FLPV01, GW12, HPP07, H00, KV92, KBF15, LVD02, MM97, MC08, RT02, Ste99].

approaches
[KNY99, MMC12, Mav01, NH98].

appropriate
[KV96].

approximants
[BLW08].

approximation
[AEH14, AH02, BE09, BF11a, BCF03, DK15, DK95, FMP03, HK02, HPS15, IT007, KJ12, KT08, LV12, LZQ12, OST10b, PW12, SLV04, SLV06, DW15, XG10, XHZ03].

approximations
[CYZ99, DLV06, FY01, HJR97, KN07, Mor07, Mor09, Per06, R00].

arbitrary
[HR05].

architectures
[FO95].

arising
[AN03b, BGM09, BPS00, BFM12, BR07, CZ15, FP15, Gem00, HPP07, HM14, MSV13, PM97, Sei10, SMS00, TC10].

arithmetic
[DK95, GKV12].

ARMS
[SS02].

Arnoldi
[BHHJ13, GGV13, HLLL13, KR14,
WW07, WtFW15, YYN12]. arrow
[BFG95, GNQ15]. Arrowhead [Zha92].
assignment [CQX11, LC13, LW04, LW05].
associated [CCG00, IP13, MO94].
Asymptotic
[BGP97, CGK05, Tre05, Lam12]. Asymptotical [DS02].
asynchronous [Sch99].
Atmospheric [BNP15].
Augmentation [Ca08]. Augmented
[BR07, CS97, LD07, MG08, Szu14, Zit05].
Automatic [Lee10]. Augmentation [Cao08].
Augmented [BR07, CS97, LD07, MG08, Szu14, Zit05].
Austin [Lee10]. Automated [SV11].
avoid [BFG95, GNQ15]. Axelsson
[AVX99, Vas05]. Axisymmetric
[CP06].
Composite-based [RR12]. compressed [BT15]. compression [lbr02]. compressive [ZZ15]. Computation [EJK01, Mai06, Ozb13, AT00, BV00, Chu04, Hac98, MVK04, MM11, MGF02, MX03, Sid97, WLHB12]. Computational [BGM11, CCvG06, Ema12, GSK97, Mar90, SS07]. Computations [MPV06, Axe98, AC11, BP13, Ema96, OST10b]. Computed [GL95a]. computer [CZ15, DK95, GL02]. computers [JO94, MM97, TSPSO06]. Computing [BDGL09, Dax04, Lor14, MRT98, NW15, vNR07, BGW05, CJL08, CIX05, DE06, FM09, KNX01, KBF15, KR06, LZY11, MM98, MVV08, RT02, SHT11, TS12, WQZ09, WW07, YYN12, ZQ12, MGMT09]. concept [Mey94]. concerning [BM05a]. Condition [BC10, CLTW11, YDH11, BB06, BT92, BG05b, CCG00, CDW06, DW07, Dia09, DXW12, DWQW13, EHM95, LX08, LH08, LLW09, Pn08]. conditioned [MM99, NCV05]. conditioning [BDGL09, LHW11]. conditions [Per06, Sy94, XHZ03, Zt00, Zt05]. conduction [AJ94]. conformed [AMM04, BMN05, KM99, LPW06]. conic [Naz95]. conjugate [AM95, BGP97, BMSS09, BB96, CNT07, Cha07, DMY03, DR03, Hac92, Kap94, Kap02, MO94, Mey94, Not02a, PR95, DW15, WD08, We94]. Connection [MC09]. conquer [KNX01]. Conservative [ALT05a]. Consistency [FLR03]. Consistent [Rie09, DBG06]. consistently [Bea94]. constant [AM96, Liv14, Mar94]. constrained [Ada04, AN03b, DD07, DR03, ER96, GW00, HMM10, KV06, Lin12, LV08, NBKS09, PW12, PSW14, Pen08, RS10, Sto92, SW12, Vla00, XJ12]. Constraint [SL10, Ber12, Cao09, fLyHZ11, pLL07, LV07, MRT02, yPyHZ04, WBL14]. constraint-preconditioned [Ber12, WBL14]. constraints [BPS13, Dob99, Lay05, LZQ12, MD03, MS07, SW12, VFDV13]. constructing [BFdP13, KKNY01, NY03]. construction [BC09, WWC15]. constructions [YNP04]. contact [Ada04, Hla99, IV04, NO04, ZV14]. Continue [DF01, CWS07, CC03]. continuous [Cas11, SSB15]. continuous-time [Cas11]. continuously [Vos09]. contrast [AY11]. control [BLP08, BFP10, BO13, Dat01, KK13, LC13, LW05, MSS07, MP13, PSW14, ROA13, SW12, VFDV13, ZHJL12]. controllers [Ozb13]. convection [BR99, FY97, HK12, KXXZ03, RSCTP15, XG10, ZYFG11, vRH05]. convection-diffusion [BR99, FY97, KXXZ03, ZYFG11, vRH05]. Convergence [BBG13, CL96, CP99, LT09, LB08, MD03, MM98, NH98, SH99, ZSCX10, Zit05, AJ94, BPS15, BS01, BGP97, BR99, BMSS09, BL08, BV05, C202, Che02, CIFT03, CK14, DS08, FVZ05, GR09, GD11, GX14, JK09, J094, Kap94, Kap05, KP06, L00, L12, MRT96, MC08, PS95, PR09, Pul08, RV12, SLV13, Sy94, VL11, ZW10, ZQ12, Zt00, vE02]. convergent [CQ10, GT09, Sol14]. convex [Car97, LM04, Shi02, Shi04]. core [BH04, Mor07]. core-functions [Mor07]. corner [BLZ08]. corrected [BKM12, MZ15]. correction [CS02, CRV14, GS99, NV08a, NFD10]. corrections [QXB09]. corrector [HM14]. corrector-type [HM14]. corresponding [AT00]. Corrigendum [HS14]. cosine [ROA13]. Coupled [LNP12, GLOW04, HMS99, LP01, TSPS06]. coupling [FS09, HPPS03]. couplings [Yot01]. covolume [CC06]. crack [CKW02, LW09]. criteria [Bid15, Pei07, Sol13]. Cross [OST10b]. Crout [May05, May07]. Crouzeix [KMS08, SSB04, Zhi14]. Crouzeix-Velte [SSB04]. cubic [HLLW05]. curl [CP06, KVP08, ZSCX10]. current [Bai12].
curvature \[\text{KRW08}\]. curvature-based \[\text{KRW08}\]. curvilinear \[\text{PSK08}\]. cycle \[\text{BLZ08}, \text{GT09}, \text{Lai97}, \text{NN10}, \text{Not98}, \text{VL11}\]. cycle-convergence \[\text{VL11}\]. cycles \[\text{NV08b}, \text{TGKR10}, \text{VL11}, \text{ZM08}\]. cyclic \[\text{MR14}\]. cyclically \[\text{GH11}\]. cylindrical \[\text{HG00}\]. Czech \[\text{FM99}\]. Czech-US \[\text{FM99}\].

D \[\text{GKY97}, \text{AM96}, \text{BV13}, \text{BG02}, \text{LPW06}, \text{Mar94}, \text{NBKS99}, \text{PM97}, \text{PR96}, \text{QB15}, \text{ZV14}, \text{mMP99}, \text{vKVW00}\]. damped \[\text{BC09}\]. damping \[\text{BTT13}\]. data \[\text{Bau08}, \text{BF11a}, \text{BFdP13}, \text{BH04}, \text{DQW15}, \text{NLZ11}, \text{PDV05}, \text{Ric09}\]. data-sparse \[\text{Bau08}, \text{BF11a}\]. Datta \[\text{CLR13}\]. Davidson \[\text{GS99}, \text{HLW05}, \text{MSV13}, \text{Not02a}, \text{Zho06}, \text{vNR07}, \text{vdE02}\]. DCT \[\text{CSCTP05}\]. DD \[\text{AB13}, \text{Cao13}, \text{AB10}\]. deblurring \[\text{Don05}\]. decision \[\text{Buc11}, \text{CEQN07}\]. Decomposition \[\text{CGK94}, \text{AN03a}, \text{AN07}, \text{AFK02}, \text{BP01}, \text{Bla04}, \text{BPS04}, \text{CS06}, \text{Car97}, \text{CGM01}, \text{CL13}, \text{CMT03}, \text{EM95}, \text{FLP90}, \text{FGNW14}, \text{GVT03}, \text{GB05}, \text{Gus03}, \text{HLM92}, \text{HC05}, \text{Ibr02}, \text{JM10}, \text{KV92}, \text{Kap98}, \text{Kap02}, \text{Kem12}, \text{KMMR10}, \text{Kho96}, \text{KN14}, \text{KNP03}, \text{LR95}, \text{LV99}, \text{LT09}, \text{LHW11}, \text{LT11}, \text{LT13}, \text{LMM00}, \text{MD03}, \text{MM02}, \text{NR14b}, \text{PY03}, \text{Sau95}, \text{TPSP06}, \text{WQ07}, \text{YL08}, \text{Zhu08}\].

deconvolutions \[\text{BF06}, \text{BLW08}, \text{LS06}, \text{SBS04}\].

decoupling \[\text{MV05}\]. Decoupling \[\text{LVW01}\]. Dedicated \[\text{SGP14}, \text{CLR13}\]. Dedication \[\text{NN15}\]. defect \[\text{NFD10}\].
defective \[\text{FS14}\]. deficient \[\text{DE98}, \text{GS97}\].
definite \[\text{ARMW14}, \text{AT05a}, \text{AV94}, \text{BT03}, \text{DJO9}, \text{Ema12}, \text{Kap08}, \text{KH07}, \text{Kol05}, \text{LHL07b}, \text{MV08}, \text{yPES07}, \text{SB12}, \text{WW08b}\].
definiteness \[\text{P13}\]. definition \[\text{VVM05c}\].

deflated \[\text{CS07}, \text{MN00}\].

DEFLATED-GMRES \[\text{MN00}\]. deflation \[\text{NV08a}, \text{SLV13}\]. degenerate \[\text{BMM06}, \text{Sto92}\]. degree \[\text{DS10}, \text{Gus04b}\].
delay \[\text{DGRR11}, \text{JLW05}, \text{LC13}, \text{MSV13}\]. delay-differential \[\text{MSV13}\]. denoising \[\text{LNP12}, \text{ZZ15}\]. denoising/deblurring \[\text{LNP12}\]. dense \[\text{CDGmM04}, \text{DS10}, \text{GTY97}, \text{KN07}, \text{KBF15}, \text{Ver00}\]. density \[\text{NY03}, \text{OST10b}\]. dependency \[\text{RV12}\].
dependent \[\text{CNT07}, \text{CRV14}, \text{GS05}, \text{HG00}, \text{KPT14}, \text{Mai06}, \text{MV13}, \text{RV08}, \text{Sha98}, \text{ZYFG11}, \text{vKVW00}\]. depending \[\text{Vos09}\].
derivative \[\text{LY15}\]. derivatives \[\text{AT00}, \text{Xie11}\]. derived \[\text{BDV06}\]. deriving \[\text{Mey94}\].
descent \[\text{De 13}, \text{NZ14}, \text{Shi02}, \text{Shi04}\]. design \[\text{AG99}, \text{BCK05}, \text{MC08}, \text{SMSW00}\].
designing \[\text{RS07}\]. designs \[\text{LVW05}\].
determinantal \[\text{CC07}\]. developments \[\text{SS07}\]. deviation \[\text{CCvG06}\]. device \[\text{GMR05}\]. Diagonal \[\text{SZ99}, \text{ACR}^{+00}, \text{BKR14}, \text{EW13}, \text{EM11}, \text{Fas05}, \text{FS09}, \text{HN05}, \text{HS05}, \text{KKM12}, \text{MCH01}, \text{Par03}, \text{PS00}, \text{TS12}, \text{ZZ15}\].
diagonal-plus-semiseparable \[\text{Fas05}\].

Dia
gonally \[\text{AK94}, \text{Yon96}, \text{MRT08}, \text{RT02}\].
diameter \[\text{Par03}\]. difference \[\text{AJ94}, \text{FY01}, \text{Fer96}, \text{Gem00}, \text{PR11}, \text{SCD94}, \text{Web10a}\].
different \[\text{Tre05}\]. differentiable \[\text{Est09}\].
differential \[\text{BKR11}, \text{BKR14}, \text{Bot13}, \text{JLW05}, \text{LH08}, \text{LWH11}, \text{LM03}, \text{MW11}, \text{MSV13}, \text{MM11}, \text{PS08}, \text{Rak99}, \text{RB08}, \text{SW12}, \text{TC10}, \text{ZCW11}, \text{Zhu14}\].
differential-algebraic \[\text{ZCW11}\].
diffusion \[\text{BC03}, \text{BR99}, \text{CCK06}, \text{CG15}, \text{FY01}, \text{Gan99}, \text{KZX03}, \text{KR08}, \text{KP10}, \text{LPS15}, \text{Max01}, \text{OC04}, \text{RSCTP15}, \text{Sch12}, \text{WWB04}, \text{XG10}, \text{YXZ13}, \text{ZYFG11}, \text{vRH05}\].
diffusion-\[\text{KR08}\]. digraphs \[\text{THC09}\].
dimension \[\text{BTT13}, \text{KCS11}, \text{vGZ15}\].
dimensional \[\text{AALS01}, \text{CGPV13}, \text{DY04}, \text{KT08}, \text{NLZ11}, \text{OZB13}, \text{Rja98}, \text{XSS09}\].
dimensionality \[\text{YZ13}\].
dimensions \[\text{XZS15}, \text{YZ13}\].

direct \[\text{Dam08}, \text{JZ11}, \text{JZ06}, \text{BLP01}, \text{CNY05}, \text{CS95}, \text{ES09a}, \text{GMRV05}, \text{HS05}, \text{MRT02}, \text{SW96}, \text{TPSP06}\].
direction \[\text{BB96}, \text{DBG06}, \text{XJ12}\].
directions \[\text{DS13b}, \text{ZS08}\]. Dirichlet \[\text{Rja98}\].
disaggregation \[\text{Pul08}, \text{PM11}\].
discontinuous
discrepancy [BC02].  
discrete [BKP02, BBS12, DLVZ06, EWY03, HHvR04, 
KT08, Wan00, WBWM04, vRh05].  
discrete-difference [Web10a].  
discretization [BCR11, BS01, CGM11, 
DP03, HHvR04, HK12, Lay05, LPV01, 
LOY08, UMO09, Zhu14].  
discretizations [AT15, BCR14, BBS12, EGF11, 
GHO15, Lee12, LOS04, MW11, Osw95, RS02, 
SSB04, Web10a].  
discarded [GS07, KS04, MNCT07, vRH05].  
discriminant [NLZ11].  
discs [Peñ07].  
disordered [Sac05].  
displacement [Bla94, WN05, Bla02, KM99].  
displaying [EJK01].  
distance [DFNY08, FS14, NR11].  
distance-two [DFNY08].  
distortion [BG02].  
distributed [FO95, JO94].  
distribution [AFSCSU14, Ber12, BF11b, 
Cao09, DHSW11, GR05, SSB15, WBL14].  
Distributive [GGLO08, GLOW04].  
div [AMM04, CP06, GGL08].  
divergence [MRT02].  
divide [KNX01].  
description [Kub92].  
does [NN10].  
Domain [CGK94, Car97, HLM92, KNP03, RVW98, 
Zhu08, AFK02, BPS13, CS96, CGM01, 
FLP00, GVT03, Guse03, HKKP07, JM10, 
Kho96, LR95, LV99, LT09, LMM00, MD03, 
PY03, PR11, RT99].  
domains [Dah02, DS02, HKH+06, KM92].  
Dominant [Yon96, MRT98, RT02, ZQLX13].  
dominated [AMM04, CP06, HP97, RSCTP15].  
dominating [GGL08].  
double [QB15].  
double-layer [QB15].  
doubling [GB11, LYL15, MP13].  
doubly [GHR98].  
Downwind [HP97].  
DQGMRES [SW96].  
Dr [KVW10].  
Drazin [WL03].  
DRIC [Not94].  
drangings [PM97].  
dual [DH04, FLP00, GH01, HP04, Saa94, Sto92].  
dual-dual [GH01].  
dual-primal [FLP00].  
Duffin [LWW09].  
Dydxstra [ER96].  
dynamic [Not94].  
Dynamical [Bat95].  
dynamically [MN00].  
dynamics [Ema12].  
eddy [Bai12].  
edge [Dah02, RS02, ZSCX10].  
Editorial [Axe96, Axe99, Axe03, Axe04, 
Lan97, NT03, Saa00a, Yav04, Mar00, NT04].  
effect [BS01, LW04].  
Effective [HL08, LLW09].  
Effects [CJT03].  
Efficiency [DMM*08, CNT07, KN99, Tur00].  
Efficiency-based [DMM*08].  
Efficient [BVO0, BC03, FJP12, Gem00, HPS15, 
Huc98, LV99, Poi00, VP95, WWX10, 
mP99, BKS94, CP12, EFG11, HS13, 
KBF15, KR14, LR08, OOO11, yP06, 
RGG07, TSPSO06, WTZD10, XZS15].  
eigCG [ARSO14].  
eigendata [BC09].  
eigenfrequencies [BTT13].  
eigenpairs [MPV06].  
eigenparameter [Vos09].  
eigenproblem [BGP97, FT98, Not02a, XHZ03].  
eigenproblems [Bas00, BPS00, BFS95, DS13b, FLPW01, 
FJP12, KCS11, Ney02, TY10, Vos09, vDE02].  
eigensolver [BMM*08].  
eigenspaces [Zit05].  
Eigenvalue [AN06, AB13, Cao13, KY95, LV04, Peñ09, 
AFCSU14, AG99, AB10, Bai95, Ber12, 
CQX11, CCvG06, CS02, DL07, Dia09, 
EKS02, HKST12, HS08, HLL13, HLLW05, 
LLL97, LLK14, Liv04b, LY15, M1111, 
MV08, Mee01, MVS13, MZ98, PP95, 
SJBH14, Sim03, Sot13, WQZ09, WBL14, 
YLH11, ZQ12, ZQLX13, ZQW13].  
eigenvalues [AT00, BWN05, CSYS14, 
HHQ13, KSC05, KCV09, KCV12, LFH15, 
LS05, LQY13, Mai06, MM11, SHT11, XC13].  
eigenvector [W98].  
eigenvectors [AT00, Mai06].  
elastic [Hon06].  
elasticity [AM96, AALS01, Axe99, BKY10, BLE97, 
Bl9a4, BC12, GLGR10, GL98, GL02, GL13, 
KK02, KS04, Mar94, Mar98, Pad99, Rja98, 
XSZ09, XS11, XZS15].  
elastoplastic [MBW97].  
elastoplasticity [MM97].  
electrical [MC04].  
electrodynamics
[KMMR10]. electromagnetic [WDS09].
electromagnetism [CDG00, CDGM04].
electron [OST10b].

[LV12, AK99, AMM04, BBR03, BMN05, 
BC12, CVZ99, CKW02, CGL05, DMM+08,
Dob99, EGF11, EWY03, GLGR10, HH06,
HS13, HK12, IV04, KMMR10, KR11, KS04,
KV06, Kra06, KLM14, Lai97, LV08, LR95,
LMM00, LPW06, PY03, PS00, PR95, RS02,
Rja98, RSCTP15, SGP14, SSB15, The98,
 Vas92, VI96, Vas02, WBWM04, XS09,
XS11, ZYFG11, ZSCX10]. elements

[BB00, GL13, HHvR04, Lee10, Osw95,
Pul09, RS02, ZHJL12]. elimination

[GIK02, Gro00, IK00, Pe~n03, Reu96].

Elliptic [CGK94, AV94, BBP03, BBS12,
BCZ12, CC92, CW97, CS02, CGL05,
CEL+96, DLVZ06, Dob99, DHR+04, DP03,
ELV94, EWY03, GN00, HKST12, KW99,
KR06, KT08, KMS08, KLM14, KM92,
LPV01, LW03, MRT02, MS07, MM11,
Ney02, RKB09, RT99, Sta96, VI96, Wan00,
ZSCX10, Zhu08, Zhu14]. Embedded

[GNR14]. embedding [FLPW01, RVW98].

EMC [Ver00]. enables [MC08]. enclosure

[Miy15, OOO11]. energetic [Lee12].

Energy [VSG09, BBM+06, KV06, Lee12,
MD03, SWY07]. energy-based [BBM+06].

Energy-minimizing [VSG09]. Engine

[RSR10]. Engineering

[LD08, NL09, WW08a, CEQN07, Ano08]. entries

[EW13, Par03]. envelope [BPS95].

Environment [ADP96, CEQ07, TT10].
environmental [MS07]. equalities

[CP06]. equality [DR03, LV98].
equidistantly [Rie09]. equilateral

[RSCTP15]. equilibrium [DSH11].
equispaced [FP05]. Equivalence [Szy94].
efficiency [FRI1]. Error

[BBG13]. Error [BNP15, GR04, Baz08, BT92, DXW12,
LX08, Ney02, SZ11]. estimations [CD11].
estimator [MVK04]. estimators

[AM96, MMN+10]. Euler [Cor04, NFD10].

European [Rag14]. Evaluating [BB01].
evaluations [KS10]. even [Not05a, XC13].
evolution [BBG13]. Ewing [LPQ06]. exact

[Bot13, DK95]. expansion

[DS02, MS07, RR12, ROA13]. expansions

[Tre05]. experience [BGM11].

Experimental [RR12]. experiments

[ABK97, GL02]. Explicit [Lam12].

Exponential

[PDV05, BV00, BCV03, DQW15, LLS12,
Mor07, PS11, Rag14, WtFW15]. expressions

[LT08, Not05a]. extended

[KS10, ZHZ10]. Extending [ARSO14].

Extension [BBP02, BBR03]. extensions

[Sun06]. exterior [GH01].
[SPD05, SP06]. extraction [LNY15].
extrama [LT08, Vla00]. extreme [HHQ13, LFH15].

**F.E.M.** [AM96]. Faber [Nov03]. factor [Ano09, Cha12, DM10, GIK02, IK00, KM09].
factored [KKNY01]. factoring [BG96, BT03, Bla94, CGG00, CGK05, Cha12, DH95, FG02, GN00, KNY00, KM92, OS01, RTN03, Saa94, SK01, QX09, ZHJL12].
factorizations [AMMP06, Bea94, CCS10, CH94, CV03, GNO15, MS14, mMvdV02, mMM04].

**Factorized** [KNY99, NY03]. factors [Bea94, BF11a, WL08]. family [AEHV14, AEHV15, GGZ12, LZ09, LS12, MCL01, MLV05, MY15, STZ12, XCG10, vKV00, DS10, FER96, JR94, KHO96, LEC10, MRT02, MVV08, RA99, RSR10, SOL14, SKR08, RR12].

**Fast** [BO13, Cao04, DMTY11, DQW15, FGT11, FP05, FS09, LLS12, LPS15, MS14, MCH01, MLV05, MY15, STZ12, XCG10, vKV00, DS10, Fer96, JR94, Kho96, Lee10, MRT02, MVV08, Rak99, RSR10, Sol14, SKR08, RR12].

**Fault** [NO04]. fault-zone [NO04].

**FDFD** [PR11]. FE [GKY97, PM97]. feasible [AW11].

feedback [DGRR11, LW05].

**FEM** [AB10, AB13, Beu03, BB06, Cao13, FS09, HPPS03, HMS99, KM99, Mar94].

**FEM-BEM** [HPPS03]. FEM/BEM [HMS99].

**FETI** [DH04]. FFT [ZV14].

**Fictitious** [HKKP07, RT99]. field [KMMR10]. fields [HPS15]. filter [RGG07].

filtering [AN03a, AN07, BPSH13, FGNW14, LNY15].

**Filtering** [EW13, HHQ13, RPR10, ROH92].

**Finer** [Vom12]. finer-grain [Vom12]. finger [ISZ09].

Finite [D099, KMMR10, AK99, AMM04, BBP03, BB00, BMN05, BC12, CY99, CKW02, CGL05, DMM+08, EGF11, EWY03, FY01, Fer96, GLGR10, GL13, HH06, HK12, KR11, Kra06, KLM14, Lai97, LR95, Lee10, LMM00, LPW06, Os95, PY03, PS00, Pr11, Pul99, RS02, R SCTP15, SGP14, SSB15, The98, Vaa92, VL96, WBM04, XZ09, X011, ZYFG11, ZSCX10]. finite-difference [PR11].

**FIR** [RS07]. First [KLM+06, BGM+12, GH98, Hm96, KNN01, LYY15, MMN+10].

First-order [KLM+06, BGM+12, Hm96, MMN+10]. fit [BDK+15]. fitting [DQW15, PDV05]. fixed [BG05a, Bir15]. fixed-point [Bir15].

Flexible [ZHJL12, vGSS15].

**Flow** [BLLA11, HG00, HK12, KR11, KRW08, Lay05, LV04, Ma00, MT96, Tr00, Web10b, Web10a, Yot01, vKV00, LD08].

**Fluid** [BLLA11, Ema12, HG00, Ma00, MT96, SV11, Web10b, Web10a].

**Fluid-solid** [SV11]. FOM [GR99]. Form [Zha92, AB10, AB13, BCB14, BO08, BWN05, BBG13, Cao13, GS07, GNO15, Han13, KKNY01, LG12, MMM09, vNR07].

**Formal** [Tre05]. format [BG13, Gra08].

**Formats** [DK15, HKST12].

**Function** [CDDSC12, GGZ12, KS10, LZ09, Par03, PSS01, TR05, XZS10].

**Functional**
functionals [AMM04]. functions [CKW02, CLC11, CJL08, DK95, Est09, MN05, Mor07, Mor09, MP14, Naz95, Xie11].

fundamental [ZYL13]. Further [MMN+10, Saa00b]. fuzzy [CEQN07].

Galerkin [BBS12, CGM11, DLVZ06, HHvR04, KT08, LPV01, NSCTP05, SG14, WTGW14, vRH05]. games [AD12]. gauge [KMMR10]. Gauss [HP97, KLN99, LO13, Pe~n03, Sun06].

Gaussian [GIK02, IK00, Reu96]. Gay [Adi08]. General [JK09, AN13, BCB14, BCGM09, CS96, Kap98, KS15, Lor14, SZ99, SS02, ZW10].


generation [BG02, Gar01, Gar04, LM06, MS07]. geometric [BS10, Cho03, Gar04, HS11, HS14, LJM14, XS909, ZMO10].

geometric-based [XSZ09]. geometries [HKH+06, PSDK08]. Gerschgorin [LHLS07, Pei07]. Gerschgorin-type [LHLs07]. Gersgorin [KCV09].

Gersgorin-type [KCV09]. GES [BMM+08]. GES-SA [BMM+08]. gigaflops [Tur00].


Globally [CQ10]. GMRES [BR07, BE98, CZ02, De 13, DS08, DN12, GR99, Jon94, MN00, Sid11, Sim99, SWKW98, VL11, WZ94, ZM08, Zit00, Zit05, vV94].

GMRES-type [BR07]. GMRESR [vV94].

GPCG [Bla02]. GPCG-generalized [Bla02]. grad [GGLO08]. grade [TI05].

graded [BLZ08, BCS09]. gradient [AM95, BGP97, BMSS09, CNT07, Cha07, DMY03, DR03, Fac02, Kap94, Kap02, MO94, Mey94, PR95, SZ11, DW15, WD08, Wei94].

gradient-like [Mey94]. gradients [Not02a].

grain [Vom12]. Gram [Daz04, LBG13, LL17, Van00, WL08].

graph [KXZ03]. graphs [EJK01, VZ14].

greedy [BT15]. Grid [GVT03, Alb06, A07, BG02, CGPV13, CSCTP05, CG15, CRV14, Don10, ELV94, FVZ05, Fer96, GKK04, Gar04, GMS06, GHO15, KV96, MC08, NV08a, NN10, NH98, Not10, RSR10, RR12, ZSWX13]. grids [BH04, Bla03, ELV94, Gar01, GLGR10, LPW06, Mtt10, OCYM08, YXZ13, ZMO10].

group [WN05]. growth [GIK02, IK00, KM09, WL08]. GSOR [HES15].

Guest [Mar00]. h [Cha07, HMS99]. h-optimally [Cha07]. h-p [HMS99]. Hadamard [KM09].

Hamiltonian [AIT05a, AIT05b]. hand [ARSO14, ARMW14]. handy [Adi08].

Hankel [DQW15, KN07, OS01, SLV06, SB03].

Hankel-like [OS01]. hardback [Nab97].

Harmonic [HS08, MZ98, Bai12, GR99, GS07, Kho96, LGS12, Vom10, ZSWX13].


Hermitian [LT13, SB12, BGN07, CPS01, CSYS14, DBG06, Fas05, HM03, HSCTP05, Kol05, KKR14, LHL07b, LC05, Mee01, NC05, WD08, Wu15, ZW10, vdE02].

Hermitian-type [LT13]. Hessenberg [CGK05, Gen00, Ste95]. heterogeneous [BBS12, CGPV13, KP10, KN03, NH06].

heuristics [SH14]. Hierarchical [BH04, SGP14, BH07, BM13, CV03, EGF11, LO13, Pul09, WW07]. hierarchically [XCGL10, Xia12]. hierarchies [Alb06, DHR+04, EJK01].

High [Kap98,
AY11, AEHV14, AEHV15, GKY97, Lam12, NLZ11, NY03, SWKW98, SSB15, TSPSO06).

high-contrast [AY11]. high-dimensional [NLZ11]. high-order [AEHV14, AEHV15, GKY97, Lam12, SSB15, TSPSO06].

high-quality [NY03]. Higham [GIK02].

higher [GHW06, GL13, WQ07, XSZ09, XS11]. higher-order [GHW06, WQ07, XSZ09].

highly [BKP02, GVT03, Wan00]. hill [SH14]. homotopic [CCvG06].


HSS [Bai09, GD11]. HSS-like [Bai09]. Hurwitz [KSB13]. hybrid [BH04, CNY05, Lai97, LJM14, RTN03, Yan04]. hybridized [GT09]. hyper [CH05]. hyper-power [CH05]. hyperbolic [BBG13, JO01]. hyperellipsoids [BDK+15]. hypergraph [LQY13, XC13].


ill-posed [CLT11, DNR12, Est99, NR14b]. ILU [AMMP06, May05, May07, SZ99].

ILUCP [May05]. ILUT [Bas00, Saa94]. ILUT/ILDLT [Bas00]. image [BC02, CNSY05, Don05, GHW06, HHM10, Hom06, Per06, SKR08]. images [BNT94].

imaging [BNP15]. IMMB [Axe99]. impact [Ano99]. Implementation [AK99, BIS14, BM05a, DMY03]. Implicit [FP95a, BGX06, Bai12, BM05a, BD15, Che15, ISZ09, LVW01, MC04, PBN05, VVM05b, ZS08, mMvD02]. Imposing [Szu14]. Improved [ARMW14, Cor04, J094, BVV12, CGPV13, LV12, Sun06].

improvement [WL03]. Improvements [BB06]. Improving [BKY10, GKV12]. inclusion [LHLS07, LMK14, THCO9].

Incomplete [Jia96, BT03, Bla94, CCS10, GNQ15, Gro00, JO94, Kap02, KNY00, RTN03, Reu96, Saa94, SW96, Sau95, ZHJL12, mMvD02, mM04, GKY97].

incompressible [BKP02, HK12, LV04, Os99, Tur00, Web10b, Web10a, vKVW00]. increasing [DMY03]. increasing-angle [DMY03].

Incremental [CCS10, BT92]. indefinite [BRT07, CL96, CK01, CS95, CRV14, Krz11, LT09, Liv14, PS00, SL10, Vas92].

Indefinitely [DR03, LV98]. independence [DS08]. independent [CJL08, KPV06].

indirect [BLP01]. induced [Lay05, vGSZ15]. industry [mM04]. inequalities [AM96, CPSM06]. inequality [AALS01, Bla03, DGR11, DH04, DR03, EM95, Mar94]. Inexact [ABK97, HD07, Sid11, Bir15, CQ10, FK15, GB11, HLM92, KK02, KPV06, LLL07, LV98, Sin03, WtFW15]. infimum [Chu04].

infinite [Özb13]. Information [Ano12a, Ano12b, Ano12c, Ano12d, Ano12e, Ano12f, Ano13a, Ano13b, Ano13c, Ano13d, Ano14b, Ano14f, Ano15a, Ano15b, Ano15c, Ano15e, Ano14a, Ano14c, Ano14d, BF96, FJ05, Ano14e, Ano15d]. initial [Nov03, PBN05, VL11]. initializing [BMM+08]. inner [Gus04a, Mey94, MGF+02, Xia12].

Innovative [BDRS12]. integer [CP12].

integrable [SHT11]. integral [AFCSU14, MM09]. integration [LLS12, MC09]. integrators [Ber01, LJ04, Mor07, Rag14]. intensity [GKV12]. inter [MC08]. inter-grid [MC08].

interaction [SV11]. interchanges [EM11]. Interface [Wan00, JM10, Yot01, ZYL13].

Interior [LMV04, BMM06, BCS09, BPS13, HP04]. Interior-point [LMV04]. internal [HKH*06]. International [NL09].
Interpolating [MN05]. interpolation [BKY10, DFNY08, Gan05, HM03, KV06, LY15, MMPR10, Rie09, Vla00, Web10b, Yan10]. Interpreting [CPSM06]. interval [KSB13, Roh92, YLH11]. intervals [LHLS07, THC09]. Introducing [MS07]. invariant [AG95, DF01, MK94, YL08]. Inverse [LC05, NR14a, Tre13, AEHV14, BF11a, BM13, BPS00, BFG95, BFM12, CC07, DL97, DW07, DWWQ13, EW13, EKS02, Egg07, EHM95, FGT11, FK15, Han13, ISZ09, JZ09, KKNY01, Kho96, KN09, KKMM12, LLL97, pLL07, LW09, LZY11, MV13, MGF+02, NY03, yPyHZ04, Sol14, Sot13, TS12, WL03, XHZ03, Zho06, Ney05]. inverses [Cor04, Gus03, Huc98, LXW13, WN05]. inversion [BO13, KK02, LPS15]. invertibility [Den09]. involving [DWWQ13]. IOM [Jia96]. ion [TC10]. IPARS [LVW01]. IRAM [Xie11]. IRAM-based [Xie11]. Irreversible [BL03]. ISBN [Nab97]. isolation [EKS02]. isometric [Gar01, Gar02]. isospectrally [VW15]. Issue [Ano08, Ano12a, Ano12b, Ano12c, Ano12d, Ano12e, Ano12f, Ano13a, Ano13b, Ano13c, Ano13d, Ano14a, Ano14b, Ano14c, Ano14d, Ano14e, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, LD08, CLR13, Dat01, Fai06, WV01, Vas05, Axe99]. issues [BM05a]. iterated [AN03a]. iterates [DS13b]. iteration [AT15, AN94, BGM06, Bia10, Bia12, BZ13, BM13, CH05, Che15, Egg07, FK15, GB11, GH01, HML09, Kra02, KKR14, LLL97, Lam12, LS15, PS15, wX15, Zho06, ZS08, Ney05]. iterations [BGN07, BG05a, GGZ12, HN05, Kap05, KLN99, LZ09, Lin12, Lu05, NZ14, Saa00b, Sch99, vDE02]. Iterative [AT00, BF11b, CGK94, DBG06, GMR05, LPV01, NZ14, PM97, AEHV14, AEHV15, AK00, Ber01, BR99, CH05, CK01, CK10, EL94, FM99, GTY97, Gus97, HG00, HES15, HM14, LFQ08, Lec03, LSL01, LZY11, LM14, MM98, NO04, Ols99, yPyX06, PR96, PR11, PUL08, PM11, Sol14, Sun06, Szy94, WDS09, WTZD10, WW11, ZW10, Axe99]. IV [KN09]. Ivo [SGP14].


Kalman [BPSH13]. kernel [HK02, MN05]. kind [MM09]. KKT [BGM09]. Kronecker [CHe15, DWWQ13, EJK01, KN07, LS04, Per06, XG10]. Krylov [HS14, OC04, AFSCSU14, BPSH13, Bot13, BD15, C97, CQ10, CK10, Dam08, DK95, Emar12, Fas05, HS11, IT05, KS10, Mor07, MP14, NV08b, PPv95, Rag14, RLG12, RV12, Sid97, SS07, Yot01]. Krylov-accelerated [Em012]. Krylov-based [NV08b]. Kutta [Che15].

L [Nab97, CZ02, ZMO10]. L-shaped [ZMO10]. L. [JK09]. Lagrange [Cor04]. Lagrangian [GM08]. Lagrangians [LD07]. Lamé [BKP02]. Lanczos [ARSO14, CWS97, CQ03, FG02, FJ05, Lam12, LW98, Mee01, Mor09, PV99, PS11, Par92, Sim03]. Lanczos-type [CWS97, FG02]. Laplace [QB15, SLV13]. Laplacian [CV13, UMO09, XC13]. Laplacians [BO08]. Large [Ben08, Jia96, WV01, AG99, Axe98, Bar02, BCB14, BLP08, BES14, BV00, BG00, BG05b, BHHJ13, CLR01, CR05, DMY03, Dux94, DNR12, DR03, EW13, FJP12, GTY97, Gra08, GR04, JZ09, KBF15, LLL97,
LV98, MZ98, Sid11, WDS09, Xie11, vGSZ15. Large-Scale [VW01, Ben08, Bar02, BCB14, BLP08, BES14, DMY03, Gra08, GR04]. large-size [FJP12]. largest [VW01, Ben08, Bar02, BCB14, BLP08, BES14, DMY03, Gra08, GR04]. latency [RTN03]. layer [QB15, RV12]. layered [BDM+14]. Lazaro [Vas03]. LDL [mM04]. learning [SZ11]. Least [CYZ99, pL07, Tia13, AB00, AK99, BDLG09, Bar02, BMM06, BGM09, BGM11, BGM+12, CNP96, CTP09, CP12, CP06, Dax94, DE98, DW07, DWWQ13, ES07, ES09a, ER96, FB95, GW00, GR05, KLM+06, LVD02, LZ12, LL97, MMN+10, MVK04, MLV05, Miy15, Pen08, Ren98, RLG12, Sto92, WKS95, WWC+15, ZHZ10]. Least-rank [Tia13]. Least-squares [CYZ99, pL07, Tia13, AB00, AK99, BDLG09, Bar02, BMM06, BGM09, BGM11, CTP09, CP06, DW07, ES07, ES09a, ER96, LVD02, Pen08, ZHZ10]. Least [VW01, Ben08, Bar02, BCB14, BLP08, BES14, DMY03, Gra08, GR04]. learning [SZ11]. Least-squares [CYZ99, pL07, Tia13, AB00, AK99, BDLG09, Bar02, BMM06, BGM09, BGM11, CTP09, CP06, DW07, ES07, ES09a, ER96, LVD02, Pen08, ZHZ10]. Left [WD08]. lemma [Gus04a, Mar95]. length [BDK+15]. Level [SH14, CGM01, CS02, CRV14, DLVZ06, GVT03, HH06, HHvR04, KM99, KV96, NCV05, OC04, S299, SP06, SV11, VSG09, XZS10, YXZ13, Zik08, vRH05]. Level-based [SH14]. level-dependent [CRV14]. Levinson [Bun92]. life [KVW10]. like [Bai09, BMM06, Lee10, Mey94, OS01, PRP109, mMP99]. likelihood [ES05]. limit [LY15]. limiting [DS13b]. line [BDK+15, DMY03, MM95]. Linear [NLA94, Ano09, IT507, Jia96, Nal97, ZQ12, ARS014, ARMW14, Ada04, AW11, ACR+00, AIT05b, JNL92, AMP99, AK00, AN03b, BDLG09, BPS15, Bai10, BCR11, BZ13, BCR14, BKY10, BG13, Bas00, BLE97, BLB08, FBPS0, Ber01, BWN05, Bla02, BvdV00, Bot13, BC12, BFM12, BMO06, CS09, CS11, CDGM04, CPSM06, CSCTP05, CGL05, CC03, CK01, CK14, DGB+13, Dat01, DGD99, DGGRR11, DW07, DWWQ13, DNR12, DJ09, DN12, FGT11, FP15, FS09, Gem00, GM11, GSS01, GY08, GT97, GS05, GW00, GL98, GL02, GL13, HHvR04, HES15, HSCTP05, JZ09, Jov94, JO94, KK02, KPVP06, KS04, KFB15, Kra02, KS15, KKR14, LX08, LHL07b, LT09, LC13, LL97, LV98, LMV04, Mar00, MCH01, MV05, May01, MP13, Mey94, MC04, Naz95, NQ96, NLZ11, Nov03]. linear [OC04, Obz13, Pad99, PBN05, PM97, PT14, RGG07, RT99, SZ99, SS02, SB12, SS07, SMSW00, Sto92, Sun05, SL10, Szu14, TT10, VFDV13, VW01, WKS95, WD08, WM12, Wu15, XZS09, XZ11, XZS15, wX15, YDH11, ZW10, vGSZ15]. linear-constrained [XJ12]. linear-quadratic [BLP08]. Linearization [LZ12]. linearizations [KR14]. linearized [BGX06, NFD10]. linearly [Bl94, LVD02, Sto92]. Lipschitzian [DS02]. load [WLH12]. Local [CGM01, CV13, ELV94, MO11, BS01, Don10, Kra06, MMN+10, MM95, Pul08]. Localization [KVC12]. localizations [KCV09]. locally [BB00, KR11]. locations [BB97]. logarithm [Lor14]. Long [Kem12, Yan10]. long-range [Yan10]. Long-time [Kem12]. look [LYL15]. loosely [TSP00]. Low [AN07, Bau08, BF96, CH94, DFZ05, AT15, BE09, Gra08, HC05, KPT14, KS15, NY03, QX09, SLV04, SLV06, Tyr92]. Low-complexity [DFZ05]. low-density [NY03]. Low-rank [BF96, CH94, AT15, BE09, Gra08, HC05, KPT14, KS15, QX09]. lower [Apb06, SPD05, SP06]. LQ [BG00]. LQ-Schur [BG00]. LSQR [RY08]. LTI [ZS08]. LU [CCS10]. Lyapunov [BL08]. M [KVW10]. maintaining [Par92]. making [CEQR07]. manifolds [MK94, SZ11]. Manteuffel [Lee10]. manufacturing [CNY05]. mapping [BG02]. mappings [Gar02]. maps [MK94]. Marek [SGP14]. Markov [AD11, BLA11, Ben11, BK11,
Markov-modulated [BLA11].
Markovian [BMP11].
mass [EKS02].
master [DK15]. matching [BCZ12, KXZ03]. matchings [HS15].
material [LNP12].
mathematician [Voe92].
Matlab [Bra02].
Matrices [Yon96, AFSCSU14, AIT05a, AN94, AN06, AB10, AN13, AB13, Axe15, BPS95, BP13, BNT94, BH07, BF11a, BM13, BT03, BV00, Ber12, BWN05, BG05a, BFG95, BG05b, BFM12, BCC98, BCGM09, BM05b, BM06, CS96, Caoo, Caoo, Caoo, Ca13, CDSC12, CCLN05, CGK05, CX05, Dia09, DS10, Don10, DNR12, DS13a, Dos99, ES09b, Est09, FLR03, FG02, Fas05, FP95a, GIK02, GS97, GR04, HH06, HR05, HS15, Hua12, HC05, IK00, JR94, Kau07, KN07, Kol05, Kra02, Kra06, Leb02, LVD02, LSL01, LS05, LS06, LHL07a, pLL07, Mai06, MM08, MM09, Mat96, MCC+12, MN05, NR11, NPR13, OS01, Pei09, yPhHZ04, Poio0, Sei10, SJBH14, SS97, SB03, Sol14, Stim06, Tren05, VVM05a, VP95, VVM05b, VVM05c, VW15, Vas92, WBL14, XCG10, XHZ03, YHL11, ZH10].
matrices [vN00, Nab97].
Matrix [AB00, AG95, AC11, Bm92, GTX97, Not05a, YNP04, Zha92, FS14, AH02, AEHV15, AD11, Bai10, BE09, BFdP13, BB01, Ben08, BG05, BG05a, BG00, BHHJ13, CCG00, CH03, CLC11, CSYS14, DBG06, DGRR11, DK95, EW13, EM95, EHM95, ER96, FLPP01, GHR98, GGZ12, Gra08, HK02, HM03, IP13, Ibr02, JZ11, KV2, Kap98, Kap99, KNX01, KH07, KS10, KM09, KR14, KPT14, KS15, LZ09, LOY08, fLxHZ11, pLL07, LT08, LT11, Lor14, LPS15, MVV08, MSS07, MRT98, Miiy15, Mor99, MP14, OOO11, PS11, yPxP06, yPES07, Rja98, Roh92, San95, Sha98, Ste99, SHT11, TS12, TT10, TH09, Tia13, TY10, Vas02, WW08b, WTZD10, WtFW15, XJ12, Xie11, XQ09, wX15, YDH11, ZJ06].
matrix-dependent [Sha98]. Matrix-free [GT97, YNP04, AD11, TT10].
matrix-valued [Xie11]. max [BDK+15].
max-length-vector [BDK+15].
maximization [SH14]. Maximum [BCHT04, Gar02, ES05].
Maximum-weight-basis [BCHT04].
Maxwell [GS07, LGS12, MV13, ZSWX13].
McCormick [Lee10]. mean [KNX01].
means [MS14]. measure [BG02].
media [BKP02, CGPV13, KP10, NH06, WWX10, Yot01]. Median [LYN15].
Memory [KR14, FO95, JO94].
Memory-efficient [KR14]. Mesh [KPV06, BC10, BGM+12, DHR+04, DS08, KPV08].
Mesh-independent [KPV06]. meshes [BB00, BLZ08, BCS09, HMS99, KR11, KV96, MAV01, RSCTP15, SRGL13, XZS15].
meshfree [LOY08, LOS04]. Meshing [HKH+06].
Method [Jia96, ABBP10, AK99, AN94, AM95, AFK02, BC09, BG13, BM06, BES14, BS01, Bb02, Bot13, BHHJ13, BMS09, BCZ12, BC12, BCS09, BPS13, CKW02, C20, CNT07, CQX11, Cha07, CGL05, CH05, CG15, CNY05, Cho03, C001, CP06, CK14, DL97, DMY03, Dux94, DJ09, DS13b, DR03, EKS02, ES09a, EWY03, FLP00, Fer96, GHT09, GS09, GT09, GD11, Hac92, HPP07, HES15, Hüm06, HD07, HHQ13, HLL13, JMF10, Kap94, Kem12, KY95, KKN0, KW09, KXZ03, KPV06, KR11, KS10, Kra02, KTO8, KPT14, KM92, LFH15, LV08, LPV01, Lio0, LT09, LB08, LS15, Liv14, LJ14, LMM00, LV98, LVM04, MZ15, MO94, MM98, MRT96, Mee01, MSV13, MW20, MBW97, Mit10, MP14, MN00, NQ06, NR14b, Not94, PS11, PS95, yPxF06, PR95, PR96, PR11].
method [Rak99, RS01, RS02, RV12, Reu96, RT99, ROA13, Sha99, Sim03, Sun06, TS12, WD08, WQZ09, WBWM04, WTZD10,
Wu15, XSZ09, XJ12, XZS15, Xie11, XQ09, YYN12, YYZ13, ZYFG11, ZYL13, Zf15, ZM10, vNR07, vRH05. **Methods**

[Ano08, CGK94, LD08, NL09, VW01, WW08a, ARW14, AM96, Ada04, AD12, AEH14, AEH15, AMMP06, AK94, AV94, Axe98, Axe99, AK00, AN03b, Axe15, BR07, BGN06, Bai09, Bai10, Bai12, BDRS12, BZ13, BCR14, BP13, BLP97, Baz08, BGM11, BK11, BGP97, BR99, BGW05, BDV06, BCS09, BM05a, CEQN07, CS09, CS11, CGM01, CS02, CSCTP05, CEL96, Che02, CCK06, Che15, CWS97, CK10, Dam08, DMTY11, Den12, Den14, DBG06, Dob99, EZ96, EM11, ELV94, Fal06, Fal10, rFS09, FM99, FM15, FP95b, GB11, GLGR10, GVT03, GM95, GVV13, GM06, Gus97, GL95b, HS11, HS14, HP04, HLLW05, IV04, JS96, KMMR10, KP00, KCS11, KLM14, KS15, KKR14, Lee10, Le12, Li00, LSL01, LHL07b, LLW09, LNY15, LZY11, LMM00, MMC12, MMMM09, Mar00, MG08, MPS96].

**methods**

[MZ98, NBKS99, NSCTP05, Not05b, Not10, PN05, PY03, PRP10, Pul08, PM11, Rag14, SRGL13, SB12, SK01, SWY07, Sei10, Sid11, SS07, SGP14, Sta96, Szy94, VSG09, VZ08, Wei94, Wie99, wX15, ZW10, ZSCX10, ZSWX13, Zik08, vV94, Fal08, GL02]. **MILU** [WH94]. **Mindlin** [CY99]. **minimal** [BGX06, CF05, JR94, MRT96, SW96, Sta96].

**Minimization**

[EHM95, CDG00, Car97, DMY03, DFZ05, Het07, KV06, MD03, NZ14, XJ12]. **Minimizing** [CV91, AM04, VSG09]. **Minimum** [GH01, DE98, DBG06, DS10, Gus03, HMS99, Kap05, Miy15, Saa00b]. **minmax** [Vos09]. **MinRes** [KK13]. **mirror** [BCK05]. **Mixed**

[DXW12, AB10, AB13, BBG13, Ca013, CEL96, CCK06, GH01, GT09, GS07, Lai97, LPV01, LGS12, PY03, PS00, RVW98, VJ96, WBWM04, Web10b, YZ13]. **mixed-order** [Web10b]. **mode** [STZ12]. **Model**

[Lay05, Sha99, BLLA11, FLPW01, Gus98, KNP03, MV13, XG10, ZS08]. **model-order** [MV13]. **modeling** [FH94, WWX10].

**modelling** [Gar04, GMR95, NH06, SWY07]. **Models** [CEQN07, Bai12, BL03, BV13, Buc11, DSHW11, GB15, LNP12, PGT14, QB09, TC10]. **modern** [MM97]. **Modifiable** [BE09]. **modification** [CSYS14]. **Modified** [LHL07b, wX15, Bea94, CS95, DJ09, Kap02, KP06, NR14b, Sm06, WL08, ZZ15, SB12]. **Modifying** [Alb06]. **Modular** [BC02]. **modulated** [BLLA11]. **Modulus** [Bai10, BZ13, DJ09, wX15]. **Modulus-based** [Bai10, BZ13, wX15]. **moment** [GHR98, VFV13]. **Moments** [BFM12]. **Monotone** [IV04, ZZ15]. **monotonic** [LD07]. **monotonicity** [Mar95]. **Moore** [DW07, DWQ13, KKMM12, LWX13]. **Moreau** [PSW14]. **mortar** [DP03, PY03]. **MRRR** [MP06]. **MSMAOR** [CK14]. **Multi** [NH06, BCK05, CS02, Lee12, PDV05, SB99, SV11, TC10, ZHJL12, vGS15]. **multi-channel** [PDV05]. **multi-energetic** [Lee12]. **multi-ion** [TC10]. **multi-level** [CS02, SB99, SV11]. **multi-mirror** [BCK05]. **multi-parameters** [ZHJL12]. **Multi-scale** [NH06]. **multi-shift** [vGS15]. **multidimensional** [BBKY06]. **Multifrontal** [ADP96]. **Multigrid** [AD12, BB00, BCS09, BBKY06, Den12, Den14, Fal08, Fal10, GLGR10, KRW08, Mav01, SRGL13, Wie99, WTWG14, ZV14, Ada04, Ay11, BKY10, BLE97, BBS12, BQ08, BH04, BISC14, BDV06, BLZ08, BMM+08, BV12, BM+12, BDM+14, BS10, Cho03, DY04, DFN08, Don05, Don10, DHR+04, EZ96, Ema12, Fal06, FM15, GLOW04, GGL08, GHT09, GKV12, GT09, Gra08, GM06, BH10, Het07, H0m06, IV04, KXX03, KR11, KR06, Le12, LOS04, Liv04b, Liv14, LJM14, LD07, MO11, MMC12, MO14, MP10, MWZ06, MBW97, MC08, MM97].
Mit10, NN11, NSCTP05, Not05b, NV08b, OST10a, Pf99, RS02, RV12, Ren96, RBV08, Sha98, SKR08, SSB15, TGKR10, TC10, TY10, UMO09, VZ08, VY14, Wan00, Web10b, Web10a, XZS09, XZS15, YW12, Zhu14, ZMO10, vRH05.

Multigrid [DM10]. multigrid-based [UMO09]. Multilevel [AT15, CEL+96, CV03, Osw95, Sta96, AM96, AMM04, AN94, AV94, BMN05, BCZ12, CL96, DMTY11, Kra02, Kra06, KTM08, KLM14, KP10, Lai97, LSS03, LM06, MM95, May07, Not98, Not02b, Not05b, Pad99, SS02, Sha99, SLV13, The98, Yot01, vN00].


Multisecant [rFS09]. multisensors [CNSY05]. Multisplitting [RLG12, AMP99, BZ13, CS09, CS11, JS96, LSL01, Ren98].

Multistep [BCC98, CP99, FP95b]. mutivariate [LZQ12, MKP04].

Nath [CLR13]. Navier [AB12, CA99, HFW01, LMM00, Ols99].

near [CNY05, Ver00]. near-circulant-block [CNY05].

near-singularity [Ver00]. nearby [FS14]. nearest [GHR98, MRT98, NW15].


neutral [ZCW11]. neutron [Cha07, CMG11]. Newton [ABB10, AMMP06, ABK97, AFK02, BC09, BMM06, CQ10, DL97, DS13b, GB11, GKK04, GD11, HP04, KP06, LB08, Lu05, LV98, NQ96, OC04, Sch99, Vla00, Yot01, ZZ15, Zhao06].

Newton-like [BMM06]. Newton-type [ABB10, Vla00]. NLA [Axe10, Vas05]. nodal [BDV06]. nodes [FP05]. noisy [BC09]. Non [AMP99, VW01, BMM06, Bla02, BMN05, CL96, Cao04, Car97, CGM01, CPS01, CGL05, CK01, CIX05, D02, EZ96, FP05, GB11, GM11, GVT03, HKP07, HSCTP05, KP06, KM99, Kra02, LVD02, LHL07b, Lu05, LMM00, LV98, LMV04, Mav01, MZ98, MC04, NQ96, OC04, RT99, SB12, Sei10, WD08, vN00].

non-conforming [BMN05, KM99].

non-convex [LMV04]. non-equispaced [FP05]. non-Hermitian [SB12, CPS01, HSCTP05, LHL07b, WD08].

Non-linear [VW01, Bla02, CGL05, KV06, Kra02, LV98, LMV04, Mav01, MC04, NQ96, OC04, RT99]. non-linearly [LVD02]. non-Lipschitzian [DS02]. non-negative [BMM06, CFx05]. non-overlapping [CGM01, GVT03, LMM00].

non-smooth [Car97]. Non-stationary [AMP99, LMM00].

non-symmetric [Bla02, CL96, CA99, Cao04, CR01, EZ96, GB11, GM11, HKP07, Lu05, MZ98, Sei10, vN00].

nonaligned [YXZ13]. Nonequivalence [FLPW01]. Nonlinear [Gra08, AMM06, AC11, BRT07, De13, DGR11, rFS09, GD11, MV13, MSV13, Naz95, yPES07, SCD04, Vos09, XZS10, ZZ15].

nonlinearly [DW15]. nonnegative [BGX06, BMM09, BGM11, CQZ13, Sot13, WWC+15, ZQ12, ZQX13, ZQW13].

Nonnormality [Baz08]. nonlinearly [Hua12]. nonsingularity [Pen07].

nonsmooth [Che02, CQ10].

Nonsymmetric [CGK04, YW12, ARS04, Bai95, BGM09, Ema12, HM14, IP13, Jou94, LW07, LB08, Mey94, Not10, SJBH14, Sta96, SL10, Vas92, WTVW14]. nonzero [ZHJL12].

norm [CDG00, Dux94, DE98, DBG06, EM95, EHM95, Gar02, Miy15, XJ12, YL08].

Normal [Gus04b, SZ11, LS05]. normality
norms [SB03]. normwise [DW07, FT98]. Notch [RS07]. Norms [NR11]. Normwise [SB03]. Null [ITS07]. Null-space [Sim03]. Nullspace [Sim03]. Nullspace-free [Sim03]. Nuclear [XJ12]. Null [ITS07]. Null-space [Sim03]. Nullspace [Sim03]. Numbers [BG05b, CCG00, CLTW11, CDW06, DW07, Dia09, DXW12, DWWQ13, Liv14, YDH11]. Numer [SB12]. Numerical [NLA94, Ano08, Ano09, BL08, Ben11, CH03, CA99, GS05, HHM10, HJR97, fLyHZ11, Bai95, BDRS12, BK02, At95, BGM11, Ber01, BDS94, CQX11, CJW06, Cor04, CJT03, Dat01, DS02, GY08, HPS15, L104, LH08, LH09, LHW11, LGS12, Lin12, MM09, MP13, OCYM08, Os09, Özb13, SHT11, Tur00, Mar00].


parabolic \cite{AT15, JM10, KK13}. Parallel \cite{AO07, AMMP06, Bas00, BLE97, BGM+12, BS10, GR05, GL96, KR11, LSL01, LGS12, NO04, RT99, The98, Voe92, WH94, ZYFG11, ACR+00, AMP99, BPS00, BvdV00, CS09, CS11, CJT03, DFNY08, FJP12, FM99, GMR05, GS01, GMOS06, GL98, GL02, GL13, Hac92, HS05, JO94, KK02, Kuz92, LW01, LSS03, MM97, MBW97, MC04, MR14, Pad99, PR95, PR96, Rak99, Ren98, Sid97, TSPSO06, Van00, WLBH12, mMvdV02, mM04}. parallelism \cite{Vom12}. parallelizable \cite{GL95b}. parameter \cite{AK99, GNR14, GS05, KPT14, MSV13, Not02b}. parameter-dependent \cite{GS05, KPT14}. parameter-free \cite{Not02b}. parameterized \cite{CCvG06}. parameters \cite{Bai09, BNP15, GHO15, Mai06, Yan04, ZHJL12}. parametrization \cite{Hua12}. Parlett \cite{EM95}. pARMS \cite{LS03}. Part \cite{GL98, GL02, GL13}. Partial \cite{LW04, LW05, BGP97, CQX11, LH08, LHW11, LW03, MW11, MM11, Not02a, Rak99, RBV08, SW12, TC10, Zhu14, vNR07}. partially \cite{DD07, WQZ09}. particle \cite{Sei10}. partition \cite{BDV06}. partitioned \cite{AB10, AB13, Cao13, Poi00}. partitioning \cite{CJT03}. partitionings \cite{GKY97}. past \cite{Axe10}. pathology \cite{PM11}. pattern \cite{CDG00, ISZ09}. PDE \cite{BDM+14, GHW06, Lin12, PW12, RS10}. PDE-based \cite{GHW06}. PDE-constrained \cite{Lin12, PW12, RS10}. PDEs \cite{AT15, Hem96, Hoom06, MO11, VSG09, VZ08, ZM00}. Peaceman \cite{LR95}. PEERS \cite{KS04}. penalized \cite{BPS13, Dos99}. penalties \cite{MG08}. penalty \cite{BCS09, BPS13, DH04, Lai97, Psw14}. BEM \cite{HMS99}. deburring \cite{LNP12}. disaggregation \cite{MM98}. ILDLT \cite{Bas00}. pencil \cite{LW05}. pencils \cite{BB01}. Penrose \cite{DW07, DWWQ13, KXMM12, LXW13}. Performance \cite{BT15, Sei10, MM04, Alb06, BE98, MO14}. periodic \cite{KK13, Var08}. periodicity \cite{BDS94}. permanents \cite{WLBH12}. permittivity \cite{PR11}. permutation \cite{May07}. Perron \cite{ES09b, KN01, LCN13, NX03}. perspective \cite{OST10a}. persymmetric \cite{XHZ09}. Perturbation \cite{Cas11, CLC11, GW00, WW08b, YL08, TP09, Cha12, CPT11, FT98, JY05, LS05, LS06, LCN13, O'H14, WKS95, WL03, YDH11}. perturbations \cite{AIT05a, AIT05b, LXW13}. perturbed \cite{Sau95}. Petrov \cite{CGM11}. phase \cite{DY04, HS13, NH06}. phylogenetic \cite{BL03}. physics \cite{TC10}. physics-oriented \cite{TC10}. Physiology \cite{PM11}. Piecewise \cite{HM96}. pinch \cite{LPW06}. pinch-outs \cite{LPW06}. pipes \cite{HG00}. pivoted \cite{HC05}. pivoting \cite{BM05b, BM06, EM11, May05, May07}. placement \cite{Dod11}. planar \cite{GLR10}. plane \cite{BLE97, Ypm95}. planewise \cite{MM09}. planewise-like \cite{MP09}. plants \cite{Ozb13}. plasticity \cite{ABK97, Car97, HJR97, Wie99}. plate \cite{AY11, CYZ99}. player \cite{AD12}. Plemmons \cite{NN15}. plus \cite{Fast05, HN05, KN07, MCH01}. point \cite{AN06, Axe15, Bai09, Bai12, BMM06, Ber12, BG05a, Bir15, Cao04, Cao8, Cao9, CZZ11, CH03, HP04, HD07, KP00, KKR14, Krz11, KXMM12, LOY08, LOS04, LW07, LMV04, MZ15, P13, SJBH14, VL96, WBL14}. point-type \cite{Cao08}. points \cite{HM96}. Poisson \cite{AK01, CJL08, Dah02, RSR10, TSPSO06}. polar \cite{CCG00, LS06, RT02, YL08}. Pole \cite{Dod11, LC13, LW04, LW05}. poles \cite{Mee01}. policy \cite{BLLA11}. polyhedral \cite{Dah02}. polynomial \cite{Gao05, GKV12, HM96, HS08, LW98}. polynomials \cite{BB97, BGW05, BG05a, KR14, MO94, MN05, Nov03}. population \cite{DHSW11}. poroelasticity \cite{GLOW04}. porous \cite{OH06, WWX10, Yot01}. posed
positive  [ARMW14, AIT05a, AV94, BP13, BT03, CS09, CS11, DJ09, Kap98, Kol05, LHL07b, MVV08, PS11, yPES07, P 13, SB12, WW08b].

positive-definite  [DJ09, Kol05, LHL07b, MVV08, SB12].

positivity  [KSB13].

possible  [VL11].

Post  [KLN99].

Post-processing  [KLN99].

posteriori  [AM96, BLP01, Pul09, Ney02].

potential  [Kho96, MRT96, Shi02, Shi04].

potential-reduction  [Shi04].

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1000$

[Ano08].

power  [CEQN07, CH05, DS13b, GGV13, JZ09, WW07].

practical  [DGB +13, Kap99, WQZ09, WM12].

Prandtl  [Wie99].

Prandtl-Reuss  [Wie99].

Preconditioned  

Preconditioning  

Preencryption  

presentation  [EJK01].

preserving  [Wan00].

pressure  [Lay05, vKVW00].

pricing  [LLS12, Rag14].

Primal  [HP04, RT02, FLP00].

Primal-dual  [HP04].

principal  [GH06].

principle  [BC02, Vos09].

principles  [Gar4].

priori  [HM96].

PRISM  [Axe98].

Prize  [Ano08].

probabilistic  [WWC +15].

probabilities  [NX03].

probability  [LCN13, MM98].

probing  [TS12].

problem  [AH02, AK99, Bai95, BDK +15, BFPS10, CZ15, Car97, CPSM06, CGL05, CG15, CJT03, DL97, DWQ13, Dsd11, Eso07, ES09a, ER96, GKK04, Gu98, Hbh10, Ha99, HS08, IV04, KV06, KV07, KNP03, LLL07, LVL15, LD07, MV13, MRT96, MV05, Me01, Ob99, OC04, yPyHZ04, Ren98, RSR10, Rja98, RT99, Sau95, SH14, Sim03, Sot13, VFdV13, Vla00, WKS95, XZS10, ZJ06, ZYFG11, ZYL13, ZV +14].

Problems  [CGK94, GL96, Ada04, AB00, AW11, AIM05b, AG99, AV94, Axe98, AN03b, BBP03, Bai09, Bai10, Bai12, BZ13, BKY10, BKP02, Bar02, BLE97, BBS12, BMM06, BGM09, BGM11, BLP08, BC03, Bla94, BC02, BBG13, BdV00, BRT07, BO13, BMD +14, CL96, CNT07, CQX11, CGP13, CRS05, CEQ07, Cao04, CQ11, Ccv06, CC92, CNP96, CW97, CS02, CTP09, CEL +96, CCK06, CWS97, CC03, CLTW11, CP12, CV13, CRV14, CK14, Dax94, DE98, DW07, Dia09, DNR12, DJ09, DHR +04,
DP03, DR03, Egg07, EGF11, ELV94, EWY03, FY01, FGT11, Gar04, GGLO08, GH01, GHT09, GVTO03, GGZ12, GL08, GL02, GL13, HP97, HKST12, HJR97, Han13, HS13, HD07, HLLL13, HLLW05, JZ11, JM10, KK02, KR11, KP00, KK13, KR06, KT08, KMS08, KLM14, Krz11, KM92, LLL97, LR95.

problems [Lay05, LPV01, LV99, LW07, Lin12, LZ12, Liv04b, LL97, LV98, MZ15, MMM09, MS07, Mar00, Mar98, MRT02, MSS07, May01, MSV13, MP13, MM97, MBW97, MM02, MZ98, NR14a, NR14b, Nov03, OS10, Pad99, PBN05, PSW14, Pen08, RR12, ROA13, Shi02, Shi04, SV11, Sta96, Sto92, Tre13, VL96, Ver00, Wan00, WWC15, XG10, XZS15, wX15, ZZ15, ZHZ10, ZSCX10, mMP99, mM04, VW01].

Procedure [IDVV96, JZ09, LR95].

processes [AD11, BL03, Buc11, DGB13, NH06].

processing [Dat01, KLN99, SKR08].

Procrustes [CZ15, KH07].

products [Che15, DQW15, Mat96, Mey94].

Professor [SGP14].

properties [DMY03, EZ96, ES09b, YLH11].

proposal [NCV05].

properties [BFdP13, pseudo-overlap [mMvdV02]. Pseudospectra [VV15]. PSF [BNP15].

published [Ano09]. pure [KM99].

purely [BF11a]. Python [BISC14].

QLP [HC05]. QR [CGK05, Fas05, VVM05b].

quadratic [BLP08, BG05a, BMP11, CQX11, CCvG06, DD07, DR03, EGF11, HLLL13, KLM14, LC13, LW05, LZQ12, LY15, MP13, QXB09, Ste99, XZS15]. quality [BC10, Kap98, NY03].

quantum [KMRR10]. Quasi [RSCTP15, Gar01, Gar02, HMS99, LY15, MN05, SW96, ZZ15].

quasi-isometric [Gar01, Gar02].

quasi-kernel [MN05]. quasi-minimal [SW96]. quasi-Newton [ZZ15].

Quasi-optimal [RSCTP15]. quasi-uniform [HMS99].

question [JK09]. queueing [BLLA11].

quotient [FK15, Het07, NZ14, PS95, Zho06].

Radim [Cao13]. radiosity [Leb02].

radix [MR14], radix- [MR14].

random [HPS15, LW98]. range [CJW06, Yn10, ZW10]. range-Hermitian [ZW10].

rank- [DW15]. rank-1 [KJ12, WQ07].

Rank-deficient [GS97, DE98]. rank-one [CSYS14, O'H14].

ranks [LT08, STZ12].

Rapid [LO13]. rarely [BG05b]. rate [BS01, CHT03, MRT96, RV12, Zik08]. rates [Li00].

Rational [Fas05, Mor09, Rag14, Mee01, Mor07, Tre05].

Raviart [KMS08, LV12, Zhua14]. ray [Liv04b]. Rayleigh [FK15, Het07, HS08, NZ14, PS95, Zho06].

Raytcho [Vas03]. RBFs [FP15]. RD [Mor07]. RD-rational [Mor07].

reaction
Real [AK00, Bra02, CHV05, GHR98, MSV13, Sot13, vNR07].
realizability [Sot13]. realizable [CfX05].
realization [Baz08, PR96]. reciprocals [Vöm10]. reconstruction [CNSY05].
rectangular [BS01, LS06, Osw95, Pul09]. Recursive [FLM09, NV08b, LSS03, Not05a, NA97, SS02]. recycling [RLG12]. red [NA97]. red-black [NA97]. reduced [ES05, GH11, KN14, VW15]. reduced-rank [ES05]. reducible [BCR14]. Reducing [VY14, Zha92]. reduction [AK94, BPS95, BTT13, Lay05, LO13, MMM06, MV13, MR14, PV99, Shi02, Shi04, VP95, YZ13, ZS08, vGSZ15].
reduction-based [MMM06]. reductions [KNX01]. refined [BB00, HS08, KR11]. Refinement [GL5a, BS01, BGM +12, DMM +08, ELV94, MMN +10, MMM95, Mit10, VW11].
Refining [Pei07]. reflective [Per06]. regenerative [AD11]. Regions [PS95, Naz95]. registration [GHW06, HHM10, Höm06]. regression [ES05]. regular [CLC11, FG02, FT98]. regularity [Dah02]. Regularization [BGM09, IDV96, BCB14, CRS05, CLTW11, Don05, DNR12, GNR14, LHW11].
regularized [ES07, ES09a, FGT11, MLV05, RLG12]. regularizer [KRW08]. Reissner [CY99]. related [AK94, GGZ12, Li00, Mor09]. relations [Tia13]. relationships [Tre05].
Relaxation [BKM +12, Dax94, FP95b, Gran99, LZQ12, Liv04a, PB05, Yan04]. Relaxation-corrected [BKM +12]. Reliable [Ber01, Hla99]. remarks [LS06, Mar95]. reorthogonalization [Van00]. Repairing [Ver00]. repeated [AT00]. repetitive [DGB +13].
RIC [Not94]. Riccati [BGX06, BLP08, GB11, GL95a, Gra08, HM14, IP13, LB08, LS15, Lu05, Var08]. Richard [LPQ06]. Riemannian [FJ05]. right [ARSO14, ARMW14, Lin12]. right-hand [ARSO14, ARMW14]. rising [KNY99]. Ritz [GR99, HS08, Vöm10].
RLSL [BLP01]. Robert [NN15]. Robust [AY11, BMN05, KSB13, KW99, KLM14, MM12, Not02b, AMM04, BT03, CDG00, KK01, Lee10, SZ99, Xia12, XS11, vN00].

SA [BMM +08, GX14]. saddle [AN06, Axe15, Bai09, Bai12, Ber12, Cao04, Cao08, Ca09, CZZ11, CH03, HD07, KP00, KKR14, Krr11, KKMM12, LOY08, LOS04, LW07, MZ15, P 13, SJBH14, VL96, WBL14]. saddle-point [Bai09, Bai12, KKR14, KKMM12, LOY08, VL96]. same [GHR98]. sample [DXW12]. sampled [Rie09]. sampling [AFSCSU14, FGT11]. SANs [LS04]. SAXPY [Ymp95]. Scalable [DH04, FLP00, Liv14]. Scale [VW01, Axe98, Bar02, BCB14, Ben08, BLP08, BES14].

[22]
DMY03, Gra08, GR04, NH06. scaled [CTP09]. scaling [BBKY06, GH015, HS15].
scoating [FG11, MV13, WDS09].
Scheme [Zha92, BS01, CRV14, GB11, GSS01, GMOS06, LLS12, Poi00, RR12].
schemes [AIT05b, AJ94, Bir15, DE06, Gus03, HM14, OCYM08]. Schmidt
[Dar04, LBG13, LL97, Van00, WL08].
Schrödinger [CJL08]. Schur [BG00, BCK05, BG05a, Bra02, BCGM09, BD15, 
Bun92, HKKP07, KSB13, KW99, Kra06, LW03, MMMM09, PW12, Rak99, SGP14, 
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[Mar98]. semi-definite
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[CH05, LJ14]. semi-monotonic [LD07].
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