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Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA
Tel: +1 801 581 5254
FAX: +1 801 581 4148
E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org (Internet)
WWW URL: http://www.math.utah.edu/~beebe/

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**Title word cross-reference**

\((m, ℓ)\) [Fuj02]. \((q, h)\) [GS15b]. \((r + 1)^{st}\) [ZZW97]. \(0 < \theta < 1\) [TM05]. 1
\[\text{EP15, HWCF15, KD13, KKR15, LW07, Now96, SS00, Vej10}.\] 1s [CPD+05]. 2
\[\text{AG05a, Ant13, AC96, BF15, Cau08, CCM02, Fou00, Gon06, HGP11, HHR12, LPR00b, Mur99b, RZ00, Sch02, TCCW89, VA05, WBCK02}.\] 3
\[\text{Ant13, ASC03, BV94, BS08, HW15, HZ12, Jay95, Kal96, KLSW06, Mai06, NBTGV11, NRR06, Ost93, PSP05, PPC00, Ran15, Sha98, Ste97, TYKK01b, WSC09, YH00, Zha09}.\] 4
\[\text{EHM01, Ran15}.\] 6(5) [CV95]. 7 [AB15]. 7(6) [CV95]. 8 [PPS05]. 9(8) [Tsi01]. 90
\[\text{EST15}.\] \([H^{-1}, L^2, L^2] \) [KLY05]. \(\infty\) [Hua98].

\(m\) [BE99]. 1 [Kan04]. \(2_F2\) [JJ15]. \(3_F2\) [JJ15].
\(q\) [Bec02]. A [GPHAM12, SCvdH92, ZZW97, BC59a, Cha96, ST89]. \(Ax = b\) [Cui95]. B
\[\text{HCX03, AFK92, FSU89}.\] \(\beta\) [AFS00, Sus10].
\(C^0\) [LHC09]. \(C^1\) [Ber86, RL86]. \(C^4\) [Ver93].
\(C_1\) [Arc06]. \(H_2\) [FG13]. \(\cos(z)\) [VC10].
\(\cos \pi/2x^2\) [Coh90]. \(d\)
\[\text{DM97, LL02, MdR05, PSP04b}.\] \(\delta\) [XZL07].
\(\ell_1\) [CXZ14]. \(\epsilon\) [Tan87, FR01, GGS04]. \(\eta\)
\[\text{BSGU94}.\] \(\exp(z)\) [IN99].
\(F_n(z) = f_n \circ \cdots \circ f_1(z)\) [Gil91]. \(G\)
\[\text{Lev91a, BHHS10, SS10, BC89a}.\] \(G^2\)
\[\text{FPT03}.\] \(\gamma\) [JN07]. \(GL(E)\) [Ben98]. \(H\)
\[\text{MS08b, AOW94, Mus11, SS00, TM05, Usm97, VO00a, Wan96}.\] \(H^1\) [KS02]. \(H^0\)
\[\text{TM05}.\] \(hp\) [AS97, AK00, BTP96, Bür12, DF96, FM95, GH90, Mus11, SGS00]. \(k\)
\[\text{DS97a, GH91, Jac88, KF97, Lem88}.\] \(K_2(P_2)\)
[SHA12], L [FRV11, dACR10], $L^\infty$ [LZ14], $L^q$ [Dol14], $L_2$ [MB08], $L_q$ [DKK94], $L^p$ [Doi91, Phi91]. $R^2$ [Kim14]. N [Gil10, HOS99, Lei99, Lei02, PRST02, DhW09, Lev91b, Li16, SA00, SWCH15]. P [CKL03, SS09, VDVV98, AL09, AOW94, BP02, BS96b, FVGS13, JJ94, KJ99, KX03, Mai06, ML91, MS00, SS00, VO00a, Yos00, dG91]. $p - 3$ [Ver06]. $P_1$ [VB07]. $\phi^4$ [Sus10]. $Q_1$ [WCXL09]. $Q^*_D/Q_0$ [CH07]. $Q_0$ [ST08]. $qd$ [AC10, DS10]. $QZ$ [DSW96]. $qd$ [AC10, DS10]. $QZ$ [DSW96]. $r$ [Zeg97, ZZW97]. $R^3$ [HOS11]. $R^4$ [LL02]. $S/P$ [Not92]. $s = 1$ [Beg00]. $S_n$ [YH07]. $\sin(z)$ [VC10]. $\sin \pi/2 x^2$ [Coh90]. $\theta$ [CK98, NN10]. $\varepsilon$ [D97a]. $V$ [Nov08, Sch95b, SW95b]. $y_0 = f(x, y)$ [CP05a].


0012 [De 02].


2 [BRSD91, BS94b, JLH13, WBM88]. 2009 [Wen10a]. 2D [Chu03, LTC03, BP95]. 2nd [FJ97, KP07].

3 [BP97]. 3-5 [Ano87a]. 335-345 [Ano87a]. 3d [EH05, CML05, de 92b].

5 [V95].

60th [CHM09]. 61 [ZC11].

8th [vdHS98].

95j [Kni95]. 96g [Tsy96].

=1 [Bra00].

A-EFIE [LCJQ12]. A-posteriori

[BM13, CMP03, ZS09]. A [Ano87a]. AB[LT12]. Abel [DSK12]. Abramowicz

[Mac92]. abrupt [Sal93]. abscissae [Joh05].

Absorbing [BG11a, EZ98, TY98, AG98,
BDSG09, BP97, HD04]. abstract [RT14].
accelerated [Bog12, Boy91b, HPY92].
Accelerating [PKSB10]. Acceleration [BL86, DE16, HL02b, SC08, VVR08, Ben98, BRZ10, Fdi97b, FL01a, GM94, Han88, Iss94, Kru99, Kza92, Kza99, Lav94, LS99a, Lem88, Lev91b, Lev91a, LSGK15, Sid10, Zha97].
accelerator [PCA10]. accelerators [Cuy90].
acceptance [HP15]. Accuracy [BVB09, FG09, Hun02, LWD09, Tur86, Bal00, BH12a, BPTT15, DT10, DS15, EN09, GMGF02, LK07, NW09, Rum87, SG00, SGN08, Tsa91, Tsa92].
achievements [AB09b]. achieving [RB12].
acidic [BMP05]. Acoustic [AL87, HD88, GGN12, HD04, HM86, HMP14, KJL12, KL07, Lee94, RX08]. acoustics [AD15, Har98, LX11]. across [Gea93, GX93, Jez99]. act [Ise02]. Active [CG13, NU15, HMW05, LT05, RU07, Sch09].
Adams [AM95b, AGM95, IM98, JL91, Sha87]. Adams-type [AM95b]. Adaptation [BMGM12, Bai97, BS97a, But92, CLGD06, FMP04, JM94, Ram94]. adaptations [in 96]. Adapted [AEG12, Fra04a, FM11, GHW01, Lin01, LE94, Mat09, TZ00, Van00].
adapting [Kos02]. adaptation [BS94b].
Adaptive [AFS11, BG06, BRBRS09, BH97, CP97, DGD03, DM10, DJJ+15, FL09, GHKM09, GS98, IM00, KMS10, KS90c, Lan07, LOS03, LTH11, MS05, MT05, M095, NRWF08, P804a, Pet87, Sar85, SJF+05, ZW15, AS97, AB90, AF89, AS06, Avg89, APL12, APL12, AFF+15, BLS94, BHJ05, BS14b, BKP09, BKR13, Beh97, BS00a, BC08a, BCU00, BF92b, BTP96, BFA93, BDF94, BV94, B097, BHR05, BF95, BD11, B13, CHR03, Car09a, CR05, CXZ09, CL01b, Chr96, CY05, De 06, DF96, Doi14, DGRS09, DH07, FD97, FVBS05, FNG04, FM95, FL0+97, GMZ11, GGO12, GDS+15, HKZ08, HW97, HWC15, JD09, JGK11, Ka96, KS09b, LW93, Lan95, Le99, LD10, LLS+96, Log04, Man96, MRF00, MZS10, MMT90, MR94, Mit97, MCE+09, Moo95b, NK11, NMKE13, NRR06, NB94, Now96].
adaptive [OZ96, PD96, Pic05, Pow94, Qu96, Ran15, SR09, Shy86, Shy91a, Shy91b, SG09, Tho85, TLV92, Tse00, Usm97, VO00a, VO00b, Wal00b, WKM04, WSS97, XZ115, ZH15, dDF+94]. adaptively [Du11].
Adaptivity [Sd06, BCJ97, BLP01, GHH09, Roz05, DGN12]. Addition [MA04, Shy86, Shy91b]. Additive [GGR97, KOC03, KFOF02, DLN04, FL01a, GCHR06, HR06, KZ13, Mai09, MH04, NN13, Pan07, WCX09]. ADER [TH09].
adhension [NS12]. ADI [AP09, Den15, FG13, HW07, HW09, HM06, WB03]. adiabatic [Re99].
Adini [HL04, LH02]. adjacent [Bre91].
Adjoint [BL05, HS97, KS09a, ARS05, CT13, DG10, Gu15, RK08, Rob10, SW09a].
Advances [SP99, BM09, JN02, Spi99].
advec ted [AD15]. Advection [IHS13, ABR05, BN12, BM04b, BM04c, CDF01, FMP04, GPPR12, GS94, HM15, Hin95, HT94, HV95, KOW05, KL09, LKV01, Liu09, MOU14, NMB10, wSJP15, Svd00, Tro96, Usm97, dHI13].
advection-diffusion [GS94, dHI13]. advection-diffusion-reaction [GPPR12, wSJP15]. advection-dominated [Hin95]. advection-reaction [HV95].
advection-reaction-diffusion [CDF01]. advective [FM15, GJR03]. aeroacoustic [AF04]. aeroacoustics [HG08].
aerodynamic [Jam93]. aerodynamical [De 02]. aerosol [DS07b, SB03]. aerosols [DS07a]. aerospace [Buc04]. affine [BMM03, BSZ99, GGO13, dRT99].
Analytic
[JR02, LZL14, Fat10, Kza92, LSL11].
Analytic-numerical [JR02].
Analytical [ESEKZ10, HD04, Boy91a, BH96, GQ89].
anelastic [Abr93].
anew [M¨ar02].
Angelesco [Lee10].
angiograms [QM03].
angle [ADK94].
anharmonic [JZJ10].
Anisotropic [AL98, CZS04, CYM09, DMP08, Dol14, FMP04, Sim94b, AG50a, AGJM04, AKL08, DHM09, ESS15, FH08, FM11, GHH09, Li01a, MCS06, MM02c, Ngu15, Obe15, Obc15, TSB10].
annular [Phi91].
Ansatz [GT15].
antennas [DDZK05].
anti [BMMZ06, Has08].
anti-diffusive [BMMZ06].
anti-Gauss [Has08].
any [CYM09].
AOR [WWS07].
appearance [SH91].
applying [KM95].
AppI [BtTBV87, Kn95, Ts96].
Application [BFH09, CKP15, CJ90, Ewi91, FKA+13, FMP04, HvdHV10, KCJP01, Rab94, Sid90, SDK15, AK00, AVMVMV09, BG06, Cao10, CAD03, CZS04, DF11, Die15, DSSC13, FH+02, Gan96, GS98, Guo05, HK09, Jor11, Kim12, LWCT07, MB08, MG07, MI13, Mur98, PG02, QM10, RDH+12, RW87, SIT12, Sam94, Sod91, Sza94, VG04, WSP04, ZWK15, BSI34, BGG12, Guo00, LP01, Mur99b].
Applications [AB12a, BJS012, BK06, CHM09, DGRS09, FF06, FFMZ13, GD09, Gro94, KP07, LP00, MA09, VB99, AES13, BV96, By01, BR01, BKP14, BV94, BDRZ04, Buc04, Cao98a, Che12b, Coh90, DK11, DMP08, DKK94, EH07a, FR14, GM93, yGqW5WC05, GSW09, HS98, JMJ94, KN03, KF97, Lai09, LGH11, LO96, Ost02, OTK04, PCA10, Riv09, RV05b, Ror06, Sac14, Wen05, WWLS08, vdhHS01, LD02].
Applied
[Rei85, ZCSH11a, AMT13, AMH03, AC96, Bac14, BMGM12, BTMT08, B300, Cas06, DZ12a, DS05, Den15, Fer14, GOL86, HHR12, HO10, HM00, itHW07, itHW09, HWM05, IHS13, LKV01, Le199, MOS02, MI03, Mo95, SR09, SZE+92, SW85, VA05, VSeYD02, Wan96, WM07, Ano87a].
Approach
[TMS87, AD99, AMV03, ARSW05, Beh93, BMM03, BMGG12, BDDV12, BPO03, CGT13, CCBGV08, Cao98b, Car94, CLR11, CCMTD02, CXZ15, CCJ99, Don91, DS15, EB12, FV85, For11, GQ89, GRG02, GKL07, Har98, HD88, HP14, IHS13, Jes93, KH+14, KK11, KHA12, KL90, KR15, LBLT13, LN08, LP00, MP97, Mht97, Mpo03, RV09, SCI11, SK97, SH09, SW95d, SWR11, VBB96, WCW14, Zan91, ZPT92].
Approaches
[CHR03, Min87, AAD+08, Buc99, CKS05, Dat99b, LWD+09, Sv95, WL10].
Approaching [DL13].
approximants
[Ari87, BW15, Cat10, CPD+05, CV88, Dar90, DMGVO05, GII10, GV93, IN89, KS91, Kid00a, Matt91, Mdr05, OGV92b, OGV92a, Pre90, Pre95, Sad97, vanu86a, vL87].
Approximate
[AM09, Huc99, SDSC99, BF92a, BT99, BSvdV09, BV01, BVRB14, BGO2b, CG05, CMM10, DS97b, ELvdHS98, Enr06, EGH01, FV99, GV02, HG98, JMY10, KCJP01, Mag91, Not92, SY05, SHG86, T00, Tar98, WZ02, WMC09, Zha00, Zha14, ZPT92].
approximated [WC02].
Approximating [DJL04, DS01, Kos02, LR01, Rab94, Sim94a].
Approximation
[ARGA00, AK00, AB14, BM89, EL94, HP97, KL98, KCS07, KS01, KP01, Lio12, Wen10a, AB12, ABK12, AEG12, BC12, BDGP96, BD09, BK06, BK13, Bel91, By01, BGG13, BM04c, Bho11, Bho12, Bla00, BG14, BO11, BP85, BM06, Brel02b, Brel10, BE99, CFS13, CF13a, Che12b, Ch13, Cod08, Cop03, CF05, CD05, CLS04, Coy12,
approximation [RA09, Sad96, Sol15, TKN11, TY03, XL09b, YY13, Zou10, ZCC11].
Approximations [Ghe97, Sub04, AL95, AOW94, AMCM09, AD01b, BKM13, BM00, Bok03, Bre06, Bre96, Buc06, BGS02, BC00a, But09, CC90, CHSS01, CJX11, Che12a, Coh90, CSM07, DDZK05, Fun90, GT15, GT00, GJ00, Gol00, GGG16, JV09, KPY15, KZ13, KW93, Len00, Li11, LX09, Lyn09, MS99a, MT06, MP15, NB01, Nov08, PGS10, QAE+09, Ren14, SA12b, Ske99, SN04, Tol04, VR01, WAW12, WWLS08, Xu13, YLL09, ZC15, Zup03].
aqueous [BMP05].
arbitrary [PGM86, Bal00, BS00a, CLS04, CG14, DM09a, GRGJ02, RVD00, Tol03].
barbitary-order [Tol03].
arbitrarily [BC99, JP93, WWS+93].
arcs [DSV13, HLL09].
area [AMV03, Sal93].
arithmetic [AA94, ABFV09, AC08, BK06, Beta14, BR94, CG92, CMK15, Em02, FB09, Guo96, Hua98, Iga85, KOG96, Le 12, SS99, Sch87].
arithmetic [AA04, HFL13, LSK12, MA04, PH91, Sch87, Sch89, She99].
ARK [BR05].
ART [San03].
arrows [AB14].
area [AB12a].
ART [San03].
automatic [BS93, RH92, Bühr13, DS02, MCE+09, PRST02].
anomalous [CL01a, DM11b, SB14].
avascular [LBLT13].
average [CMP06, Hase08].
average [AB12b, DJ04].
averaging [DD97, BP12b, CCMSS11, CH09, Dal13, EK95, FVGS13].
avoiding [Hin95, PJB04].
axially [DI15].
axis [GHKM09, GS09, IM04, MI03].
axisymmetric [Mac86, AC08, Nke07, Sel14].
axons [LFL14].
AZTEC [SW86].
B
[DK11, Joh05, Li05, MST09, RK08, SYG\textsuperscript{+}05].
B-series [DK11]. B-spline
[Joh05, MST09, RK08]. B-splines
[SYG\textsuperscript{+}05]. B-theory [Li05]. back [BF99].
Backward [AGP97, Ber86, CHK99, Fre98, HM01, Ske89a, Ske89b, TOD11, WL09a].
backward-facing [CHK99]. Bae [TKN11]. balance
[AMT13, KR12, QAE\textsuperscript{+}09]. balanced
[BDMG12, KD13, TK15, WL09a]. balancing
[Chr96, DBH\textsuperscript{+}05, FL\textsuperscript{+}97, dDF\textsuperscript{+}94]. ball
[SG04]. Banach [CP03b, DE16, PGA93]. band
[BG06]. banded [Con89]. bank
[Wal00a, Wal00b]. bar [Meh08].
Barbamarco [RI02]. Baroclinic
[Bou02]. barrier
[BP14, LRT99]. barriers
[FV01, Hin95]. Bartels
[SMC08]. barycentric [BFK11]. Base
[dG91]. based
[AK09, AM50b, AGM95, AD99, AGJM04, Aro96, AAD14, AD04, AFF\textsuperscript{+}15, BMG\textsubscript{M}12, BY09, BKP09, BM04b, Ber86, Boh03, BZ96, Bru93, BT97c, Bür12, Cai15, CHZ06, CKS05, CK13, CNS00, CDP12, CST97, CSM07, DdSF07, De 02, Dol14, DY03, DTS, EFLF09, Fra06, VFS7, FM07. GMG02, GHK09, GK09, Gje07, GGR97, Har98, HSS04, HLO8, HFL12, Jan95, JHL13, Kan04, Kok08, KM11, KW12, Kru99, LHH96, LCHR03, LY10, LWD\textsuperscript{+}09, LSK12, LHO13, LSGK15, Lo06, LYOI99, LP97, LS98, LZY09, Lyo12, MB10, MO01, Mat91, MS08h, MSS\textsuperscript{+}15, Min04, MD10, Moo04, Nov03, PPS05, Par04, PGS10, Pat98, Pat00, PC00, PT15, PB10, Pow94, QM03, RSY12, Ric08, Ri12, RMMK09, SST12, Sac14, Sch08a, SW09a, SG96, SH10, SXP09, SL15, SLZ10, SW86, TYKK01a, ÚSHT03, VV02]. based
[VBD93, Wal00b, WL10, YCY12, Yi12, Yu99, YH07, ZHJ14, ZO14, ZH15, Zla85b, dFN00]. bases
[AA94, AF511, DDHS97, GPP04, PR12, Win04]. basic
[AR93, HSW99]. basis
[Alb96, BAD13, BG11c, Gar96, GS92, Jun07, JD09, Kwe00, LH11, MH14, Roz05, Sar05, SJ11, uIVS13, Ste97, TLSS09, War92, XB14, ZT06, ZHL03]. batch [Die15, QAE\textsuperscript{+}09].
BCH [WC02]. BCH-formula [WC02].
BDF [AS04, CC90, Hin95, Sha87]. BDF2
[HS96, LT12]. be [Mau08, Mul99]. Beam
[CRR03, DR85, TMS87, CF13c, LT07, Ma03]. beams [AM03, CCS02, LR01].
Becker [DS01]. Behavior
[CY98, Sch02, Cao97, LPR00a, Sim94a, Wal95, Wan01]. behaviors
[By01]. behaviour
[Bre88, Bur91, CCP04, DLM02, LO96, MRS03, Sch04, SK01]. Behavioural
[SMC08]. behaviours [Leo10b]. Bellman
[BS80, FLS94, For11]. Bel’tyukov
[SV00]. bem [MOS12, AD08, AFLG\textsuperscript{+}12, AFLP12, AFF\textsuperscript{+}15, BF15, CML05, DS07c, EH05, GMM09, GMS12, Gu06, HY01, JS09, KMS10, MS08b, NS12, RV09, Sc14, ST14b]. Benazzouz
[Ben98]. Benchmark
[GG012, AS00, NER95]. bending
[HLC01, LR01]. Berenger
[BP97]. Bernoulli
[AC10, Nap16]. Bernstein
[GS15b, BRIP08, DSM11, JBLC11, Win04]. Bessel
[Che12a, JN07]. Bi-CGSTAB
[SSvG10]. Bi-CGSTAB
[MC00, Fuj02]. Bicomplex
[AR15]. bidiagonalization
[KBG04]. bidomain
[BK09, PS09]. Biennial
[Ano02g]. Bifurcation
[KF97, ZG92a, ZG92b, HH10b, Mar93, RSL98, YT03]. Bifurcations
[RAS99, Eir99, RV05b]. biharmonic
[Chr01, LHH08, MB10, NMB10]. bilinear
[GGR97]. Bingham
[Mur15, TT03]. binning
[DS07b]. binomial
[DL01]. bio
boundary-value [Fun94, LC99]. bounded [Ber05, BL91, Che12b, Hin97, MDRR11, MS03, Wal00a]. boundedness [FS05, MDP10, Spi13].
boundedness-preserving [MDP10].
Bounding [BRRS15, Coo89, Gil10].
Bounds [MSP10, Bou16, Che16, CF13b, Dra97, Fac03, GH94, HI02, JR02, KS10, LSK12, LW92a, Nak12, NN10, Roz05, WWX13, YB10].
boundedness [FS05, MDP10, Spi13].
boundedness-preserving [MDP10].
Bounding [BRRS15, Coo89, Gil10].
Bounds [MSP10, Bou16, Che16, CF13b, Dra97, Fac03, GH94, HI02, JR02, KS10, LSK12, LW92a, Nak12, NN10, Roz05, WWX13, YB10].
boundedness [FS05, MDP10, Spi13].
boundedness-preserving [MDP10].
Bounding [BRRS15, Coo89, Gil10].
Bounds [MSP10, Bou16, Che16, CF13b, Dra97, Fac03, GH94, HI02, JR02, KS10, LSK12, LW92a, Nak12, NN10, Roz05, WWX13, YB10].

C [AR93]. C-fraction [AR93]. cables [UJ14]. Cache [HKZ08, LW92b]. CADNA [AV96, Tou97]. Cahn [BCM04, CCL04, HLT07, KK09a].
calcium [NRWF08]. Calculating [HC01, Tar98, AY15, DSW96]. Calculation [JJZ10, Bec02, MAG13, SW06, WSC09].
Calculations [Mac86, RBB85, BNH01, BC93, CSCM96, KL87, LTC03, Mun00, Var92]. calculus [Lub92].
calibration [RW87]. Camassa [AS06, CLP15, RLSS06]. can [Var92].
Canada [CFTW08]. cantilever [LT07].
Capacitance [DP85, GOGF03, OL87]. capturing [Aca12, KD13]. Caputo [CDW13].
Cardéthodory [Sae14]. cardiac [BK09, CKP15, FPS15, NK11]. Carleman [Kli15].
Carlo [LHÖ13, MD06]. Cartesian [ASCM02, ASC03, BP12a, FdB02, Fv04, Kim14, TY00, WE99]. cascade [AB15].
Cascadic [MRS10]. case [Beg00, CMR12, CY05, GANT02, Jes93, MN03, Med96].
cases [PCA10]. catenary [AS00]. Cauchy [AK95, Cum95, FFQ09, JP08a, Kli15, MP98, Mat91, Rab94].
Cauchy-type [Mat91].
Caustics [RS88b]. cavitation [XLK07]. cavities [DdCVR03, QC12, QL15, dB03].
cavity [Du11, Guo00, JP08a, RBC02, WWLS08].
Cayley [LP00, MO01]. CBEM [JS09]. CE [QM10]. CE/SE [QM10]. cell [Aya09, Bar09, Ber15, BW95, BG03, Car94, Da00, EK95, FS88b, JP08b, Joo99, MS15].
cell-averaging [EK95]. cell-centered [Bar09, BW95, BG03, FS88b]. cells [Ber15].
cellular [CKP15]. CEM [AG98, DK14].
centennial [FJ97]. center [CPD+05, ZB07].
Centered [Tol04, Bar09, BW95, BG03, EN09, FS88b]. central [ASCM02, ASC03, BL06, CXNF14, FCX06, itHV09, JTB15, LPR00b, NRR06, Pap95, PGDB08, QW04, Ton10, TJ12, TK15, BM12b].
central-upwind [CXNF14, FCX06]. centred [SGN08].
centrification [BCS05]. centrifuges [BCS06].
Certain [DL01, BKP15, DMGVPO09, Dra97, Fuh01, GVSL96, GS05, LS86, LFP04]. certified [Che16].
CDF [BTMT08, BS97a, QM03, SST04]. CFIEs [CM14]. CFL [MZ04]. CG [Sch99, dv95a].
CGLS [Baz03]. CGSTAB [SSG10]. chain [Bec02]. chains [BT02, Buc99, Mar03].
challenges [DBH+05]. change [CH15, Sal93]. changes [Wag98]. changing [DCC14, SY08].
channel [BJ00, Gla93, Jun06, PK91, RVZ15, JY0G08]. chaos [CJL13, Pu09, Pu12, SSL93, SZ12, SH91a, SH91b, SH91, ZWK15].
chaotic [SK01].
character [Mar99b]. characteristic
[Bre06, EAS12, FLR08, JZJ10, LY08, SAG86, SWW11, ZMC13]. characteristics [LCVG01, Mar03, PG02, YY13, Zio99]. characteristics-mixed [YY13].
characterization [ST89].
Characterizations [LX08]. Charge [GG95, NER95, NR97, SG05].
Chebyshev [ARGA00, BC08a, Boy06, Boy07, BO11, Coh90, DDS89, DSW96, EK95, FFY08, HM00, KK09b, Mac92, MM07, SWX00, She00, ZK00, vS97].
Chebyshev-collocation [SWX00].
Chemical [ND85, BBV05, CKB13, DS02, DS03, KCJP01, PM05, SK96, ZdB03, dBo3].
chemistry [BGG12, VS95, VBH96, WK02].
Chile [BGHR12, BGH+15].
Chinese [LST07].
chip [SG05].
choice [GC15, BS00b, CDD00, Eg88, Neu88, PA91].
Choices [San89, GAW09, SWFK13].
Cholesky [HPS12, LN92, Noo95].
Choose [Rob10].
Chorographies [RS14].
Christoffel [Bre91].
chromatography [vHA98].
circle [CCBGV08, DGV00, DBCBPP10, DIR13, SL01a].
circuit [AKGR14, BLW02, GG95, MT11, PGS10, ST05].
circuits [BBS11, GR93].
circulant [NR14].
circular [Du90, HT00, LM508, LBCN00, Son91].
Circulation [ZW87, LG02].
CIRM
[Wen10a].
clamped [Lam13].
class [AL95, ABF09, Bai96, BDSG09, Beg00, BMPR15, BJM01, BKP15, Bur91, Bus06, Cam99, CG14, Cum95, Cve02, De 06, DGN12, DXY09, DM09b, DZ12b, DIR13, EM05a, EVO04, FL05, Fer09, Fer96, FJK5, FJS99, GT15, Gon06, Kat89, Li12, Maj14, Man96, Ost93, PD01, RT95, RT95, Sad97, SEGV02, SG05, SL08, Tsy96, VDVV98, Wan11, WZ14, WSW96, WdG92, ZL01, ZZW97, in 92].
Classical [Lee10, AS11, Beg00, BDRZ04, CCJ99, DJM09, GMG02, GP01, LS12, MOS02, Mar94, Mar99b, MM02a, MMP02b, Sal03, Wel10a, Wel10b].
classification [KKR15].
cleaning [GDS+15].
Clenshaw [CL14].
closed [TMM15].
cloud [WK02].
Clough [Bar12].
class [DS01].
classes [Nur09].
CM [BS94a, VV95].
CM-2 [BS94a].
CM-5 [VV95].
CM2 [Pet92].
CNLF [LT12].
co [CZY08, LLY11].
co-coercive [LLY11].
co-existing [CZY08].
coagulation [DS07b].
Coarse [SS99, FsSB02, NN13].
course-mesh [FsSB02].
coarsening [GGLR09, GGR97, LWT07, de 96].
coaxial [LJ14].
cochlear [BF09].
Code [Ara99, ZW87, AA87, AB98, CST97, GPPR12, Sal89, SW86, WSP97, WB92a].
codes [Ber86, BT97c, GMG02, GMG04, Sha85b, Sha85].
coefficient [Bj01, BJ03, CCL04, DP12, DL01, HP14, HL116, JR02, KS07, Lu98a, PB04, Su94, TKO5].
Coefficients [Hig93b, AL09, BC05, C90, CC04b, CL88, DXY09, DCC14, DKK94, DC09, HLMKZ06, JY09, KP92, LP01, PM14, Spi13, VSeYD02, WCX10, YT00].
ocoercive [DS05, LLY11].
coherent [CC04].
Collaborating [MR92].
collapse [TYKK01b].
collapsible [LT00, TYKK01a].
collisions [CLP15].
Collocation [AB88, BR97, CN15, AV96, AF02, Ba00, BAD13, BIM15, Bru92, BMM97b, BMM97a, Bru07, CHLX07, CP05a, CP09, CP12, Cun95, DP12, DS07a, DHL00, DBBH14, ERS00, EHM01, GPHM12, GT93a, Gug05, yGpY09, Han93, HM15, HMO0, HU99, HR96, HK989, JZK06, Joh05, K008, LHH94, LHH96, LFB00, MS86, Pat00, PM91, PT11, PA91, PK91, RK08, Sch93, SWX00, SJ11, uITS9, SK10, WM04, WC14, ZCSH11a, ZCSH11b].
collocation-based [Pat00].
collocation-type [Han93].
colored [Kom07].
column [GY94].
column-block [GY94].
combination [LK01, MM02b].
combinations [DJM09, LH02, WM08].
combinatorial [Ren99]. combine [AN15].
combined [APJ09, MK14]. Combining [DM12].
Combustion [BH85, BBV05, GS89, KCJP01, NER95, NR97].
commodity [ZGO12]. common [Alb96].
communication [dv95a]. commutator [BM06a].
Commuting [DB95, MW93]. compactly [Ehr08].
Companion [BR01, BW86, Win04].
Comparative [BdFPSdSC08, BT99, CG03, GRLL01, PSP05].
Comparison [ACM09, CKPS15, EVO06, Moo95b, NN10, Aya09, Boy91a, CL01a, EK97, GP01, HT94, KPR06, KW12, LWD+99, LPZ00, MD96, NN13, VSeY92]. comparisons [WSS97].
Compatible [GP00].
Compensated [WG10]. complement [Cao09, Cao10, CG89, KMS10].
complementarity [Ins97, KP03b, LLL12, LMP99, WZ14]. complements [RZ04, GM87]. complete [CGGGS11, Meu14]. Completion [Sei02].
Complex [CFCH09, AC08, AES13, Dar90, DKK94, Fun94, Gab02, Kar89, Lu98a, PH91, TC03, TY00]. complex-symmetric [AC08].
Complexity [LRT99, MZS10, MMT90].
compliance [CFRA08, FH10]. compliant [DHI15, TDC13]. complicated [DKK94].
component [GGG16, MM14, OZ96]. component-wise [MM14]. components [BLW02, CG14].
Composite [DP90, Maj14, jWyG08, AMH03, Dra91, FSB97, HY01, Jor11, MMT90, MR94, NBP94, NU15].
Composition [DK11, Bla01, CCC08]. compound [RS08a]. Compressible [BW86, CFX08, CKK10, DS97a, DGRS09, DHI15, Fai00, FL01a, JKJ12, JN07, KC94, KCL00, Kwe00, Kwe01, Kwe03, Mou03, QR03, RCGM98, RZ15, SZE+92, Sod91, Tur86, ZYSZ14, ZQLK11, vdhVW01].
compression [PGS10]. Computation [BJS12, BPTT15, BVHNN10, CMP15, DV95b, ERS00, EV96, HGR01, MH93, MR06, SL01a, Saa00, Waa88, YT03, BCU00, BG06, BH13, CDV00, CCBGV08, CJ90, CD00, DS02, EH88, FLO+97, GP01, GSR00, Har98, HR14, Hin97, Jez04, Kop89, LM00, Mar93, MST07, Nov03, Ram12, Rob10, RTT01, SW06, Shy86, Sve95, SS10, Wec01, YH00, vHA98, MH93].
Computational [BLW02, BBPR05, BF09, Fun90, Jam93, LFL14, MMT90, MIZ87, Sp09, CFK07, Car90a, Elm02, FL05, FKA+13, FMP04, HG98, HD88, JRT90, MdR05, MZ04, Pui86, Qui96, SYG+95, Shy91a, Shy91b, SD93, VS91, VT91, ZW09]. Computationally [YK07, AA87]. Computations [BDKM92, Li01b, AS97, Asc12, BC02, Chr96, Dat99a, FL01a, GT15, Gat91, HK91, Kor95, LSGK15, MS08a, ZP12, van95, vdhMdS99].
compute [MDRR11]. computed [EH08, WT08].
computer [BRSD91, Fre91, Her91, Ney95, de 95a].
computerized [San03]. computers [SK91, Som93, VS94, dH95, de 92b, dv95a, vvdV97].
Computing [Alt85, ALP+96, Boy06, CKL03, CFTW08, HM09, HP91, KBG04, LST07, LW07, Lu98b, Tan87, Yos00, AT13, BC99, CMK10, CB99, CCS02, Din93, FSM+02, Gil91, Jia02, KW98, Li00b, LFX15, Mar03, Mat86, Moo95a, ST90b, Tru00, WB90, ZC91].
Concepción [BGHR12, BGH+15].
concepts [HSW99]. concerning [Han06].
condensates [ZB07]. Condition [BK93, Kor95, Win01, Ang06, BM12a, BP97, BGT1c, CMS06, Dob05, KBS11, Lam13, LHH08, LH09, OMP98, RVdCVR02, RBC02, VUl95, jWqW09, jW15, YL13, hYqW12, rV04]. Conditioning [Mag91, Not92, BF09, Li12]. Conditions [Ave87a, Gus88, JL86, JL87, PT09, AS11, AQS94, AK95, BDSG09, BCL15, BMS89, Bor02, BM06, BB98, BS96b, BT97d,
conduction [BLS94, MVVA09b, RMK09, YY13].

conductivity [CML05, DM09a].

cone [BSZ99].

cones [MMP02a].

Conference [Ano02g, LST07, FJ97, Wen10a, vdHSW98, Ano00a].

confined [MT05].

conflict [Fuj99].

conflict-free [Fu99].

conferring [BBO03, CLR11, LWCT07].

Connection [Pet92, VV95].

conquer [DH94, Jes93].

conservation [AM09, AKG14, Aff94, Ang06, Bac14, BMGM12, BJ02, BTP96, BFA93, BDF94, BM12b, BGP11, BGS02, CH15, Dav92, DF96, DGRS09, EK96, FL01b, GT00, HSS07, Hor02, HWCF15, KSO9b, KXR+04, KLSW06, LPR00a, LPR00b, PGDB08, Tan01, TJ12, XF06, Ye04].

conservative [BDM03, CHSS01, CS08, CCL04, Fou00, FLL11, HLMKZ06, Kim07, MQ03, ZQLK11].

conserving [BRBM08, BBKS07, Hor93].

considerations [HFL13].

Consistency [Hor93, Kel85, LL06].

Consistent [BHM02, CHSS01, CS08, CCL04, Fou00, FLL11, HLMKZ06, Kim07, MQ03, ZQLK11].

consistently [Not92].

consolidation [GLV03, GLV06].

constant [Fan11, FP02, GC15, KCJP01, SH97, TL07, ZWL11].

Constancy [ND85, Mat86].

constitutive [Die15].

constrained [Arn98, BMM03, BH93, CXZ14, EM05b, FLMR14, Han87, KLSW10, LS93, LWCT07, Meh08, RP01, SP99, Tou10, USHT03, Yu08, ZP12].

Constraint [Cao09, RP01, ZW87, Che16, YD07].

constraints [Aca12, BSZ15, CDH91, KP03a, LDP+14, MDT05, Sch09, YLS+09].

constructing [LS93, Ran15, Ren14, Sad97, Tol03, WWS+93].

Construction [BZ91, BJ96, BJ98, GH02, HZ02, Mat91, Nic86, PR09, PT95, SM93, YR09, YS98, ABH14, Ano87a, CV88, JL86, JL87, Lem02, LX08, Man96, MP07, TY00].

Constructive [AAD+08, JNPC03].

contract [CFRA08, CH13, Cop03, CF05, CF13e, CF14, CA15, GS15a, HS07, HL02a, HMW05, KM11, KW12].

contaminants [BM04a, BM04b].

Contents [Ano01e, Ano05c].

contours [AM09, AKG14, Aff94, Ang06, Bac14, BMGM12, BJ02, BTP96, BFA93, BDF94, BM12b, BGP11, BGS02, CH15, Dav92, DF96, DGRS09, EK96, FL01b, GT00, HSS07, Hor02, HWCF15, KSO9b, KXR+04, KLSW06, LPR00a, LPR00b, PGDB08, Tan01, TJ12, XF06, Ye04].

continuity [AW03].

Continuous [BDGP96, BDP99, CW98, CM07, CLGD06, EH97, TY11, Arc06, BT97a, BV96, Bel97, BN12, BGS02, DV95b, GFB99, JR02, JNPC03, LHC09, LOS03, MST09, Pic05, SA12b, VZ93, ZX14].

continuous/discrete [LOS03].

continuous/discontinuous [ZX14].

continuously [CST97, Zha09].

continuum [Dal00, JEG10].

contours [FPT03, Hin97].

contract [GQ08, MQ00].

contraction [PK91].

Contractivity [Bel97, GCHR06, JL94, Zen93, BZ92, Hor99, itH02, Kra92, ONL89, San89].

Contractivity/monotonicity [GCHR06].

contrast [ZCC11].

contributions [AFS96, GR02, vS96].

control [AH09, AB09a, AVMVMV09, AW09, BKM13, BGM08, BS96a, BSvdV99, BSZ15, BC00a, CKP15, CHK99, CY05, Con01, CF05, Dah02, Dat99a, Dat99b, DMP08, Deh01,
De 06, ECB07, EGL09, Han06, Hig93a, Hua98, HFL13, Jéz04, KN08, KR15, LY03, LT05, MDHK06, MC00, MP94, NK11, NH15, NU15, RSD+06, Sha05, SG06, SW94, Sim94b, Söd06, WKP12, XL11, YGY15, ZSJ04.

controllable [Leo10a]. controlled [EK95]. controller [LT07]. controlling [For02].

Convection [RBBC85, BO04, BC08a, BBBCS05, BC04a, BW96a, BW97, Bla00, BTDV10, CP05b, CT93, ČK13, CJLS98, DDS89, DXY90, DM11a, Die15, DdCVR03, DL06, Fra14, GAML04, GD09, HM00, itHW07, Jun06, KT05, KC03, KS01, Len00, LY09, LS99b, LD02, Luc05, MOS02, Mar05, Mat09, NS03, OQ15, Sac93, Sch91, SZ09, SG07, Str98a, ST08, SWW11, Tse00, VL08, WL09b, WK00, ZMC13, ZML+12, ZX14].

convection-diffusion [BW97, Bla00, CT93, Die15, Fra14, KS01, Len00, LS99b, OQ15, Sac93, ZMC13, ZML+12, ZX14].

Convergence [ACMR06, APJ10, AFLG+12, BM00, BK09, BFK11, BW15, Boy15, BD11, Bür13, CGT13, CC90, Car09a, CC04a, CXX09, CZ12, DG10, DS05, DXY90, DLN04, DH07, Fei06, FM11, GMZ11, GGN12, GMS05, Hau98, Ise94, JTB15, Jay95, KOK08, KK86, Kru99, Kza09, Len88, Lev91b, Li01a, Lin02, MZS10, MT11, OT02, PDV99, RT14, Sac93, SA12b, Wan06, WS04, ZT06, vdSvdH95, ALMM98, AM09, AM00, AMP03, AHR12, AFLP12, AFK92, AL05, BWY03, BGO13, Bho12, BRZI10, BM09, CGGGS11, Cao97, Cao98a, Cao01, CL07, CJX11, CH13, Con04, Cum95, Cuy90, CH90, Cve02, Dar90, DMGVO05, Doi91, EGH01, FFY08, Fdi97b, FS88b, Fr01, GH91, Gan96, GM94, HPY92, HO10, HCX03, JW01, KS01, Kie15, LR93, Len00, Lev91a, Lin01, LMP99, MOS02].

convergence [Mar03, MT94, MS90, MR94, Nke07, Oos95, OGV92b, Pol93, PCA10, Pré95, SSV89, SW90a, SXP09, SL09, Sid10, SS13b, Vuh95, Wa90, WMC09, Xu13, Yua93, ZL01, ZZW97, in 95, GPHAM12].

convergent [AB07, BM01, BO11, CDW13, KKN+13, RTU15, SG04, VV02, Wen10a, Wož10, ZLG15, ZX14].

Convolutions [ADG11]. convolved [Con04]. cooperate [AC10]. cooperative [CZY08]. Correspondence [Jia12]. corresponding [LFx15].

Cost-effective [TSFB01]. costs [AD99].

Corriage [BtTBV87, JL87]. Cosy [KPR06].

Coupling [EJS11, GMS12, UNGD08, BMS89, DZ12a, Den07, DMQ02, Dor91, FPS15, FLL11, GQ99, GMM09, HY01, JS09, KMS10, MOS12, MT11, Rob10, Sus10].

Convex [AM10b]. convex/concave [SC11].

Corrected [Con99, AFS00, CKB12]. corrections [Agu15, BG03, CH90, HFL12, Hun02, Min04].

Corrective [KN08]. corrective [Bur91, Car09b, CXZ15, IM02, JL91, LLL12, Wai98, Zla85b, de95b, vC93, Bur93b].

Corrigendum [BtTBV87, JL87]. Cosy [KPR06].

Couett [MD00, SH91].

Cost [TSFB01, BBG14, Dra97, FV01].

Covariance [FSU89].

d [HW15, AG05a, Ant13, ASC03, BF15, BV94, BS08, Can08, EP15, Fou00, Gon06, HWCF15, HZ12, Kal96, KD13, KLSW06, LPR00b, LW07, Mai06, NRR06, Now96, PSP05, PPC00, RZ00, SS00, Sha98, Ste97, TCCW89, TYKK01b, VA05, Vej10, WKM04, YH00, ZZZ01, Zha09]. D-convergence [ZZL01]. D-flows [BS08]. DAE [CY98, NR97]. DAE-aspect [NR97]. DAEs [AFS00, CCMS11, Cam99, CZ97, GPHAM12, GS09, AC96, HMT03a, HMT03b, San02, ST05, Wem05, YT03]. Dam [CGN03]. Damage [CFKS07, CFRA08]. Damped [KH91, MD10, Moe98]. Damping [CR03, Jes85, LR01]. Darboux [Bre91]. Darcy [BC12, CK13, EJS11, EL01, UNGD08]. DASPK [MD96]. Data [DR93, LP05, WCGW95, BG02a, Ehr08, Har10, HKZ08, HM15, Jun97, KKN +13, LO96, PS02, PS03, RS09, RL86, RCGM98, RW87, RV05b, Sch08a, TD09, ZHL08]. Data-dependent [DR93]. Data-parallel [WCGW95]. Data-sparse [LP05]. Databases [WWS +93]. Davidson [Gen10, MS99a]. DDE [TS06]. DDEs [ST01, Sha05]. Deblurring [BS10, DE16]. Decay [BDKM92]. Decomposed [GCP91]. Decomposition [CCF03, TMS87, AAD +08, AF04, AM10b, Att97, BN99, BRRS15, BM89, BRVC09, Bog00, BP90, BS91, CG89, CES91, CJ09, Cve02, De 93, DDS89, Dor91, Dou91, EZ98, Ewi91, FL05, Gas92, GK09, Gen10, GHF00, GS08, Haa97, HPS12, HSS07, IVA93, JM06, Jun97, KCS07, KG90, Kok08, Kop89, KJ99, Kuz90, LY08, LY09, LR00, LOM98, LRT99, LZY90, MH14, ML91, Men91, MLB97, NRWF08, NMB10, Par04, PKSB10, Pas91, Pav00, PR09, RV04, RV05a, SG09, Ste05b, Su94, SLZ10, TS08, Tse00, WM07, Yu99, ZHL03]. Decomposition-type [BN99, Cve02]. Decompositions [Phil91, PT15]. Deconvolution [FLMR14]. Decreasing [DKK94]. Dedication [CHM09, FFMZ13]. Dedication [Ger94, GT93b]. Defeating [BO11]. Defect [FR01, QMLC15].
defect-correction [QMLC15]. deferred [BM06b, CW98, HS11, Kree07, Lay08, Lay09, Min04, VV02]. defibrillation [CKP15].
deficient [Baz03, SY07]. defined [Att97, CFS13]. definite [AA05, Ara99, Cao01, DL01, Liu02, Lu98b, Sha98, TM15].
deflation [BWE95, Mor05, VSeyD02]. deformation [GKT10, KM11, TYKK01b].
deformations [PFHL09]. degeneracy [Li08, PPS05]. Degenerate [KXK92, BBRBS09, BBCS05, BCS06, DSSC13, yGyz07, KL98, KK09a, LC90, Spi90].
degradation [DSSC13]. degree [AA04, AL90, Beg00, DiW99, Has08, Kin94, PM91, Sal03, Xin08].
degrees [Mau08]. Delaunay [LS93]. Delay [SG06, BF92a, BP06a, BZ92, Bel97, BR94, BFds10, Bure06, Bure92, CHZ14, CZ12, Den15, Eh97, Enr06, Fan11, FJ97, Fe06, FNT06, Gan09, Gug05, Guo01, H95, Hu99, JY97, JZK06, KV95, KO96, KF97, L14, L92a, MZK05, Pan92, SMJ12, SH97, Sp97, TYJ11, Van00, WZL08, WC11, WG15, WB92a, WB92b, WMC09, ZZL01, ZH09, ZC10, ZP97, ZP98, Z09, in 92, in 96]. delay-differential [BR94, WB92a, WB92b]. Delay-differential-algebraic [SG06].

delay-integro-differential [BF92a, ZH09]. delays [BT97a, HH97, HIGH93a, Hu00, LRE04, NT92]. DELSOL [WB92a]. delta [BW15, GGS04]. Deming [Mon09].
denoising [BS10, YCY12]. denominators [PA91]. dense [L92b, ZNK02]. density [AKT97, CKS05, SW06, BHN01].

Dependence [BN03]. Dependent [FG96, AB09a, AF98, AR97, BJH05, BP14, BDF89, BtTBV87, Bure02a, BK12, B91, BJ03, BJ06, Cn09, CP05b, dCCSR03, CST97, Dia95, DY03, DR93, FNT06, GLPW09, GGR97, HHT97, HP14, HM15, HILK13, HR96, HLS16, JCSR03, KH91, LKV01, Lay09, LLT07, MG97, MS08b, NT92, Nor97, PJB04, PAJ12, RZ90, RY13, Rya00, Sar05, SM13, Sim10, SvdVvD06, TER03, Tes01, Wan09, WZW13, Won08, WdG92, YS09, ZJ10, ZtV87, vDvS08].
deposition [CKB13]. derefinement [PPC00]. Derivation [Chr01, CMRD11]. derivative [AH11, ABH14, AH15, BP02, BB04, BMV06, E07b, GJ00, i1HW07, itHW09, itHM13, KGR08, M004, Ram12, Rus95, SL15, WB92b, Wu09, ZY14]. derivatives [AGY08, AP09, BF11, CHZ06, Ch12b, CD0, D13, DR1, JHL13, KCS07, KS1, LHF08, LH13, LFX15, Rat13, Tan87, ZLG15]. describing [GRGJ02]. descriptor [EK97, Sim93]. DESI [Dia95]. Design [Ale03, PSW02, SW95a, AC08, ARS05, BFDPSDC08, CH04, IPL02, Jam93, PL03, SA08, SG05]. designs [K10]. destruction [BDM03].
detect [GGS04]. Detection [Eir99, AC10, JD09, JGK11, KM95, KXR+04, Lo06, SSW04]. Determinant [Pre90]. determinants [WB90].

 Determination [Del01, AED12, CJL13, HK09, LV12]. determined [SK10]. Determining
[AGY08, LN08, Su94, WL09c]. Deterministic [S15a]. detonation
[ZG92a]. Developing [BDF89, Pau92]. Development [AL87, Bor97, RA03, de, 96, AF96, DsF07, FPPS00, vs96, van96].

Developments [Baks9, AQ594, ABF09, BC90c, Dat99b]. device [LS07b, Y13]. devices [AC08, BBS11]. diabetes [MLK06].
diagonal [BKS07, Fh01, TW00, ZH15]. diagonalization [HC01]. Diagonally
[But93, DR09a, JR00, ABH14, B96, BJ98, BW03, CDP12, F08, HH10a, Hor98, JYZ95, vSc92, vs93, WBCK02].

Diagonally-implicit
[But93, BW03, CDP12]. diagrams [Mar93].
diameter [CL07]. dichotomically
[ELLE02]. diesel [SM08]. Difference
differences [Gul15, Zeg97].

differencing [AEF+, Dea11, RK91, van86b]. different [DJM09, GGG16, HS02, JT09, LWD+09, SWFK13, SC08, Yu99]. differentiable [Zha09]. Differential [BGHR12, BHG+15, Jac87, Mar02, Pet87, Rei85, RU07, Abu04, AB88, AM99, AM00, AMC08, AT93, ABF09, AF89, Arn93, ARS97, ALP+96, ADH00, AV00, BS14a, BJ05, BHIJ06, BKM95, BF92a, BT97a, BBPR05, BP06a, BL05, BK09, BJ05, BZ92, Be97, By01, BMGGG12, BGGG13, BDF89, BF92b, Bho12, B1a01, BTBV87, BR94, Bok03, BJ11, BMPR15, Bre06, BP92, BMM97a, Buc06, BS12, BC98b, BB96, BDF96, BB98, Bnt92, BC95, B936, B938, CC90, CGA96, CL01a, CHZ14, CD95, CSS87, CCM02, Cha98, CZ12, CL01b, Chi12, CST97, CN11, CN15, CP03b, DS95, DR09b, Den93, DL13, DB08, ELCWS98, ESEKZ10, ELLE02, EGL09, EMMK01, EHH97, Em06, FMMK01, Fan11, FL03, FTP07, Fel06, FT06, FNT06, Gan09, Gan96, GS99a, GPA06]. differential [GLM09, GN86, yGQwSwC05, yGYz07, yGpW90, GGO13, Gu01, HM87, HZBM05, HJ05, Hig93b, HWX15, HR96, HL89, IM98, Ise02, JL91, Jac93, JVZ95, JY95, JZ96, JVZ97, Jac02, JWR06, JZK06, Jay95, JW01, JCN94, JMY10, KPY15, KV95, KK11, Kau95, KO96, K080, Koz94, KP15, KKR15, LHH9R94, Lay09, LPZ00, Li05, LQ14, LSL11, LSL14, LP00, LS98, Luc05, MDD14, MP96, Mr95, MT11, MZK05, MT06, MP94, MN08, Mur99b, NMKE13, NT92, Olt92, Ost93, PM05, Pau92, PT11, PAJ12, Pot97, PM14, PG02, Pk05, Pk09, RA05, RKVZ15, RTV00, RT0V02, SS08a, SA90, San89, Sar05, SA12a, SMEN04, Sch02, Sch97, SD13b, SG06, SZ12, uVS13, Sol15, SvDH96, SvD9H2, Sp97, SL01, Tan93, TEM15, Tho85, Tia15, TB01, T1YJ11, T1AZ13, TV91, Tro93, VV09].

differential [Van00, Ver96b, WGKS12, WLZ08, WG10, WC11, WWX13, WGW15, WAWV12, WYL11, WB92a, WB92b, WSS97, WD92, XFLC00, Xu13, YBL13, YC13, ZG92b, ZH92b, ZC10, Z0S4, ZP97, ZP98, ZX90, ZC99, ZAB15, ZK00, Z9u95, dDF+94, in 92, in 95, in 96, rVST, vSW90, van96, vS97, vVD9V, vH590].

differential-algebraic [Arn93, BL05, BKP09, BDF89, DS95, EGL09, Hig93b, Jay95, JW01, KKR15, LPZ00, Luc05, MP96, Mr95, Mur99b, Ost93, RA05, SA12a, ZP97, vB95].

differential-delay [KO96].


differential-functional [ZK00].

differentiated [KP92]. differentiation [Bal00, Ber86, DGD03, EES05, Jam05, RH92, Ske89a, Ske89b, ZL11b]. DiffMan [EMMK01]. diffractive [DHL00]. Diffusion [GM85, AS11, ALMM96, ALMM98, ALMM01, AB12, AL98, AB05, Bar05, BL15, BAD3, BM10, BO04, BBR0809, BC08a, BBCS05, BC04a, BM04b, BW97, Bla00, BTVD10, BFdS10, BK12, BC97a, CGGGS11, CFC09, CF0N1, CM02, CT93, CD0W13, CJLS98, CF08, D0h1, DX1Y90, Den15, D1N1a, Die15, DHM09, DL06, EV96, FMP04, Fk00, FV87, Fra14, FJ95, GAML04, GS15a, GLS09, Gas92, GV02, GPPR12, GS94, HM15, HW06, HS95,
itHW07, itHW09, itHM13, HFL13, Jia12, JT06a, Jun06, KM95, KV07, KC03, KOW05, KL09, KS01, KS04, LWT07, LW93, Lan95, Lan97, Len00, Li01a, LY09, LS09b, Liu09, LY05, LO96, MOS02, Mar05, Mat09, MOSW00, NS03, NMB10, OQ15, Par04, PS09, RSL89, Ry93, ST11, ST14a, SZ99, SM13, wSJP15, SG09, SG07, SW13].

diffusion [SL15, Str98a, ST08, Su94, SWW11, SvdVvD06, zSW06, TSB10, TH09, Tro96, TMM15, VA05, VVR08, Vej10, Wan01, WL09b, Wan09, WZW13, WW14, Wei09, WB03, Won08, WG11, YL13, ZMC13, ZCZ15, ZML+12, ZX12, dlHV13].
diffusion-wave [zSW06].
diffusions [Dah02, Spi90].
diffusive [BMMZ06, C¸K13].
digital [GG95].
dimension [HL89, LL98, MP11, SSvG10, TM04, WSS97].
Dimensional [Per88, Pet87, SR88b, TMS87, TD09, AS11, AW03, ASCM02, Bac14, Bak89, Bar09, BRBS09, BG11b, BFA93, BS94b, BBL15, Bri85, BS12, BF95, CH01, CDW13, CY05, dCCSR03, CMCGTR02, Dhw09, DE06, Deh01, DCC14, Din93, DN08, ELCWS98, FP02, FD97, FdSB02, GX11, GMM09, HZ09, Hor99, itHW09, HK85, HR97, JTB15, JT06a, JGK11, KV07, KF97, KCC04, KS09b, LM00, Lan95, LCHR03, Li16, LS07b, LAH09, LS93, LMW07, Med96, Moo95b, Moo95c, Mus11, NY13, PR90, QM10, Sch91, SLJ86, SR09, SX09, SJ11, SZE+92, SvdHK94, SK96, SW12, Su94, SWCH15, TJ12, TV91, WZL13, XC85, XL09a, ZCSH11a, ZQLK11, ZCSH11b, dlHV13, vSK97].
Dimensions [MIZ87, BHJJ06, BD11, CMP03, EFLFP09, FL09, Gar03, KZ13, Mar05, MD96, Ros93, Str98a, TM05].

diminish[Ano87a, JL86, JL87].
DIMSIMs [Jac02].
Dirac [Gia12, GGS04].
Direct [ECB07, Leo10a, VV95, YC13, AT93, BJM01, CM02, CGCMTR02, CCJ99, CMCGTR02, DB08, HFL13, HT94, LCGG01, Map05, Zla85a, MS13].
direction [ACM91, BJ00, CSXL14, FMU15, GX11, JL94, KH91, Phi87, XZZL15].
direction-dependent [KH91].
directional [BKR13, Dal13].
Dimensions [Bie87, CXZ14, Sch99, dRT99].
Dirichlet [Ant13, Bie12, DP85, DY03, HJ09, HBJ09, MH14, Mau08, OMP98, vR04].
Dirichlet-to-Neumann [Bie12, OMP98].
DIRK [Ale03, Cam99, H010].
disadvantages [Car09b].
discontinuities [AG05a, AGY08, CFXZ06, Hig93a, JD09, KS07, WB92b].
discontinuity [DL13].
Discontinuous [BP06a, Cas06, Fre98, GHH09, SW05, AKG14, AL09, AW14, AFS11, Aug89, Bac14, BVT14, BTP96, Bus06, CP06, CGN03, CCK08, DGN12, DN13, DL13, ER07, FJ95, HLM09, HSS07, HMP14, HJ03, KPY15, KWLK00, KXR+04, KQ13a, KQ13b, LH11, LHS00, LZ14, LS07b, Mus11, SA12b, SZ09, wSP15, SvdVvD06, Tem15, VSeYD02, WCLX09, XF06, YT00, ZY14, vR04, vVS08, vB95].
discontinuously [VT91].
Discrepancy [Sch04].
Discrete [DLM05, Ehr08, FHK05, Har93, LMS08, AM09, Ale11, BS14a, BM12a, BK13, BRIP08, BCE04, BF09, BH96, BL06, BGS02, CXNX14, CRS05, CMS04, DA00, DV95b, EV96, Enr06, FGRP12, GBF99, Gon06, Hu99, KPR12a, LOS03, LS12, Lryu12, MRH14, PR09, PT11, PD01, RT14, zSW06, Vej10, YK04b, ZWK15, ZR15].
discrete/continuous [GBF99].
discretely [FV01].
discretisation [BDM03, HvdHV10, TGB08].
discretisations [Mat09].
discretised [HS95].
Discretization [AB09a, FI03, LS98, AMT13, ASZ15, AKT97, AB12b, BM12a, BW95, BK12, CGT13, CLT97, DM11a, DT10, GHK16, GAW09, HL99, HT94, KDAK13, KPR06, KVY15, Kra02, LPT94, LO96, MS86, NBTNGV11, Rei99, Rob01, SW12, Tau09, VB07, VL08, YB10, vR04].
discretizations [AMC02, APJ10, BVV09,.
BJ01, BJ06, Fun04, GLV06, Gje07, GT93a, HS98, HW97, HST14, HS97, LO95, Mul99, Osw97, PJB04, Sch02, Sch87, Str98a, vSK97.

Discretize [SC11]. Discretize-then-relax [SC11]. Discretized [Imo00, ADH00, BN12, DJ10, Guo15, Ise97, Poh93]. Disease [HL97].


Dissipativity [Gan09, Hua00, WYL11, MDD14]. Distances [CP07]. Distorted [WG11].


Divergence [CHSS01, GDS+15, HZ12, HS97, Mat08, MP15, Pas91]. Divergence-Free [HZ12, MP15, Pas91].

Divergent [BW15, CFV10, Wen10a, Wen10b, ZJ10]. Diversification [AD99].


Domain [MMBB07]. Domains [BL07, CL08, CM02, Hua00, BS91, CES91, IVA93, JM06, KG90, Kop89, Kj99, LY08, ML91, Pas91, Pav90, TMS87, AMR14, ABG+15, BM89, BRVC09, BP90, BH12b, CG99, CM14, CFR03, DF11, DDZK05, De 93, DDS89, DHL00, Dor91, Dou91, DY03, EZ98, Ew91, FL05, Fat12, FPPS00, Gas92, GK09, Gen10, GCP91, GHF00, Haa97, Hab08, HZ09, Har89, HSS07, Jun97, Kok08, Kuz90, LLL08, LY09, LR00, LOM98, LS05, MS86, MH14, Meu91, Mit97, MLB97, NRVF08, NMB10, Par04, PR09, PR90, RAS99, RV04, RV05a, SH10, Ste05b, SM89, Su94, Tse00, Yu99, ZPT92, ZHL03].

Domain-Based [Har98]. Domains [BL07, CL08, CM02, Hua00, BS91, CES91, IVA93, JM06, AH00, ADH00, Aya09, Bu04, CKP15, DG96, DM11b, Ehm02, EK97, FL05, FMP04, JF95, Gus87, JRT90, Leo10a, LSGK15, Lub04, LS05, NRVF08, Pwk94, Pul86, Rob10, SB03, SD93, Tad86, Tur93, VS91, VT91, ZML+12, dPT96].

Dorring [DS01]. Dormand [EL97]. Double Diffusive [CD13, DS97b, MK14, MCS06, Wei10b]. Double-Diffusive [CD13]. Doubly Driven [BW06, WKP12].

Downwarding [YM04a]. Downwind [BW97]. DP [DHS05].

Drift [BK12, DR09a, Fou00]. Drift-Diffusion [BK12, Fou00]. Drift-Implicit [DR09a]. Driven [AKT97, DGM09, Guo00, Mik97, M99b, RBC02, RT01]. Driven-Cavity [Guo00].

Drummond [BRZ10]. Dry [BDMG12].

Dual Systems [AEB99]. Duals [MB08].

Dynamic [HL89, MC00].

Dynamical [CLT97, Jez04, Ann95, Bai02, BM06a, BCF+13, CH95a, Car94, CCPF04, DY95b, Huo00, Ise94, LBCN00, MR06, Pul12, Ram96, RW87, Sch95a]. Dynamically Adapting [Tho85]. Dynamically-Adaptive [Tho85].

Dynamics [MIZ87, SH97, ZB07, AB12b, AS00, ADH00, Aya09, Bu04, CKP15, DG96, DM11b, Ehm02, EK97, FL05, FMP04, JF95, Gus87, JRT90, Leo10a, LSGK15, Lub04, LS05, NRVF08, Pwk94, Pul86, Rob10, SB03, SD93, Tad86, Tur93, VS91, VT91, ZML+12, dPT96].
each [GGG16]. early [ZGO12, ZO14].
early-exercise [ZGO12, ZO14]. Earth
[Nak05]. earthquake [FKA +13].
Economical [BM06b, CN11].
economicization [Som86]. eddy
[BKP14, LCVG01, MS08b, RV09, Sc14].
eddy-current [RV09]. Edge
[CS04, BG06, CXZ09, KM95, DK98, PPS05, Sou09].
eddy-current [RV09].
edges [JGK11]. Editorial
[Ano87b, Ano03e, Ano04f, Ano04g, Ano04h,
Ano04i, Ano04k, Ano05d, Ano05e, Ano11a, GW02,
Vic05, Ano91, Ano93, Ano03f, Ano04d,
Ano04e, Ano11b, Ano11c, Ano11d, Ano12a,
Ano12b, Ano12c, Ano12d, Ano12e, Ano12f,
Ano12g, Ano12h, Ano12i, Ano12j, Ano12k,
Ano12l, Ano13a, Ano13b, Ano13c, Ano13d,
Ano13e, Ano13f, Ano13g, Ano13h, Ano13i,
Ano13j, Ano13k, Ano14a, Ano14b, Ano14c,
Ano14d, Ano15a, Ano15b, Ano15c, Ano15d,
Ano15e, Ano15f, Ano15g, Ano15h, Ano15i,
Ano15j, Ano15k, Ano15l, Ano16]. EEG
[LWD +09]. Effect
[CRTU15, LR03, AD15, ADH00, BKM13,
BSQ96, EK96, HD04, Spi95, dv95a].
Effective
[CG92, LHH08, LH09, AA87, BS96b, But98,
LS12, Ror06, RT95, TSFB01, Tsy96].
Efforts [BO87, FI03, KK03, vB95].
efficiency [CZ90, Fuj02, Lay99]. Efficient
[BF15, BIM15, CH01, Deh95, DB08, DK14,
EH06, FTB97, HLM09, HST14, Kwa09,
LV12, LS86, MR01, SS08a, Woz10, YK04a,
ZGO12, Zou11, de95b, AG05a, AG12,
BD85, BS97b, BM01, CFX08, CJL13,
CKB13, DR09b, DI11, Gla93, Gla94,
GPHAM12, HKZ08, HS86, HS11, Hu98,
LWT07, LTC03, Lei02, LBCN00, MVVA09a,
NMB10, Ric08, STI4b, SWR11, YK07,
Zha01]. Efficiently [BC89b]. EFIE
[LCQ12]. eigenbasis [GT15].
eigenfunctions [Bie12, HM09, Pru00].
eigenmodes [LLL08]. eigenpairs
[Jia02, YSBL14]. eigenproblem [JP93].
eigenproblems [Jia00, Pet92, RA09].
eigensolvers [AG05b]. eigenspace [LfX15].
eigensystems [Tan87]. Eigenvalue
[Nak12, ZGL98, AGM09, AG05b, AC08,
AP08, BGO13, BNH01, Bou16, CL08,
CJX11, DDP12, FdB02, Gen10, GGO12,
GCP91, Jes93, Khe91, LVF14, LX09, LFX15,
Mat05, PV93, SLJ11, SLO15, SLO1b, TM15,
YLL09, YSBL14]. eigenvalues
[AT13, BC99, Bie12, BG14, BMV06, Con99,
Ghe97, HC01, LFX15, Mor05, Orey93, YBL13].
eigenvector [BGO13]. eigenvectors
[HC01, LFX15]. eighth [Wen98]. eighth
[EL97]. eighth-order [EL97]. eikonal
[ACM06]. Einstein [ZB07]. Elastic
[CLP15, Abr93, CFKS07, Che88, DG96,
DT89, FJH +01, HS07, IT07, KKK06, LH11,
LR01, LR03, RL06, Sim98, XCS85].
elastic-visco-plastic [HS07]. elasticity
[BF01, BBG14, BRS05, CHX13, De 93,
DN13, LHC09, MOS12, MG00, SS99, Wan05,
XZL07]. elastodynamic [DS15].
elastodynamo [AY12].
elastoplasticity [BS02, SW11].
elastostatics [AO94, FMGN94]. electric
[Dav98, ESS15, GR93, LW07].
electrical
[BBS11]. electro [FPS15, RV09].
electromagnetostatics [RV09].
electro-mechanical [FPS15].
electroelastic
[MS04].
electroencephalography [FOM05].
Electromagnetic
[DR85, CM14, Du11,
EH05, GAW09, HAB08, HM86, IJ14, LGH11,
Par14, Ric08, WN12, WWL08].
electromagneto [BGM +09].
Electron
[DR85, TMS87, CPD +05, PCA10].
electronic
[BLW02, SW06].
electrophysiology [NK11]. Element
[BS14a, BW86, BTDV10, CF86, Rei85,
ZW87, AL09, AM13, AS97, AK00, ADK94,
AA97, AKL08, ABR05, Arc06, AMH03,
APJ09, BSGU94, BC12, BHJ05, BP14,
BY00, BF01, BM01, Beh97, BB15, BC08a,
BMS89, BC08b, BGM08, BKP14, BDF94,
Bla00, BC01, BBD08, Bof06, BG14, Boh03,
Bra00, BJM01, BD11, Bür12, Bür13, BL08, 
BH12b, CLT97, Car09a, Cau08, CS94, CH01, 
CX01, CC04b, C04, Ch07, CXZ09, 
CCLT10, CL10, CJX11, CHX13, CSXL14, 
ÇK13, Cod08, dCCSR03, Cop03, Coy12, 
DB97, DDS89, DM11a, DLP06, DN08, 
yDqGnJT09, DL06, DR93, EH07a, ER07, 
EFLFP09, FS15, Fat12, FMGN94, FLÖ97, 
Fre98, FJS99, GAML04, GM10, GAW09, 
GLPW09, GG01, Gol86, GHT05, 
GGG16, GS94, HLZ14, Har10, HKZ08, 
HLM09, HSS04, HL08, HMdV03, HL02a, 
element [HL03, HvdHV10, HW97, Hsi06, 
HLC01, HZ02, HZ12, JJ94, JP08b, Jeo09, 
JK14, JEG10, Joh01, KDAK13, Kar89, 
KK09b, Kim12, KJ99, KFOF02, KZ13, 
KN93, Kuru98, KX03, Kew01, Kwe03, LHC09, 
Lam13, LCHR03, LP05, LWD09, L98, 
Li00a, Li01a, LHH08, LH09, LA11, Li12, 
Li16, LX09, LLS+96, Lin09, LAH09, LL02, 
LW95, Luc95, LZY09, MD00, MK14, Ma06, 
MCS06, MZS10, MD96, Mou03, Mul99, 
Nak05, NY13, Nke07, Pec09, PPM05, 
PPT95, QMLC15, Ric91, Rie94, Ris05, Rob10, 
RV15, RX08, RBT15, RA09, SS00, SG00, SD11, 
SD13b, SH10, SWX00, SA00, SG07, SD09, 
Sol15, TW00, TM04, TM05, VO00a, VMS07, 
WZ13, WK00, Won08, XL09b, YGY15, 
YLL09, YS09, YY13, YSBL14, ZO09, 
ZC15, ZPT92, Zhe07, ZWK15, dFN00, 
van95, BTDV10, CLR11, element-free [Li16, ZOZ09], Element/Spectral [BTDV10], Elements [CHM09, AW03, Arc06, BHJJ06, Ber04, 
Ber05, BG06, Bot97, Bra00, BL08, BH12b, 
CZS04, CYM09, EJS11, FM11, Fun94, 
HLM09, HLY04, HLZ06, HMW05, HJ03, 
Jun06, KOS+12, KX03, LPT94, LM00, 
LH02, LMWZ10, ML91, MM02b, Pav00, 
Pic05, ST08, TW00, Tro96, TMM15, WB90, 
YBL13, Yi12, Zeg97, Zha09], eliminated [Man08], Eliminating [ACM91], elimination [AGP97, GP93, GY94], elliptic [AK09, AB09a, AM14, BS14b, Bar09, 
BGG04, BGH08, BHR05, BSZ15, BH97, 
CL08, Cas06, CSS87, CES91, CC04b, C04, 
CYM09, Che12b, DDHS97, DT15, DP90, 
EP15, EH01, FG08, FLR08, GSR00, 
GRLL1, Gon06, GGR97, Har10, HM01, 
HMDV03, HOS11, JP08b, JSS9, Jeo09, JK14, 
KL98, KG90, Kim07, KS09a, KS07, LHRH94, 
LHH96, LH02, LMW10, LX09, LY03, 
LAH09, LL02, LP01, MM02c, NY13, OS08, 
RTV00, RTV02, Roz05, Sch87, SD13b, SD09, 
TL07, VOO0b, VSeYD02, Wan07b, WCXL09, 
WCW14, War92, YGY15, YSBL14, Yos00, 
XBY95, ZT15, ZWL11, Zou10, Zou11], elliptical [BGDG09, DSV13], elliptical- [BDG09], Embedded [KNT13, BGDP06, BDPP99, vR04], 
embryogenesis [MSS+15], Emden [LO03], emphasis [GR02], Enclosure [RBBC85], end [Agu15, Wel10b], end-point [Wel10b], 
endgame [WWS+93], ends [RL06], Energy [AFF+15, EFLFP09, ZHL08, Bar12, 
BFGP08, CLC04, GM08], engine [NER95, NR97, SM08, van98], engineering [SW95d], engines [Fer14], Enhanced [BB94, CCC08, GT00, Aff94, CHX13], 
enhancement [BGO13, WZ02], Enlarging [Zha07], ENO [AMR12, BL06, HS98, KS09b, SZ9+92], 
ENO-discretizations [HS98], enough [Emr06], ensures [Rob01], Enthalpy [Jes85, Ros93], entire [Dés08], entropy [CDI91, HJP10, Tad86], environment [GGNP02, KLS13], environmental [DMP08], environments [LS99a, RN04], 
epidemics [HJ06], equalities [MMP09], equality [LDP+14, ZP12], Equation [Ant13, PB10, PGM86, AS11, ABJ12, 
ADK94, AS04, Alc11, AT15, ACM06, 
AB10b, Ang06, AM10a, AD01a, ABR05, 
AR15, AP10, AM04, AED12, ADH00, 
BF92a, BS06, BOEP00, BM01, BGT97, 
BCM04, BMGGG12, BN12, BM04c, Bho12, 
BDKM92, Bor02, BDN+97, Boy91a, Boy07, 
BFdO07, BP92, BPTT15, BR97, BC97a,
BB98, CGT13, Cai09, CFS13, CGP15, CCG13, CM09, CJL13, Che88, CH01, CDW13, CHH15, CLP15, CF13b, Cho13, CCL04, CCK08, CRR03, CH89, Dav98, DS07a, Deh01, Deh05, DS97b, DSK12, Duj09, EZ03, EVO04, EVO06, Est95, FP02, FRRTJ10, Fd196, FT06, FL09, FL15, FI03, FG13, Fre98, FFF09, GGN12, Gia12, Guo96, GGO13, HZ09, HM15, HILK13, HL070, HS95, HW04, HvdHV10, Hor99, Hor02, itHV09, HK85, HLY04, HLZ06, Ise97, Isk89.

Equation [JR00, JRW06, Jْez99, JR02, KDAK13, KBS11, KO96, Kim95, Kra92, KK86, KR01, Lem00, LHWH08, Li08, LD97, LO03, Liu97, LP01, LMWZ07, LZ90, Lyn99, Ma03, MDP10, MRR11, MB10, Mai09, MP11, Mar93, MVA90a, Mar05, MG97, Moe98, Mul99, Ngu15, NMB10, ONP, PR98, Pau92, PR90, Phi91, Ric94, Rob01, RT14, RM09, RS00, SS08a, SS94b, Sim91, SG09, SDK15, SL15, SG92, Su94, SWR11, TM092, Tar98, TOD11, Tia15, Usm97, Van92, jWyG08, WL10, WN12, WZW13, WC14, WW14, WS04, X085, ZML 12, ZR15, dVA02]. Equation-based [PB10]. Equations [BGHR12, BGH 15, CP09, Jac87, Pet87, Rei85, ST86, AS13, ALMM96, ALM98, Abu04, AQS94, AB88, AMT13, AK09, AM09, AM00, ACM08, AHR12, AT93, AAM03, AB07, AW03, ABF09, AF89, Apa93, ARS97, ALP 196, ADD14, AM10b, AFF 15, AO91, AV00, BSG94, BHHJ05, BHJ06, BKM95, BBPR05, BP06a, BL05, BKM13, BLW07, BKP09, BJ05, BGS06, BSRD91, Beh97, BZ92, Bel97, BO04, By01, BB15, BG11b, BGGG13, BF92b, BW95, BG02a, BG03, Bla01, BC01, BrTBV87, BDF05, Bok03, BVV09, BF09, BBL15, BJ11, BJH13, BCG13, dLB93, BTHV10, BV01, BVR14, BFdS10, BMPR15, Bre06, BS93, BS08, BK12, Bru92, Bru97, BMM97b, BMM97a, Bru07, BL06, Buc06, BH97, BDM03, Bır12, Bır13, BCS06, BC89b, BB96, But92, BC95, BJ96, BJ08].
equations [Cah92, CFZX06, CXN14, CLT97, CdF01, CC09, CGA96, CL01a, CP04, CHL07, Cao10, CHZ14, CKPS15, CD95, CSS87, CCM02, Cha98, C0, CT93, CH01, CL07, CZX09, C12, CL14, CSXL14, CH15, CL01b, CRU15, Chi12, Chi93, CK13, CJC99, CY05, Cod08, CSN00, CST97, CN11, CG14, CP03b, Cun95, CT11, DG07, D05, D09b, DJ10, D0X09, DM09b, DZ12b, Den15, Den93, Der92, DM11a, DCC01, D97a, Die15, Dok05, DB08, DBBH14, DLL04, DGRS09, DSSC13, DC09, Dor01, DL04, DS01, EAV16, Ehr08, ELCW98, ESEKZ10, EV96, ELLE02, EGL09, EMMK01, EH97, Enr06, EK06, EO99, FLS94, FS15, FMMK01, Fan11, FL93, FJ97, Fel06, FNT06, FCX06, Fer09, FPR12, FV87, FJ95, FJ099, Fre04, Fuh01, Fun04, Gan09, Gan96, GS99a].
equations [GX11, GLW14, Gar96, Gol86, GLM09, Guo05, GN86, GS94, Guo00, yGyWsWC05, GH07, yGyZ07, yGpY09, Guo15, Guo01, HGP11, HP85, HN03, HM87, Han93, HZBM05, HO10, HHT97, HJ05, HHC08, HL08, HS86, Heu00, Hey10, HL03, HLMKZ06, HXW15, HW15, itHW07, itHW09, itHM13, HX11, Hu99, HR96, Hu98, HLL09, HZ12, HFL12, HV95, H89, IM98, Iga85, Is02, IRC12, J0L1, J94, KV95, JVZ96, JZV97, JK06, JM999, JK12, J08, JW01, JEG10, JCN94, J0h01, JUMPY10, J06a, J06, J02, K96, KV07, Kan89, KX91, KX92, KN03, KO08, KP15, KS05, KT05, KV95, KK11, Kau93, Kau97, Kel85, KLC00, K80, KO92, KF97, KS02, KLY05, KS08, KS07, KOW05, KNT3, Koz94, KCB02, KP15, KN93, KLSW10, KKR15, LH11, LHR94, Lan95, Lan97].
equations [LP05, Lay09, LT12, LHS00, LPZ00, LH02, LI05, LHH08, LY09, Li11, LA11, LZ14, LSW11, LS12, Lie01, LKJ07, LS13, LW92a, LW92b, LY03, LW07, Liu09, LZ14, LN12, LR00,
LO95, LO96, LS98, LRE04, MDD14, Maj14, MS08a, Man96, Man97, Mar99a, MVVA09b, Mär95, MZK05, Med96, MT06, Mie89, MOU14, MP02c, MD10, MP94, MN08, NK11, NMKE13, NT92, Ngu15, Nke07, Nor97, Oji88, Oly92, OT02, OS05, Pas91, PM91, PT11, PD01, PP92, PAJ12, Fot97, Pow94, PM14, PG02, Pul05, Pul09, QLL+08, QM10, QR03, QMLC15, Rab94, RZ00, RA05, RR14, RG05, RV05a, RA03, RT00, RTV02, Ric91, Ri92, RS08b, RLLS06, RK91, RSK14, Roz05, RT95, SST12, SA90, San89, Sar05, SH09, SKBAS08, SA12a, SS99, Sch98, SZ09.

equations [Sch87, Sch95b, Sea09, SB14, SD11, SD13b, SG06, SH10, SV00, She96, She00, SY05, SY07, SZ12, Sid02, SG07, uIVS13, SS13a, SvdHN86, SCvdH92, SW13, Spi97, SMA01, STS00, SCT05, SW12, Sti03, Str98a, Sg05, SBB09, SS12, SWW11, SLZ10, Tad86, Tab96, Tan93, gTrpM07, Tut90, Tem15, Tho85, TLV92, TB01, TY11, TZA13, Ton04, TH09, TLSS09, TV91, Tro93, Tre96, Tsy96, TY98, UNGD08, VG04, VA05, VB07, VBD93, VD09, Van09, VCC12, V96b, Vic87b, WGKS12, Wan01, WY02, WZL08, WL09b, WG10, WC11, WXX13, WZL13, WCW14, WGW15, WAV12, Wei09, WYL11, WB92a, WB92b, WB03, WSS97, WG11, WdG92, XFLC00, XL09a, XL11, YH00, YS09, YT00, YC13, YX95, YLS+09, ZdBTO3, ZG92b, ZH09, ZC10, Zha14, ZZW97, Zha01, ZSJ04, ZP97].

equations [ZP98, ZX90, ZCSH11a, ZCSH11b, ZC99, ZAB15, Zou10, ZK09, ZM06b, D95, dDF+94, de 92b, dG91, dPT96, dIH13, in 92, in 95, in 96, tV87, sVSW90, van96, sV97, vvdHSW98, vvdVS08, CDP12, RMM12]. equi [BKR13]. equi-directional [BKR13]. equidistant [DS97b]. equidistributed [BM00]. equidistribution [BM91].
equilibrated [Yi12]. equilibria [Eir99, GPHA06, Sch02]. equilibrium [DJL04]. equispaced [BS09]. equivalence [BC89a]. equivalent [PSP04b, RMCG04].

ERES [CKM10]. ERKN [WWX13]. Ernst [CHM90]. Errata [Tsy96]. Erratum [Kn95, ZCSH11a]. Error [ADK94, AD01a, AD01b, BS06, BJ02, Bel91, BC04b, CC08, Coo89, DM11a, DHM09, GGM95, Hgg93a, Kre07, LL98, Li16, LW92a, LT01, OS01, PD01, Rei85, RL06, SW11, SS94b, SZ12, SG07, Spi96, SWCH15, Ton04, jWqW09, WWX13, Zhe07, Zup04, AW14, AC15, AOW94, AG97, AKT97, AGJM04, AB12a, AP08, AAD14, AFF+15, BLS94, Bac14, Ban97, BGO13, BM13, BS14b, BM13, BBG14, BRVC09, BC04a, BC01, Bor97, BHR05, BGP11, Boy15, BM60b, Bir12, Bur91, BP60b, CP04, CL06, CMP03, CKK10, CH98, CY05, CF05, DDD97, DDP12, DMP08, DM96b, Do14, Dra97, EFLFP09, Fac03, FHM+02, FV85, Fid96, Fel06, FH10, FM11, GHH09, GMS12, Goo90, GHT05, HZ96, Han93, HOS11, HLMKZ06, HLY04, HLZ06, HWW05, JR02, Joh01, JM94, Kim07, Kim12, KS89].

error [KMS10, Kwe00, Kwe03, LCHR03, LSK12, LZ14, LX90, LY03, Liu09, LO96, Ly02, MSP10, Moo04, Neu88, NY13, OZ96, Roz05, SS09, Sim94b, TLSS09, TM04, TM05, WH13, WKP12, XL11, YSBL14, Yi12, ZCZ15, Zou10, Zou11, Zup03, de 92a]. error-based [Moo04]. error-minimizing [Bor97]. errors [AC96, ACM91, BMGM12, BS96, Bor10, HV95, RB12, Sid14].

ESDIRK [Ran15]. ESIRK [BC98]. ESPRIT [PT15]. essential [GS15b, jWqW09, hYqW12]. essentially [DSZ15b, DSZ15a, HOEC86]. estimate [AA04, AC15, Bel91, BGP11, CP04, FP02, Kwe03]. Estimates [BG02a, AG09, AW14, ADK94, AD01b, AP08, AV91, Bac14, BS06, Ban97, BS4b, BJ02, BC01, BC04b, BG06, BM60b, CL06, CMP03, CC08, DDP12, DM96b, DM11a, Dol14, DHM09, FHM+02, FM11, GGM95, HLY04, HLZ06, HWW05, Joh01, JM94, KPY15, Kl15, Kre07, Kwe00,
LCHR03, LL98, LMWZ10, LZO4, Li16, LY03, LO95, LO96, NY13, PD01, RL06, SW11, SG07, Spi93, SWCH15, TM04, TM05, WH13, XL11, YSBL14, ZMC13, ZCZ15, Zou10, Zou11, Zup03, Zup04. estimating [YK07].

Estimation [BCM03, Fuj99, Rei85, RVdCVR02, AOW94, ASZ15, AMV03, AB12b, BLS94, BGO13, BD07, BHR05, BP92, BP06b, DDDS97, DTS9, EFLFP09, GHT05, HLMKZ06, Kim12, LSK12, Moo04, OZ96, Tia15]. estimations [Fdi96].

Estimator [AFLP12, AKT97, BKS07, Bür12, HOS11, LS12, SZ09]. estimators [AFF+15, BBG14, Kim07, SS00, Yi12].

ETRs [BT97c]. Euclidean [BS00a, CP07].

Euler [ALMM01, BRSD91, Bor10, BW15, BCG13, Boy91b, CHPV09, DLN04, DGRS09, Feo06, Fre04, HN03, HS86, JKW12, Moo04, OZ96, Tia15]. Eulerian [KCC04, RVD00, Sea09].

evaluate [CPD+05, LL15]. Evaluating [EC07, ACM09, BVBO9]. Evaluation [BOS7, BP02, BK06, DFC09, EW97, JBLC11, NRZR12, Po15, ST14b, SGN08]. evaluations [Dah02]. Even [AS05, BVTBV87, TV87]. event [Aca12].

evolution [BG02a, CLT97, CFS07, CNS00, EH91, HN03, Ho10, KNT13, LT12, LMWZ07, Mik97, MS99a, OS12, PPC00, RT14, SG92, Taha96, XLI1]. evolutionary [BJ01, CJLS98, CG14, Gari96, PM91, Zeg97].


exercise [ZGO12, ZO14]. exhibits [SG92]. Existence [Fuh01, HS95, KP15, Ma03, FL01b, Gu01, HHT97, Spi13]. existing [CZY08]. Expanding [HW93]. expansion [Boy07, CKK10, Fel06, Han93, Hig93b, HH10b, LX09, NS13, Wa90, WE99, Zan01].

expansions [AR93, Bor10, CJM88, DC09, Har00, KP92, LC99, Mac92, Mie89, ZO14]. Experience [Ney95, SD93, BR97]. experiences [BSFDM02, HvdHV10]. Experiment [TYKK01a].

Experiment-based [TYKK01a]. experimental [Aya09, FHM+02, KKN+13, SA08].

Experiments [BH85, HG98, Sch97, BG11c, CFS07, JMP06, PW98, SY03, SH02, SG92, TOD11, VP91]. Explicit [AM99, Cha98, CS03, Con01, DM11b, HLR01, Noo95, Rie91, Som93, VS95, Ver96b, WVBM88, AS04, ARS97, BC08a, Bos99, BH93, Bur85, BB96, BW03, CB95b, CMRD11, CZ97, CCG13, CV95, FW07, FW08, FD97, FH97, Gjo7, HS99a, Hou95, HY02, HZ02, JH03, KKP07, KCL00, KW98, MOU14, NMKE13, Otv92, Ost93, Ric94, SWJ09, SG96, SV00, uVS13, Som86, SS09, Tsi01, Ver96a, VBF96, WX13, WK12, WG11, WD92, vSW90]. explicit-implicit [WD92]. exploding [NMKE13].

Exploiting [GV04]. Exploring [Her91].

Exponential [CGP15, Duj09, HO05, QR03, RK08, TGB08, WEA12, ABK12, AB14, ACM09, AEF+14, BP12b, Bor10, CO09, CL07, Har00, Has13, KNT13, LY10, LZL14, MS99a, SW09b]. Exponentially [BO11, VV05, VV09, AW03, GS94, VV07]. Exponentially-convergent [BO11]. Exponentially-fitted [VV09, VV07]. exponents [BH97, DV95b]. expression [Pre90]. Extended [Hey10, KCI03, SV00, Sim10, WX06, Bar05, BL86, BT97c, CL85, CZ12, KD13, Sim93, YT03, ZH09, van86a, CLR11]. extension [AGM09, AKF92, EL97, Haa97, HZ02, MST09, TM05, Ye04].

Extensions [BRZ10, AFS02, BS05, CW98, VZ93].
exterior [BM13, EB12, FL15, Gon06, Har98, HK85, MM02b, RS00, Zhe07]. extracted [Dah02]. extrapolated [Cao98a, SW03].

Extrapolation [BZ94a, Bre96, CM00, WC02, Bre85, BZ91, DSS15, FS88a, GG95, GC15, HN03, LD97, LX09, LL02, NS03, Nor97, Nor99, Now96, Rha97, SMEN04, Sid90, VVR08, Wan07a, Wen10a, YBL13].

extrapolations [Cha96, CHH15, HLL09].

Extremal [DIR13]. Eyring [PT09].

FAC [MMT90]. facilities [TER03]. facing [CHK99]. factor [Mar09, SCT05]. factored [WZ02]. factorial [Bor10, Wen10b]. factorially [BW15]. Factorizable [Sid02].

Factorization [vdHS01, CM00, DSS15, FS88a, GC15, HN03, LD97, LX09, LL02, NS03, Nor97, Nor99, Now96, Rha97, SMEN04, Sid90, VVR08, Wan07a, Wen10a, YBL13].

Factorizations [Doi91, For02, Gu01, Mag91, Not92].

Failure [Gar92, KN08]. failure-prone [KN08]. fair [RN04]. falsi [CL07]. Families [DR09b, BCF°13, Bre91, BDRZ04, Hin97, vdES04]. Family [PSR04, AK09, ADM10, BFK11, GPHAM12, Kom07, OGV92a, Pan07, Ver93, YG95, YG99, Zha09].

Far [EH88, MR03, Chu03]. FAS [Sp00]. Fast [Cao03, EH05, HR14, MP98, PT15, Ram12, RN04, STS00, BP14, BDN+97, Cai09, DM12, Eng11, GL93, IT07, LCQJ12, LNZ12, Mat05, MTT90, MR04, MRS03, She00, TGB08, XL09a, Mar03, ST14b].

fastest [Dar00]. FE [HH12]. FE-analyses [HHR12]. FEA [SA05]. feasibility [vR04].

feedback [MDHK06, SA05]. Feedforward [MDHK06]. Fejér [Nov03]. fem [MOS12, BS14b, BBG04, BG14, DSO7c, GT15, GMZ11, Gas92, GMM09, GKM09, GMS12, Gon06, HY01, KMS10, Lan97, M00, MS08b, NS12, RDH+12, RV09, Sei14, UsM97, WCX09, Yos00]. fem-bem [MOS12]. FEMs [LY01, LH02]. Fer [Zan01].

ferromagnetic [Fra04b, SC03]. FETI [DHS05, Ste05a]. few [DV95b].

FGMRES [MRH14]. Fibonacci [BL86]. fibres [NS13]. Fickian [BFdS10]. fictitious [BH12b, AMR14, ABG+15]. fidelity [CKS05, Rob01, SYG+05]. Field [DRC85, AAD+80, BC12, BP85, CL02a, CKB05, Dav98, EH88, ESS15, GD09, LM00, MRS03, Ram94, Ric08, TOCW02, YK04b].

fields [DCF09, Lei99, LW07, MAG13, WSC09].

fifth [Chr01]. filling [FGPR12, LS10]. films [BCM03, SSW04]. Filon [Has09, Has13]. Filon-type [Has09, Has13]. Filter [Wal00a, HC01, SXP09, TZ00, Wal00b, ZP12]. filtering [Bar05, BGS02, LOS03]. filters [YR09]. filtration [CGN03, CD13]. final [HP14, YL13]. finance [Lai09, Le 12, SS08a].

financial [CKM15]. finding [Car94, CGD02, CY09, Iga05, Meth08].

Fine [RT02, Gus87]. Finite [BW86, BKP14, BTDV10, CLR11, CF86, CK13, Cop03, DL06, EGH01, FJS99, GAML04, GS94, JV09, KZ13, KR12, LMWZ07, MT06, NB01, NFAE03, Pot85, RBBC85, Rei85, RV15, RA09, SD09, Sol15, YGY15, ZW87, AL09, AMT13, AS97, AK00, ADK94, AA87, AAI+93, AKT97, AW03, AKL08, ABR05, ASCM02, ASC03, APJ09, APJ10, BSGU94, BC12, BHJ05, BHH06, BY00, BF01, BM00, BM01, Beh97, BK09, BB05, BC08a, BMS89, BM04a, BM04b, BM04c, BW95, Ber04, Ber05, BC08b, BG03, BDF94, BC01, Bo06, BG06, BG14, Boh03, BP97, Bot97, Boy15, Bra00, BM01, BD11, Bör12, Bör13, BL08, BH12b, CT97, CCG13, CGA93, Car09a, CHSS01, Cau08, CS94, CP05b, CMP03, CS03, CC04b, CZN04, CCL10, CL10, CJX11, CHX13, CXZ15].

finite [CML05, CC08, CNT07, Cho13, CDJT06, Cod08, DCCSR03, Con99, CMCGTR02, Coy12, DJ10, DSS89, DM11a, DLP06, DT10, DN08, DS15, DHM09, yDqGNfTC09, DII15, DR93, EH07a, ER07, EN09, EJS11, Eva94, FL04, FG98, FMGN94, FLÒ+97, FKA+13,
finite
finite-conductivity [CML05].
finite-difference [AAI+93, CCG13, CGA93, CMCGTR02, DS15, HZ09, KT05, MDP10, Mic03, MdD04, RU07, SDK15, SMD08a, ML91, MZS10, Mar99b, MM14, MR94, MM02b, MGV14, Mic03, MOU14, MD06, MdD04, Mou03, Mul99, Nak05, NY05, Nke07, Pic05, Pir09, QMLC15, Ric91, Ric94, RVD00, Ris05, RBT15, RU07, SS00, SGS00, SD11, SD13b, SH10, SWX00, SG07, SDK15, SL15, SMA01, Str98b, SH91, SLZ10, SN04, SG06, SN08, Tan93, TYK01b, To04, TH09, TK15, Tro96, TM04, TM05, TMM15, Ven15, VMS07, WL09b, WZL13, Won03, XL09b, YLL09, YS09, YY13, YBL13, YSB14, Yi12, Zeg97, Zha09, ZCZ15, Zhe07, Zou10, van95, BS14a, BGP11].
finite-dimensionality [KF97]. finite-element [Mul99, Nak05]. finite-length [SH91].
finite-part [ioa89]. finite-type [Mar99b].
finite-volume [BP97, DT10, Kal96, RVD00, To04]. First [HvdHV10, ACMR06, BC01, Boy07, Bru97, BMG97a, CHH15, HP85, HLL09, JJ94, KLY05, KW10, Moo04, gTpM07, Wu09]. first-order [HP85, JJ94, KLY05, gTpM07]. Fisher [BFdO07]. fit [Mon09]. Fitted [TMS87, AW03, AHS03, FW08, GS94, HS09a, Hoa15, Pat00, VV05, VV07, VV09, YW08]. fitting [AN15, KDAK13, PS02, PS03]. five [IMM04, MI03]. five-axis [IMM04, MI03]. fixed [Gil91, HS95, RV05b, SL08, Wai98, WYP12]. fixed-point [WYP12]. flame [RAS99, RSL89, Son91]. flat [Nak05].
flexible [HP15]. floating [Ske99]. floating-point [Ske99]. flocculated [BBCS05]. Flow [BW86, PP00, PGM86, AH09, ASZ15, AK97, BDMG12, BJ00, BL08, Cai15, CML05, CRTU15, DZ12a, DM09a, Du90, ER07, EJS11, Ewi91, EWW99, FL01a, FLL11, GM08, GMZ08, GM10, Gar92, GKH16, Gat91, GOGF03, GJR03, HJ09, HST14, KHA12, KH91, Kor95, LTC03, LC02, LMS08, MD00, MM07, Min04, Mou03, Obem15, PT09, PK91, RR00, RVD00, RZ15, RBC02, SZE92, Sh86, Sid02, SY08, SH91, SW05, TYK01a, TYK01b, TOCW02, TC03, VO00a, Zan91, ZO09, ZQLK11, dB03, vdHVW01]. Flows [CF86, Mac86, HyK86, BL91, BC04b, BBB02, BS08, CIZ96, CHPV09, CCL10, CHK99, Dia93, DMD02, DdcV10, D115, EH07a, EAS12, EL01, Fa00, FPRA09, GP00, Gla93, Gla94, HH16b, JN07, KMR09, Kar89, KWK98, Kwe99, LTO0, LR87, LP97, Mur15, PC08, QW04, RCGM98, TER03, TKN11, Tur86, XLK07]. Flowsheet [Bie87]. Fluid [CFXZ06, CFX08, CL09, DHL04, Elm02, Ewi91, FMP04, FLL11, GMM09, Gat91, GJR03, HTO0, JRT05, LTO19, LK07, MP05, Mat08, MR01, Nü09, PTO09, Pu86, RDH12, Sid02, SD39, SM89, Tur86, Tur93, VS91, VT91, Wu09, ZO09, dPT96, vBvdZdB08]. fluid-dynamics [dPT96]. fluid-structure [MR01, RDH12]. fluids [Ari04, Bir87, CMP06, FPRA09, QR03]. Flux [FM07, Kim12, AK914, Gla94, HSS07, JK14, Kni94, Kni95, Nor99, RA03, T906]. Flux-based [FM07]. flux-extrapolation
flux-splitting [RA03]. Fokker [Van92, jWyG08]. following [SZ99]. FOM [JMS99]. force [Kie15]. force-gradient [Kie15]. forced [CFC03, LBCN00]. forcing [HW04, Zen93]. forecast [WCGW95]. forecasting [RW87]. Foreword [FJ92, IN01, Vic87a]. form [Boy06, EK97, JBLC11, Kam00, MN03, PWS06, Ree03, Sin93]. Formal [Mur99a, Mur99b, WB90]. forms [BS14a, Beg00, CJ90, Eir95, Sal03, SST09, Zan91]. formula [DhW09, Kza99, SHA12, Ske89a, WC02, Zha85b, Zup04]. formulae [BZ93, Ber86, CV95, Dia95, WX06]. formulas [BDMGVO05, BGVHN10, CCBGV08, Chr01, DG00, DBCBP10, DIR13, Has08, JKN94, KS09c, Kza92, SG96, Sid14, Ske89b, Xiu08]. formulation [AA87, AFS02, BC02, BR505, BSQ96, BP95, Gat91, GP00, HP85, HH98, HL03, KKP07, KS02, Li98, LZY90, MG00, MS08b, Me96, SLJ86, Wan05, Wen98, ZdB03, DM12]. formulations [LRS09, LL08, SM13, WK00]. Fortran [GBDB97, TS06]. forward [Fre98, JM94, Mil13]. found [Duf90]. four [CPD+05, WBCK02]. four-center [CPD+05]. four-stage [WBCK02]. Fourier [ST14b, BH96, DM09b, FFQ99, GANT02, GANT02]. Friend [BM06a, CHSS01]. Fourth [BM06a, CHSS01]. Fourth-order [EH09, GX11, CES91, DZ12b, Den15, DB08, yGwWaWC05, Kat89, KZ13, PG0B08, Ven15, Wan07b, Wen98, WYP12, Zha14, BGH+15]. Fourth- [BM06a, CHSS01]. Fourth-order [EH09, GX11, CES91, DZ12b, Den15, DB08, yGwWaWC05, Kat89, KZ13, PG0B08, Ven15, Wan07b, WYP12, Zha14]. Fowler [LO03]. fractal [DdCVR03]. fraction [AR93, CJKM88, CV88]. Fractional [BJ03, AP10, BCG13, BJ01, BJ06, CD13, CJLS98, CP03b, ESEK10, KBS11, LYY15, MT06, PJB04, PAJ12, SKBAS08, SL15, SWW11, VA05, WZW13, WW14, Wu09, YL13]. fractions [Bre88, CJV88, GGMP88, Gil91, Hau88, Jac88, JT88, Len88, Lev91b, Lev91a, Lor10, Nja88, Waa88]. frame [IPL02, Jia12, PL03]. framework [BG03, KS07, SB03]. Fredholm [BMGGG12, CHLX07, Fer09, JRN06, Kan89, KX91, KPR12b, LN12, Mist89, PT11, VBD93, XZ09a]. free [AM03, BSV09, BM06a, CDV00, DN13, EH06, FPRA09, FJH+01, Fuj99, HZ12, HLL16, Li16, LR87, LYO99, MRN14, Mat08, MP15, NW90, Pas91, SW95b, Ver93, XLK07, ZG92b, ZO09]. freedom [Mau08]. frequency [HM86, LT07, LCJQ12, Par14, PG02, Pul05, WWX13]. friction [KPR06, QML15]. frictionless [Ahn07]. friendly [TS06]. Frobenius [Gab02, MdR05]. front [Gro94, SW86]. Fronts [SM13]. Full [Spi00, Ben02, Mit97, SH10, XZZL15]. Fully [Spi00]. full-Newton [XZZL15]. Fully [CPR93, ER07, Gon06, AGJ12, ALM04, BKM13, CL01b, Guo15, Kn94, Kn95, Lan95, Now96, P010, SW06, VSK97]. fully-coupled [AGJ12]. Function [MRF00, Boy15, BP95, HSS07, JD00, LN08, Man96, NRZR12, Pr610, RS09, Sar05, SJ11, uIVS13, SS09, Sus05, Sza94, Ver93, WL09c]. Functional [BNH01, JAC87, BKM95, BBPR05, Br07, Buc06, Cah92, CST97, CH90, FT06, GM08, JL91, KO92, LI05, NT92, Par14, WYL11, ZK00]. functional-differential [CST97, JL91]. Functionally [HS09a, Hoa15]. Functionally-fitted [Hoa15]. functionals [BRRS15, LS86]. functions [AG05a, AMCM09, AGY08, ACM09, BGR93, BO11, BGL1c, BE99, CMP15, CFV10, CPD+05, CJM88, Coo89, Dar90, DW00].
Dés08, DMGVO05, Die15, Dra97, GFB99, Gil10, GK93, GP04, GPP04, GGS04, GyZ07, HZ96, Iva07, Jac88, Jad94, JZJ10, JM05, Jun07, JGK11, KCS07, Kza92, Mac92, MD06, Mar94, Nov03, Pa91, Sad96, Sad97, Sch08a, SW09b, SS10, TLSS09, Uty08, WZ14, War92, XB14, ZT06, Zha07, ZHL03, 
Fundamental [Lyu92, GJR03, KJL12].
furnace [BGM +09]. Further [CH95b, NN13, ABFV09]. Future [Bie87, Son00].
Fuzzy [PGC01]. FVEG [LMWZ07].
G [BtTBV87]. Galerkin [BBRS97, Cas06, DM09a, MS13, ABJ12, AW14, AD08, Ant13, AFS11, AV00, Bac14, BBV13, BVT14, BN06, BTP96, Bus06, CK98, CCK08, Cu95, DGN12, DN13, DB08, EAS12, Fat10, FJ95, Fre98, GHH09, GT93a, GJV08, HLMP09, HST14, JRT90, KN03, KPY15, KWLK00, KXR04, KQ13a, KQ13b, Kwa09, LH11, LPT94, LHS00, LH02, Li11, LZ14, Li16, LT01, LS07b, LN12, LMWZ07, Mai06, Mus11, Sac93, SZ09, SW07, wSJ15, SW05, SvdVvD06, SW05, Tem15, mWyG00, Won08, XF06, ZOZ09, ZY14, ZX14, vR04, vdVS08].
Galerkin-characteristic [EAS12].
Galerkin-multigrid [CK98].
Galerkin-spectral [LT01]. game [FVGS13]. gap [BG06]. Gargantini [CP94].
gas [EWW99, Gl09, LK07, MRS03, Pow94, Tad86].
gases [CCP04, CS01]. gauge [Cau08].
Gauss [KK09b, CG13, DDBH14, ELR +15, GP93, Gy94, yGpY09, Has08, Has09, Ks09c, Kza99, Lab09, MSP10, VV05, Wel10a, Wel10b, CK12].
Gaussian [AT13, Boy15, CBHY11, Gy94, Ioa89, Kza92, SdSC99].
GCV [Baz03]. GDE [DS07a]. GDN [ZL10]. GDN-stability [ZL10].
Gegenbauer [By01, DSM11, Has08].
General [BBO03, BB98, But85, CJM88, LHHR94, Zla85a, AH11, AR93, AA87, BCE04, Bur91, BC95, BJ96, BS00b, BW03, BP06b, CY98, CM12, CMCGR02, Dav98, DS07a, EG88, FW07, FdO97b, FS05, Gan96, HH10a, HZ02, HXX03, Leo10b, Li05, Mur98, SA90, Sch12, Wal00b, XFC00, YH00, Zha00, ZT06].

Generalisations [RS08a]. generalised [EC07]. generalization [BKR13, BHH10, BC97b, CGA96].

Generalizations [Bre91, BK15]. Generalized 
[De 88, GM87, GS09, LFS15, TCCW89, TYKK01b, BH01, Bis11, BDMK92, BFD07, BRM08, Bout09, Cao03, CJL13, Che96, CCLT10, CEW00, DSK12, DDBH14, DSM11, FH04, yGyZ07, GR02, Har93, IM98, JP93, KDAK13, KTS03, LH96, Li12, LO03, Liu02, MD11, MS13, NR14, PV93, PCA10, Pou00, RS12, SW95d, Sch99, SZ12, TW00, jWyG08, Wu09, ZGL98, BWE095, TD09].
generate [CEW00]. Generated 
[DRS05, CGCMTR02, FKA +13, GRGJ02, GPP04, WR92, YXB95]. generating 
[CHR03, Ver93]. Generation 
[Bak86, Eis86, QM03, Ari03, AD04, BBV13, Bak89, BSFM02, BS00a, Bohl03, CM02, CM04, DH94, EM05a, EM05b, MO03, MCE +09, PR12, SFJ +05, SYG +05, Son00, Sp09, Spi00, YCO0].

generator [WE99]. generators [GP03]. generic [Eir09].
genus [LWCT07]. geodesic [ZML +12].

Geological [SR88b]. Geometric 
[CR04, Fra04b, GQ08, MQ03, Moc95a, VV07, AH09, BCR01, BG02b, CLMSS89, DF92, GGL09, GGR97, Ost02, XU13].

Geometrical [BCM04]. geometrically 
[LA12, SS99]. geometries 
[Fun94, Kar89, Kwa09, She00]. Geometry 
[SYG +05, FdSB02, GRGJ02, MD00, MMP07]. Geophysical [Per88].
geostrophic [WZL13].

Germany 
[vdHSW98]. Gersgorin [CP10]. GHDMMR [TD09]. ghost [CFX08, LK07, CFZ06].
Gibbs [Jun07]. Gilbert [BS06]. given [CP07, Jac88]. Global [FJ95, JMS99, LY01, LH02, PG03, SW09a, SXP09, BRSS15, Car94, CN11, EAV16, FSB97, JEG10, LS10, LMS08, WK04, WK12, dv95a].
global-local [FSB97]. Globally [HLMKZ06, AB07, BF95, Ise02, KKN+13, NMKE13, SG04]. glow [FSMV07].
glow-plug [FSMV07]. glucose [MLK06]. glucose-insulin [MLK06]. GMRES [AB07, Cao97, DB97, Du11, GL93, JMS99, KY03, Mei14, Mor05, Tou97, dv95a, van95].
GMRES-like [van95]. goal [AS05]. goal-oriented [AS05].
Godunov [KMR09, LE94, Mat05, SW86]. Godunov-inverse [Mat05]. Goldstein [LLY11]. Good [Zup03, EZ03].
GPST [Che88, CZ90]. grad [BVV09]. grade [Wu09]. graded [DL06, Mai09]. gradient [BSGU94, BGH08, CHSS01, CR05, CCL04, DW00, DW15, EAS12, EGH01, GM08, GR02, HVY91, HS97, Kie15, KLS13, Pfl08, San03, SW95d, Yu08, YLS+09, vDES04].
gradient-boundary [BGH08]. gradients [AGJM04, Ren13]. Gradual [FT06]. Grail [Bur93b].
granular [BBL02, TSFB01]. Graph [BT94, Gar03].
Gregory [CL06]. Greville [Joh05]. Grid [Bai97, Eis86, MI03, Pet87, Son00, AGM95, Ari03, AD04, ACM91, BSFDM02, BV94, Boh03, Bor97, BB10, CM02, CL10, CM04, CMS06, DH94, EM05a, EM05b, FD97, FL04, Fer96, FSB97, Fou00, GLV06, GKT10, HS86, HY01, IM00, Jun97, Kni94, Kn95, LKV01, LGH11, LYO99, LE94, MMT90, MR94, MT05, NN13, OZ96, QLL+08, Qui96, Ram94, Shy86, Shy91a, Shy91b, Spi99, Spi00, Tro93, TY00, VT93, Wag98, WSS97, YC00, ZT95, ZC92].
grid-based [LY099].
grid-orientation [ACM91]. Grids [SM85, AG05a, ASC02, ASC03, AP09, BKP09, BM00, BCE04, BS94b, BS96a, BT7V10, CGCMTR02, Chun03, DF11, DT10, DGD03, DSSC13, EL94, FS88b, Fre04, GGLR09, HP97, itLY09, HZ02, HS97, Imo00, JTB15, Kal96, KWLK00, KTS03, Koz94, KQ13b, Lin01, MRF00, MS09, MT97, MKS12, PC00, Ru09, Ste05b, SN04, SG06, Tho85, Tol04, TJ12, VL08, Vic87b, VT91, Zha09, ZML+12, dVA02].
gridsize [Hol01].
ground [Bec02].
groundwater [DMQ02].
groups [LP00, MA09, WGKS12, WC02].
growth [CL02a, CL02b, HZ96, LBLT13].
Guaranteed [ZCZ15].
guess [Boy07].
Helmholtz [AAD+08, BOEP00, BPTT15, CH01, DS07c, EVO04, EVO06, FFQ09, Gol86, Guo96, Kim94, Kim95, LRS09, Li08, OMP98, ONS10, PM03, PB10, RS00, dVA02].

Helmholtz/Schrödinger [BOEP00].

hemodynamics [DZ12a, RDH12].

Hermann [Bru97].

Hermite [Bar12, Boy15, CXNF14, CN15, Iva07, LHHR94, LHH96, LHH08, MST07, NNTGV11, ZL11a, ZL11b, ZHL08].

Hermitian [GGMP88, LVfP14, Nak92, Pet92].

Hessenberg [GS08, ZP98].

Heston [GGO13].

heterogeneous [AK09, CM09, DN13, IJ14, LP01, RN04, SS94b, WCW14, XZL07].

heterovalent [EHA98].

hexahedral [BS97a, Tob14].

hidden [RR14].

Hierarchical [AB15, AD04, CM09, Cz90, FS97, Haa97, Kwe00, NBP94, Zou10, BLS94, CLT97, Che96, EHO8, Gar96, GS92, KJ99, Ste97, Zou11, GMS12].

hierarchy [Che88].

Higdon [BG11a, Den11].

High [AES15, Bla01, BCR01, BT95, Bru07, BB96, CNX14, CM13, CP05b, CKS05, CRU15, CB99, DRC95, DS15, EP15, Fous00, GMG04, GLPW09, Hag15, KLO7, MK99, NW09, Pir09, RR00, SST12, SB14, SZE92, TDC13, TD09, Ver96a, Ale11, BM12, BG11a, BOEP00, BM01, BV00, BJ11, BPTT15, BDM03, BJ98, CGA93, CS08, CD00, CN15, E97, FHM+02, GLW14, GML00, GHF00, HOE96, HR97, INR01, Jia12, KSO0, K99b, Kwe01, LCVG01, Lee94, LX08, MS91, ML91, MD96, PSB91, PBC08, Pic05, QW04, San02, SD13b, SYG+05, SDK95, Sant93, STS00, Str98b, Sub04, TY00, VV02, Var92, WKM04, WC14, Zha96, van98, vdHM99].

High-accuracy [DS15].

High-index [San02].

High-level [PSB91].

High-order [AES15, BCR01, BT95, Bru07, CM13, CRU15, EP15, GLPW09, KLO7, SST12, SB14, SZE92, Ver96a, BG11a, BDM03, CGA93, GLMW14, GHF00, HOEC86, INR01, Jia12, KKO9b, Lee94, San02, SDK95, Sant93, STS00, Str98b, VV02, WKM04, WC14].

High-performance [CB99].

high-precision [Var92, vdHM99].

High-resolution [CXNF14, Hac95, Pir09].

high-speed [MS91].

Higher [Aca12, Att10, BM05, EES05, GAC96, Joh05, KN11, Vei10, WL09b, XZ4, An93, BKR13, BNO6, BC05, BD11, CZ97, CXX11, ELCWS98, ECB07, FM11, GJ00, HydHV10, HST14, KOS+12, LMW10, MS92a, Mat09, Nic86, RA03, SM93, SS13b, Tem15, Tob14, WB03, Cox12].

Higher-order [Att10, Gar96, Vei10, WL09b, BKR13, MS92a, RA03, SM93, Tem15, WB03].

Highly [Ben96, Fac05, IRC12, LAH90, AK09, BBV13, CC04b, Che12a, DIJ12, DXY09, Den93, Has13, Ise02, Li01a, LWW10, RC09].

high-speed [MS91].

Higher-order [Att10, Gar96, Vei10, WL09b, BKR13, MS92a, RA03, SM93, Tem15, WB03].

Highly [Ben96, Fac05, IRC12, LAH90, AK09, BBV13, CC04b, Che12a, DIJ12, DXY09, Den93, Has13, Ise02, Li01a, LWW10, RC09].

historical [Bre96, BW96b].

Hilbert [AMCM09, JL94].

Hille [Lub92].

Hilliard [CCL04, HTL07, KK99a].

highly-oscillatory [Ise02].

Higher-index [EHA98], Hilbert [AMCM09, JL94].

Hilliard [CCL04, HTL07, KK99a].

historical [Bre96, BW96b].

history [But96, TCCV89, ZC92].

HJM [Mar09].

Hodge [AM10b, BS14].

Hölder [LS10].

Holm [FGPR12].

Holistic [Rob01].

Holomorphic [Dar90, FLM01].

Holy [Bur93b].

Homogeneous [BP12b, MH14, PFH10].

Homogenization [MS00, LP01, RC09].

Homotopy [YCY12, SL05].

Hopscotch [ByTV87, Duf90, HV89, vT87].

horizons [MVG14].

Horizontal [CMP06, CML05, GGRJ02, QR03].

hp [ADGM08, BF15, BS14a, BH10, BD11, Bir13, DFL14, DJ08, DH07, DM10, KPY15, KWL00, KFOF02, KRO10, MS95, M004].

hp-adaptive [BS14a, Bir13, DFL14].

hp-BEM [BF15].

hp-estimates [KPY15].

hp-refinement [M004].

hp-version [KFOF02].

HSS [BY09].

HSS-based [BY09].

Hull [GGO13].

hundred [Bru97].
Hybrid
[AC98, CHLX07, KPR06, PH91, Rha99, AA87, AD04, DBCM12, Bai96, Baz03, Dal00, De 06, FHK05, Fuj02, GF99, Hua09, Kii96, Kii13, KWLK00, LY01, LH02, LSG99b, Nak05, Ou11, PH15, Ry13, SA00, wSJP15, Sv95, TYJ11, Tou97, VB07, WM08, ZLG15].

Hydraulics [HS98].

Hydrodynamic [BGM +09, DSW96, JT02, JT06b].

Hydrodynamics [CDD00, LL06, Qui96, RI02].

Hydrogen [CPD +05].

Hydrologic [RVdCVR02].

Hyperbolic [De 88, AM09, AW14, BJ02, BW95, Ber04, Ber05, BTP96, BM12b, BGP11, CRU15, Chi93, CL09, Dav92, DGRS09, FE93, FJS99, GS99, Gas92, GDS +15, GHF00, HWCF15, JH94, JNPC03, KPY15, Kop86, KXR +04, KR12, KW10, MS08a, NB01, NFAE03, PGB08, RZ00, Ric91, RMK09, Se09, uIVS13, Str98b, TP07, TJ12, TM15, Vic87b, Wa00b, XF06].

Hyperbolic-heat [RMK09].

Hyperbolic-parabolic [FJS99].

Hypercube [CSS87, De 93, LS86].

Hypergeometric [AR93, CJM88, DIR13].

Hyperparameter [LV12].

Hyperplane [KL5W10].

Hyperplane-constrained [KL5W10].

Hyperplanes [Mon09].

Hypersingular [AFF +15, BV09, BV10, BV14, Ca09, Ma09, Si14].

Hypersonic [KH91].

Hyperspectral [Lo06].

Hypoacusia [BF09].

Hysteresis [LR01].

IA [AC96].

IBVP [Str98b].

Ice [CDV00].

Ice [KTS03].

ICOSAHOM [An00].

Ideal [CFXZ06, GDS +15, QM10, Tou10].

Idealization [SW94].

Identification [ABP95, BBP05, CAD03, ND85, AGKK94, BBV05, BBCS05, BR94, Die15, HLS16, HK09, KJ012, KJ06, LPD +14, MCM12, SM08].

Identify [WZW13].

Identifying [HP14, HM15].

Identities [AR93].

Identity [Bre91].

II [BDDV12, BDMGV05, BH12b, DO98, GH90, GPHAM12, KQ13b, LH02, LFS15, Mar03, MSP10, Mur99b, Shy86, Shy91b, Ts92].

III [DGN12, VC10].

Ill [CRS05, EG88, Kii15, Luc95, MRH14, Sa94].

Ill-posed [CRS05, EG88, Kii15, Luc95, MRH14, Sa94].

ILLU [Zha00].

IMACS [CFTW08, MH89].

Image [BCM04, BS10, CF13a, CH87, DE16, KM95, LK14, QM03, Sae14, SC08, SMA01, WY12, ZC91].

Image-based [QM03].

Images [GOGF03, TSB10].

Imaging [CG03, Lo06, Par14].

Imbedded [CST97].

IMEX [LT12, ST14a].

Immersed [AL09, JK14, Li98, SWFK13].

Immiscible [Nur09].

Immune [BR04].

Impact [Ah07].

Impacts [Aca12].

Implementable [BC99b].

Implementation [AH15, CO09, GT99a, Jac02, LPT94, Pot85, ALE03, BD85, BF15, BS08, BMT93, BT98, BM02, BM15, BWE95, CLMS98, CK06, Coy12, DVF93, FVF99, GPS03, HS96, IM98, LT07, MP97, OMP98, PG10, PRT20, PWS06, SW94, UT08, Zha01].

Implementational [GKT10].

Implementations [DLP06, PV93].

Implementing [HP91, Nyc95].

Implicit [AS04, ARS97, CR05, FV01, Gje07, GHF00, HJ03, KBS11, Kau93, Kau95, KW98, OK98, Pu86, SWE05, TB01, WBC02, AH14, AMC08, ACM91, BT97a, BC08a, Bos09, BSvdV99, BJ11, BJ02, BN03, Bru93, BM02, BM06b, BJ06, But93, BJ96, BC97b, BJ98, BC00d, BW03, BSW93, CfD91, CG05, CS04, Cla96, CL09, CDP12, DR09a, DK11, DIL15, ELCWS98, ER07, FE93, FS08, FHV97, FMU15, FL01b, GX11, GLPW09, GPMR95, GMP903, GPA06, Gug05, Gu01, HH10a, ITH02, IM02, JY95, JR00, JKW12, KMG09, Kn94, Kn95, KKW00, KS09c, Lab98, Lay08, LL15, LX08, Min04, Pan07, Phi87, PWS06, RZ00, San02, SH09, SM09, Sch98, SZ97, Sp95, Sz94, TYJ11, TZA13, VDV98, VBH96, WC11, WSW96, WdG92, YT00].

Implicit [vSC92, vS93, vSK97, vvdV97, vhs01].
implicit-explicit [Bos09, VBH96].

implicit/outflow [MOU14]. Implicitly [Bos09, VBH96].

importance [SA05]. imposed [HJ09].

imposing [ZW87]. imposition [jWqW09, hYqW12]. Improved [CX08, FPRA09, Pot85, Ver06, AC15, BRBM08, CL07, GL93, LWWX10].

improved [HJ09]. Imposing [ZW87]. imposition [jWqW09, hYqW12]. Improved [CX08, FPRA09, Pot85, Ver06, AC15, BRBM08, CL07, GL93, LWWX10].

improvement [CP94, CZ90, Kor95, dFN00]. Improvements [MS86, Gil10]. Improving [Bal00, Dea11, Gen10, KS10, KP03b, Sal89, MM14].

impulse [CCS02]. impulses [LFL14]. impulsive [BKM95, HW04, LSL11, LZL14]. impulsively [TOCW02]. incidence [WN12]. including [BBS11, BFH09, Cao98b]. inclusion [CP94, PH91]. incompleteness [Par14]. incomplete [CCP04]. Incomplete [Guo96, ZIK02, de 95a, BD85, Doi91, EVO06, Gu01, Not99, Phl91, RV05b, ST09b, SS99].

incomplete-data [RV05b]. incompressible [BR05, BC01, BBL02, BL08, Cai15, CH07, CHX13, CSXL14, DN13, GM08, GHK16, Gat91, Guo15, HSS04, HH10b, HST14, KLY05, LR00, Mon03, RK91, She96, TLY92, VG04, Zan91, ZOZ09, Zha14].

increases [RAS99]. Increasing [GMGF02, Wal90]. Incremental [CT93, Gar03, GMT07, Gar96, MM02c, Pou00, PB10, SW13, Che96]. indefinite [CK98, FL05, SS99, Sha98]. independent [CH95b]. Index [Ano00b, Ano00c, Ano00d, Ano00e, Ano01a, Ano01b, Ano01c, Ano02a, Ano02b, Ano02c, de 95a, BD85, Doi91, EVO06, Gu01, Not99, Phl91, RV05b, ST09b, SS99].

indices [RS05, BC01, BBL02, BL08, Cai15, CH07, CHX13, CSXL14, DN13, GM08, GHK16, Gat91, Guo15, HSS04, HH10b, HST14, KLY05, LR00, Mon03, RK91, She96, TLY92, VG04, Zan91, ZOZ09, Zha14].

initial-boundary [GH02, LOM98, MS90]. Initial-Value [De 88]. initial/boundary [Fer93]. Instabilities [Cul95]. Instability [CJV88, DG96, Lyn98]. instability [Cul95]. Instantaneous [CHK99]. Insulin [MLK06]. integer [KS91]. Integral [BBL15, CP09, PGM86, AL95, AM10a, AAD14, AFF+15, BC02, dLB93, BVB10, BVRB14, Bru97, BMM97b, Cah92, Cai09, CHLX07, CL14, CHH15, Chi12, Chr01, Cun95, DD97, Dav98, Der92, DSK12, EH09, FS15, Fer09, FL15, FY87, Fun04, HB02,
HGP11, Han93, HP14, Heu00, HK85, HX11, Hu99, HLL09, IRC12, Kan89, KX91, KO08, Kel85, KPR12b, LRS09, Li11, LD97, LNZ12, LRE04, Mai09, Maj14, Man96, Man97, Mie89, MD10, Nug15, PR89, Rab94, Ri92, SST12, SV00, SW85, TMD92, Tau09, TLSS09, WN12, WWLS08, XL09a, CLR11, CDP12.

**integral-differential** [Chi12]. **integrals** [AA05, BCU00, BVB09, CPD05, Che12a, CEW00, Eva94, EW97, EC07, Fat10, Fat12, Har00, Has09, Has13, Ioa89, Jad94, LWWX10, PCA10, SL01a, Sau00, Sid14, ZPT92].

**integrands** [KCI03, VV05]. **Integrated** [FM95, CM02, SK91]. **integrating** [FMMK01]. **Integration** [TM04, ABH14, ALMM01, AD08, ALM04, AD01a, AAD14, BCF09, BrTBV87, BRBM08, BBKS07, BF95, But93, BJ98, CMP15, CH95a, CG15, CL85, CR04, Dih09, Den93, FS15, FW07, Fra04a, Fra04b, GMG04, GYSL96, GML00, GMGF02, GO08, HS02, Hai97, HOS99, HMIV03, Hig96, HMT03a, HMT03b, HLR01, JZ95, JR00, KGR08, KNT13, Leo10a, LD10, Log04, LMG02, MF99, MQ03, SS07, SA12a, Sim93, Ske99, Sol15, SvdHK94, SCT05, TMD92, TG08, VV07, Wko02, Xiu08, tV87]. **integrators** [Ale03, BF99, BDF89, Bla01, BM06a, BP12b, CO09, CLMSS98, CZ07, CY08, EK06, MQ00, Mur99a, Mur99b, PWS98, SZ97, WX13, YC13].

**inter** [Rob10]. **inter-element** [Rob10]. **Interacting** [SR88, MT05]. **interaction** [BSP04, EZ03, GMM09, RDH12, Sai93, Sod91, XLM07, vBvdZdB08]. **interactive** [GGNP02]. **interconnecting** [Pec09]. **interdomain** [Dor91]. **interest** [KGR08, Mar09]. **Interface** [PGM86, RTV00, ABG15, CES01, Dav92, GMS12, HLZ14, JV09, KV07, L98, LMWZ10, LAH09, MAG13, NMB10, PH15, RT02, SSV99, SJ11, SD09, ZCC11].

**interfaces** [FL04, FW05, FM07, FMU15, KS07]. **interfacial** [EAS12, ZQLK11]. **Integrid** [Osw97, Kau04]. **Interior** [LO95, AD99, BSGU94, BH97, Car09b, EB12, HCO1, Ius97, Jia02, LHHR94, MOSW00, OQ15, QL15, XZZL15, Zha07]. **interior-exterior** [EB12]. **interior-point** [AD99, XZZL15, Zha07]. **Interlacing** [DJM09, JT09]. **Intermediate** [Lai09, SHG86]. **internal** [CRR03, Rus95, VS91]. **International** [CFTW08, LST07, MH89, FJ97]. **interpolant** [Ber86]. **interpolants** [BFK11, BS92, LMS09, MST07, SST09, SST15]. **interpolating** [CJV88, DF02, KP03a, KPR12a, SWCH15, WT93]. **Interpolation** [BG06, DES08, M004, Spec12, AA04, AG05a, AMR12, AN15, BMGM12, Bar12, BRIP08, BGS06, BH12a, BS09, BC97, BS09, BB10, BO11, BG11c, BRE02a, BM97a, CDD00, DMP99, Dol14, DR93, FM11, Fra14, GGR97, HB02, Iva07, Kid90b, KP01, LY10, PD96, Pla08, PB10, RL86, Rus95, SE93, VBD93, ZV03, WW05, ZLI1a, ZY14, ZHH08, Zup04, de 92a, Boy15]. **interpolations** [CZS04]. **interpolatory** [DCCBP10, GS05, BDMGVO05]. **interpretation** [Bot97]. **Interval** [SCH07, BEN02, Boy15, DCCBP10, GPP04].
intracellular [NRWF08]. Introduction [BKM05, CFS94, Had13, LP93, Sal91, But97, Wen10a]. Intrusion [BKM05, CFS94, Had13, LP93, Sal91, But97, Wen10a]. Invariants [HL99, AB10b, BHJJ06, BC97a, DB95, ERS00, GSR00, Moo95a, Tru00]. Invariants [HXW15, Rei99]. Inversion [BKM05, CFS94, Had13, LP93, Sal91, But97, Wen10a]. Inversion [BKM05, CFS94, Had13, LP93, Sal91, But97, Wen10a]. Inverses [Kos02]. Inversion [Che88, CZ90, DSK12, LFP04, Moo95c, Per99, VA05, vI87]. Invertible [CRS05]. Investigation [Chr01, EZ03, Liu97, Pot97]. Inviscid [Mou03]. Invited [Ano05f, Ano02e]. Involution [Sci02]. Involving [CFRA08, CF13c]. Ion [PS00]. IPDG [BS14b]. IPDG-FEM [BS14b]. iPSC [BRSD91, dLB93]. iPSC/2 [BRSD91]. Iron [BMP05]. Irregular [APJ09, BW95, DT10, DP90, Eva94, EW97, PM14, Vic87b]. Irregularly [Sau00]. ISLIM [Lo06]. Isolines [BS00a]. Isometric [Chu03, Gar05]. Isoparametric [JT06a, LL02]. Isospectral [CIZ96, LP97]. Isothermal [DdCVR03]. Issue [BGHR12, BGH + 15, CHM09, FFMZ13, CD95, KP07, LST07, SSV97]. Issues [BF09, Sid10].itto [DR90a, DR90b]. Italy [RI02]. Iterate [ST09a]. Iterated [LNZ12, BDFV95, CM07, CX08, DVV93, MZK05]. Iterates [Bog12]. Iteration [BY90, CKB13, ELvdHS98, Gils88, GRLL01, Gug05, HL02b, Jia00, Mat05, ST09a, ST09b, SW95b, Spi95, Zha01, vS93, vdSvdH95, Ney95]. Iterations [BSvdV99, BBL15, DB95, DSS15, EH09, JKN94, Lab99, Phi87]. Iterative [Bua04, CFTW08, GPRM95, JGK11, MP05, Mar03, SS13a, SL01b, TSB10, dH95, AC98, AGJ12, AG05b, Cao98a, Cao98b, Cao10, CH01, Cui04, DE16, DP90, Eij95, FL05, FLMR14, GH91, GK09, GT02, HvdHV10, HW97, IT07, JD09, Kin94, Kin95, KF97, Kin94, KYC03, Kru99, KCB02, LZ13, LWD+09, LR00, MA09, MRV93, Mar99a, Nak05, NH15, OMP98, PM03, PT95, RV05b, RSK14, SW95a, ST11, SH02, SH03, SW03, TK05, VMP03, Wan96, Wan07b, WL09b, WW07, WYP12, YG95, YR92, YXB95, YH07, ZC91, vSK97]. IVPs [BP12b, CM07, CX08, SS09, GM95, Jac96, JN02]. J [BrTBV87]. Jacobi [BGS06, FLS94, For11, BP02, BL06, CGT13, CXNF14, CFS13, CY05, DMR10, DB08, DDBH14, Gen10, yGqWsWC05, GH07, GSW09, HGP11, LHS00, SM13, St03, hYqW12]. Jacobi-spherical [GH07]. Jacobian [CZ97, GHW01, SY05, WGB99]. Jacobians [KCJP01]. Jameson [Ano87a]. January [BGHR12]. Jet [AHS03, KHA12]. Joints [MMP02b]. Jordan [GY94]. Jump [AG05a, BAD13, CF08, HFL13, JD09, KS07, ST11, ST14a]. Jump-diffusion [BAD13, ST11, ST14a]. Jumping [MII13]. Jumps [AO05, KK11, LL15, MDD14, Moo04, WG10]. Kacanov [GMZ11, HJS97]. Kahan [SS94a]. Kalman [TZ00]. Kantorovich [SL09]. Kantorovich-type [SL09]. Kepler [Boy07]. Kernel [FRV11, BZ94b, CDD00, Che12a, Has13, KXX92, LD97, MP15, Sch08a, TMD92, Tan93, TY03]. Kernel-based [Sch08a]. Kernels [CHLX07, CL14, LNZ12, Maj14, PT11]. Kind [BHR05, Bru97, CHH15, Fer09, HLL09, Kan89, KXX1, LNZ12, Man97, Mie89, SV00, WH13, XL09a]. Kinetic [Ale11, KW95, RA03]. Kinetics [DS02, PM05]. Klein [CH89, HZ09, Lyn99]. Kolgan [VCC12]. Kolgan-type [VCC12]. Kolmogorov [BFdO07]. Koren [Hol01].
Korteweg [AM04, BDKM92, BR97, Isk89].
Korteweg-de [BDKM92].
Krein [KKN+13].
Kreiss [AK95].
Krylov [HH10b, Bai02, BBLT15, CM97, EAV16, Fac03, LS99a, MS99a, MN08, PR12, PWS98, RSY12, SW98, Sim10, SSX14, SS12, Wal95, WSP97, Wei95, Wen05, ZGL98].
Krylov-ROW [Wen05].
Krylov-subspace [BBLT15].
Kuntzmann [VS94].
Kuramoto [AS04, Mar93].
Kutta [Ioa89].
Kutta [AMCM08, BDP99, BC08a, BCR01, But97, CH95b, CG13, CPR93, DM11b, GMG04, GML00, Hoa15, Lab98, LS05, Mur98, Pat98, Pat00, Som93, VDV98, VV02, vSC92, AH11, AM95a, Alb96, AMP03, ARS97, AK92, BDGP96, BT97a, BJ05, BZ93, BV96, Bel97, Ben96, BG02a, BS92, Bos92, Bot97, BJ11, Brut93, BJ03, BB96, BB98, But96, BS96b, BW96b, BC97b, BT97d, BC00b, BSW93, BS02, CMR94, CH95b, CIZ06, CD00, CG05, CCG13, CV95, Cas06, Cha96, CCM02, CS03, Coo89, CST97, CN11, DJI12, De 88, DV93, DS05, DR09a, DR09b, Dia95, Du99, Eir95, EH97, FS05, FS08, Fra04a, GCHR06, Gar10, GJ00, GPMR95, GPMP03, GPHAM12, HZ96, Hig96, Hig97, HR06, HS09a, H05, HWX15, Hor98, Hor05, HE96, IRC12].
Kutta [Jac93, JYZ96, JVZ97, JKN94, Jay95, Kau93, Kau95, KCL00, KC03, KMG09, KS08, KW98, Kom07, KS89, KS09e, KKR15, KNO96, LX08, LP97, LO96, MK99, ORe93, Ost93, OT02, Pan07, PJB04, PAJ12, ST89, Sch02, Som86, Sp96, Tsi01, Van00, VZ93, Ver96a, Ver96b, WGKS12, WYL11, WSW96, WC02, WX06, YC13, Z93, ZL10, ZC99, in 92, in 96, vS93, vC93, vS96, van96, vSexH95, vB95].
Kutta-like [WX06].

L [CGG02].
L-curve [CGG02].
lacunary [Mat91].
lag [KV95, SS09].
Lagoon [RI02, BDES12].
Lagrange [ABG+15, BGG04, BNV06, BCGI13, HLZ06, LH02, PP92].
Lagrangian [AL05, BB15, BC08a, B02, CFX08, CF13a, FVGS13, KCC04, PP00, RVD00, Sea09, WL10].
Laguerre [AT15, BMPR15, Fun90, yGyZ07, JCN94, Kza99, jWyG08].
Lambda [Leo10a].
Laminar [hYK86, AHS03, Kar90].
laminate [GP01].
laminated [FSB97].
Lanczos [BRRS15, BS93, EJS04, FN95, JP93, Khe91, KBG04, RG02, YR09].
Lanczos-type [BS93, RG02].
Landau [BS06].
Landmark [LWCT07].
language [PSB91].
Laplace [BSGU94, BF15, Bie12, BDN+97, EVO06, HvdHV10, KvyS15, LFP04, M09c, VA05, v87].
Laplacian [AK00, FVG13, SN04].
Laplacians [Lyn92].
Large [Dat99a, Lyn99, ND85, PS03, WVB98, van95, AB10b, AB07, Bai02, BC99, BLW07, BH01, BT02, BJ11, Bu99, DW15, Ewi91, FTB97, Gen10, GT02, Hab08, HLT07, Hey10, Jae96, Jia00, Jia02, KS07, KW95, KM11, LCVG01, LP05, LS13, LW92b, LCJ12, Mat86, NMSF94, Per99, RS08b, SEG02, SM9, TYKK01b, Toc01, WSP97, YR92, ZNK02].
Large-Scale [WVB98, Dat99a, AB10b, Bai02, BT02, BJ11, DW15, Ewi91, FTB97, GT02, LCJ12, SM9, Toc01].
Laslett [RMCG04].
lateness [GR93].
latent [TS08].
lattice [EK06, Lai09, MKS12, VVR08, ZAB15, LL08].
Laurent [BDMGVO05, Nj88].
law [RMCG04, RB12].
laws [AM09, AKG14, Aff94, Bac14, BMGM12, BJ02, BTP96, BFA93, BDF94, BM12b, BGP11, BGS02, CH15, Dav92, DF96, DGRS09, EK96, FL01b, GT00, HSS07, HWC15, KSS09b, KXR+04, KR12, KLSW06, LPR00a, LPR00b, PGDB08, Tan01, TJ12, XF06, Ye04].
Lax [Ano87a, De 88].
Layer [ÜST03, DS97b, DK14, FM11, GGN12, Jun06, KC94, Lin01, Mat09, MOSW00, OQ15, Sod91, ST08].
layer-adapted [FM11, Lin01, Mat09].
layered [IT07].
layers [AG98, BBV13, B00, EH91, FLR08, KOW05, LBCN00, MOS02, MS91, OS89].
leading [AB15, OK98]. Lean [SA08].

Leapfrog [NH15]. learning [KSP10]. Least [BM04b, CF86, CCLT10, KR10, PS02, ZSJ04, AN15, AD01b, BB94, Ben02, CP07, C04, yDq GnJT09, HP85, Han87, KS02, KLY05, KS09a, LV12, Li11, Li16, MOS12, MS08a, Mon09, Mou03, PS03, Ren13, SD13a, SLJ86, SWCH15, YK04a, Yua93, Zha07, Zup03].

least-square [Li16]. Least-squares [CCLT10, KR10, CZ04, yDqGnJT09, Han87, KS02, MOS12, MS08a, Mon09, Mou03, PS03, SD13a, SLJ86, SWCH15, YK04a, Yua93].

Lectures [Ano05f, Ano02e]. left [SY05]. leg [Hua00, WZL08, ZH09]. Legendre [yGpY09, SW07, gTpm07, jWg08, jWqW09, WC14]. lemma [DLM05]. lemmiscates [FH04].

length [SH91]. Lepp [Riv09, RRJM12]. Lepp-bisection [Riv09, RRJM12]. Level [KM11, DdSF07, DLP06, FM07, FMU15, GKL07, HLF02b, HFL12, Job01, KL09, Kuz90, LA11, Nak05, PSB91, PH15, TL07, Tob14, ZOZ09, ZWL11].


limiters [MS08a, ZQLK11]. Limiting [BM04c, KXR04, Sim94a]. Lindsay [CA15]. Line [HP15, Rei85, SXP09, ZH15, ZP12]. Linear [HV89, KK02, MS09, TZA13, AC98, AH11, AS13, AW14, AK00, Als96, AMC02, AMP03, AMCM08, AT13, Ara99, AR15, Arn98, AES13, AGKK94, BF01, BBG14, BK06, BM04c, BM06a, BP12b, BS93, BM09, Bru92, Buc04, BS12, BH97, BJ06, BWE95b, But85, BC95, BJ96, BS00b, BW03, BP06b, CRS05, Ca98b, Car99b, CL85, CD91, CHX13, Cve02, DB97, DS05, DN13, DJM09, Eji95, Ejs04, EG88, Fac03, FH05, DSV13, FH08, FMG94, FG09, FHV97, GMZ11, GHK16, Gas92, GD09, GGM07, GS09, GHT05, Guo96, Han87, HVY91, HH10a, HP91, iht02, Hua98, HCX03, HMW05, HT94, KPY15, KZ13, KP03b, KBC02, KLW06, Lem02, Lev91a, Li05, LSK12, LC99, LS99b, LW92b, LLI12, LM02, LD02, LRT99, MOS12, Mar08, MF99, MP98].

Linear [Mär95, MS90, MST09, MH04, MGV14, MRH14, Nap16, ONZR12, ONL89, OKS10, OTK04, PGA93, PGS10, Pic05, Pir09, PT95, PJB04, RA05, Rum87, SS99, Sch12, SH02, SEG02, Sid90, SS13a, SvdH96, SW03, SX14, Sp95, Spi13, SS09, Su94, VMP03, WL09c, WWS07, XFLC00, YG95, YR92, ZNK02, Zha07, ZP97, ZC99, Zha07, dH95]. linearised [OQ15]. linearization [Aro96]. linearizations [Mär95]. Linearized [CXZ14, BG11b, BS05, DG10, DJ10, HN03].

Linearly [Bru93, CdnF01, CG05, ELCC98, JK12, PWS96, BJ06, BS93, EM05b, GLP09, SM04, WS96].

Linearly-implicit [Bru93, PWS96, BS93, SM04, WS96].

Lines [FG06, BL15, BDF95, BW96a, BC97, HT94, T96, TT03]. link [MS08a].

LINOS [HSW99, HS02, SH02]. Liouville [AGM09, Con99, Ghe97, Pru00, SL15, VVD95]. Lipschitz [LS10, Mat86, RA09]. Lipschitzian [WZ14]. liquid [BS04]. liquid-structure [BS04]. List [Ano02e].

Load [dDF94, Chr96, DB+95, FL+97, RN04]. load-balancing [Chr96]. loading [Che12b, F00].

Lobatto [BGVH10, KK09b, W010a]. Local [BE99, DM09a, Eis86, KL09, LS07b, Mat09, MS13, PC00, RS09, Sim94a, uLS13, Tro93, ACMR06, AMR14, An06, AF99, BSG09, BVR09, BVM06, Bus06, DDHS97, DF11, DFB95, BB95a, BB95b, BW06, BB96, BS00b, BW03, BP06b, CRS05, Ca98b, Car99b, CL91, CHX13, Cve02, DB97, DS05, DN13, DJM09, Eji95, Ejs04, EG88, Fac03, FH05, DSV13, FH08, FMG94, FG09, FHV97, GMZ11, GHK16, Gas92, GD09, GGM07, GS09, GHT05, Guo96, Han87, HVY91, HH10a, HP91, iht02, Hua98, HCX03, HMW05, HT94, KPY15, KZ13, KP03b, KBC02, KLW06, Lem02, Lev91a, Li05, LSK12, LC99, LS99b, LW92b, LLI12, LM02, LD02, LRT99, MOS12, Mar08, MF99, MP98]. linear [Mär95, MS90, MST09, MH04, MGV14, MRH14, Nap16, ONZR12, ONL89, OKS10, OTK04, PGA93, PGS10, Pic05, Pir09, PT95, PJB04, RA05, Rum87, SS99, Sch12, SH02, SEG02, Sid90, SS13a, SvdH96, SW03, SX14, Sp95, Spi13, SS09, Su94, VMP03, WL09c, WWS07, XFLC00, YG95, YR92, ZNK02, Zha07, ZP97, ZC99, Zha07, dH95]. linearised [OQ15]. linearization [Aro96]. linearizations [Mär95]. Linearized [CXZ14, BG11b, BS05, DG10, DJ10, HN03].

Linearly-implicit [Bru93, PWS96, BS93, SM04, WS96].

Lines [FG06, BL15, BDF95, BW96a, BS93, EM05b, GLP09, SM04, WS96]. linear [Mär95, MS90, MST09, MH04, MGV14, MRH14, Nap16, ONZR12, ONL89, OKS10, OTK04, PGA93, PGS10, Pic05, Pir09, PT95, PJB04, RA05, Rum87, SS99, Sch12, SH02, SEG02, Sid90, SS13a, SvdH96, SW03, SX14, Sp95, Spi13, SS09, Su94, VMP03, WL09c, WWS07, XFLC00, YG95, YR92, ZNK02, Zha07, ZP97, ZC99, Zha07, dH95]. linearised [OQ15]. linearization [Aro96]. linearizations [Mär95]. Linearized [CXZ14, BG11b, BS05, DG10, DJ10, HN03].
Maximal [AH11, AA94, Khe91].

maximization [KSP10]. maximized [LS05].

Maximum [Hor99, Kra92, FP02, FHK05, Vej10].

maximum-norm [FP02].

May [CFTW08, Mul99, FJ97].

McCracken [Pot85].

Mean [Abu04, MDD14, WC11, BS12, TZA13, YCY12, dVA02].

Mean-square [MDD14, WC11, BS12, TZA13]. means [EH08, MS02, VV07, Wen10b].

measure [Has08, LW04, XL09b, Zha07, ZWK15].

measures [dACR10]. Measuring [Sha85a].

Mechanical [CHH15, HLL09, Arn95, Arn98, BH93, FSP15]. mechanics [Car09a]. media [AK09, AKT97, BM04a, BM04b, BBL02, CCK03, CML05, CD13, DE06, DN13, EH07a, ESS15, EWW99, FBS09, FJ09, GJR03, HJ09, IT07, KMR09, MK14, MCC12, SS94b, SY08, TSFB01, WCW14, XZL07, ZYSZ14].

medical [TSB10]. Measuring [Tha85a].

Mehrotra [Car09b, LLL12]. Mehrotra-type [Car09b, LLL12]. Meiko [HP91].

membrane [Bake11]. memory [CFRA08, FVB05, Fre91, JP93, LW92b, LCQ12, MRV93, WM08, Wen92a, dVA95a].

Menten [Wan09]. Menten-type [Wan09].

merging [Ber15]. Meromorphic [Jac88, DMGV005]. Mesh [BBV13, Bak86, BS96a, FL93, AL98, AGJ04, AKL08, AF89, BMGM12, BJH05, Bak89, BM13, BM01, BFA93, BS97a, Bre92a, BT97b, BC97a, CJLS98, CLGD06, DF11, DEPS15, DF92, FsDB02, FMP04, FR01, HW97, HWCF15, HR97, JP08b, JM94, LBLT13, Len00, LH09, LTT07, LS99b, Man96, MCE+09, NS03, NRR06, PD96, PH15, QM03, Ren14, SFJ+05, SYG+05, Sim94b, SS08b].

mesh-dependent [LLT07]. mesh-moving [BFA93]. meshes [BSGU94, BW95, BS05, BBRS97, Bof06, BP97, CHR03, CS08, DSZ15b, DL06, FHK05, FVBO5, FMG94, FL01a, FM11, GH09, HMP14, KFO02, Lii01a, Mai09, Mat09, MST09, NFAE03, PSP04a, Pic05, QM03, SE93, SY08, Tob14, Tur86, WG11].

meshing [USHT03]. Meshless [Li11, MS13, AAD14, BHJ13, MD10, SD13a, Sch08a, SR09, ZT06, DM09a].

meshless-type [SR09]. message [BC99].

meta [KS10]. meta-programming [KS10].

metaheuristics [BdFPSdSC08]. Method [BL15, BO87, DT15, De 88, FG96, HT94, Pet87, Ta`86, TMS87, TT03, AS11, AH09, AS13, ALMM01, AY15, ARGA00, AGM09, AC15, ABI2, AMT13, AA94, AK00, AT15, AHR12, AM14, AB10b, AT93, AB07, Ang06, Arc06, AB14, AMH03, AF89, AAD14, Aug89, ABG+15, AEF+14, AV00, Bac14, BBV13, BP14, Bal00, BLW07, BF01, BAD13, BVT14, BO04, BGG13, BC08a, BM04a, BDF89, BF92b, BW96a, BCJ97, BTP96, BC08b, BG08, BC01, BC04b, BBRS97, BBD08, Bof06, BV09, Bof97, Bos09, BJ00, BHH13, BSP04, BJR12, BJR12b, Bus06, BS96b, BC00b, CGT13, CFX08, Cai15, Cao98a, CHZZ06, CXZ14, CHZ14, CP94, CCG02, CM02, Cas06, Cas08, CS94, CM07, CMP03, CKB13, CS13, CX01, CC04b, CZY08, CXZ09, CHX13, CSXL14, Che16].

method [CC08, CS08, CCK08, CH13, CCM10, CFW00, CL09, CK13, CJLS98, CY05, dCCSR03, CNS00, CMS04, Cog12, CSM96, Cun95, CH09, DM12, DB97, Dwo00, Dav92, De 93, DG10, DM09a, DJ10, DX90, DM09b, Den15, Den93, DL06, DN13, DS97a, DS97b, Din93, DLH00, DM95, DBB14, DL04, DP95, DP90, yDgGuJT09, DI15, EJS04, EK95, EL97, EW97, EH07b, Fan11, FW08, FL05, FF08, FV85, Fdi96, Fe06, Fer09, FSB02, FS97, FG13, FFP00, FY99, FR01, FM07, FMU15, FLL11, GS15a, GLS09, GM10,
Gas92, GK09, Gen10, Gla93, Gob86, GRL10, GDS+15, Gon06, GS09, GLM09, GT93a, GT02, GOP06, GKT10, GJR03, GJV08, GH07, yGyZ07, yGyP09, U015, GL53, Hab08, HPY92, HHR12, Han93, HJS97, HZ09, HZL14, Har10, HLMP09, HM01].

**method** [Has13, HHC08, HL08, HSS07, Heu00, HWCF15, HR96, HC01, HLC01, HZ12, HFL12, HP15, HS09b, Ius97, Jad94, JJ94, JRT90, Jeo09, Jia02, JLH13, Jm06, JTO09, Jd09, Ka96, KV07, Kan89, KXX92, KNN03, Kan04, KJJ12, KKK+13, KV95, Kat89, KO92, KS02, KK09a, Kim12, KYC03, KWLK00, KKV00, Kop86, KJJ99, KPR12b, KP03b, KS09b, KLS13, KQ13a, KQ13b, KLSW10, KX03, Kwe01, Kwe03, LH11, LH96b, LWT07, LHC09, LW93, LCHR03, Lee94, LHH96, LWT07, LHC09, LH09, LY90, LWWX10, LK14, Li16, LD97, LR01, LX09, Lin10, LT01, LK07, LN08, Lmf09, LH013, LGMO2, LAH09, LF15, LOM98, Luc95, LBCN00, MDDR11, MD00, MH14, Mai06, Mai09, MOS12, MP11, MZS10, Map05, Mar99a, Mar95, MT94, MM07, Meu91, MAG13, MOSW00, MD10, MS13, Moe98, MD96, MO86, ML97, Mou03, Nak05, NMKE13, Ney95, Ngu15, NH15, Nov03, Oji88, Pap95, Par04, P0505, PBC08, Pat00, P11, PR90, PH15, Pet92, Pf08, Phi87, PP00, Pot97, PG02, QM10, QMC15, RMC04, RK08, RV04, RV05a, RMM12, Reo03, Ren14, R007, R04, RV00, RS08, RG02, RMK09, RU15, SD13a, ST11, SS00, Sch98, Sch99, SW11, Se09, Se14, SG04, SD11, SD13b, SFK13, SHE96, SY05, SW07, SX09, SLJ11, wSP15, Shy86, Shy91a, Shybin, uIVS13, SW09b, SSV10, Sod91, S08, SY08, SL15, SMA01, SS09, Ste05b, SW85, Sti03, SG05, Su94, SWW11, SvdVd06, SWCH15, SW86, Sa94, Tah96, TL07, TYKK01b, gTp07, TW00, TV91, TM04, TM05, Tse00, VO00a].

**method** [Wan96, WKM04, jWqG08, jWqW09, WC11, Wan11, WN12, WZL13, jW15, WC14, WW14, Wen98, WBCK02, Won08, WWS07, WdG92, XL09a, YS09, YCY12, YZ13, YTO0, Yi12, Yu08, YLS+09, hYqW12, Yua93, YH07, ZTT15, ZGL98, ZT06, ZOZ09, YZ14, Zha14, ZHI14, ZYSZ14, Zhe07, ZHL03, ZHL08, ZHI15, ZC92, ZWL11, Zio99, ZK00, ZC11, dF00, dV95, CFZX06, PT09, RB12]. **methodology** [AGJM04, CG14, FV87, PRST02]. **Methods** [BH85, CFTW08, FF06, FFMZ13, MP85, Per88, Reis5, dH95, AH11, ABH14, AH15, AM95a, Abou04, AB88, ADK94, AS04, Aiy96, AES15, AM99, AM00, AMP03, AMCM08, AV96, AA+93, AM95b, AM95c, AH95, AP90, Ant13, AKL08, ABF09, AFS11, AFS00, AFS02, ASC02, ASC03, Arn93, Arn98, AR97, ACM9, AC96, AKF92, AFS96, AMS14, AV91, BMGM12, Bia96, BN99, BY09, BM95, BDGP96, BT97a, BDP99, BD07, B102, BNP00, BY00, BJ05, BK06, Bea04, BZ92, BZ93, BV96, BGT97, Be97, Ben96, BB15, BNV06, BMS98, BW95, BG02a, BG03, Bi92, BDF94, BS96, Bha01, BCR01, BCF+13, Bot97, BGP11, BJ11, Boy91a, Boy91b, BV91, BDf07, Bra00, BH93, Bre85, BZ94a, Bru93, BMT93, BT93a, BT93b, BT95, BT98, BM02]. **methods** [BM06b, BIM15, Bru92, BM19, BMM97a, Bru07, BH97, BJ03, BL2b, Bur85, CB89b, Bur91, Bur93a, Bur93b, BB96, BB98, BT00, But85, But93, BC95, B96, But96, BW96b, BC97b, Bot97, BT97d, BJ98, BC98, BS00b, BW03, BR05, BP06b, BS93, BS02, CS89, CH95b, CIZ06, CDF01, CO05, CDR11, Can99, CPP02, CGA96, CM13, C93b, CA93a, C89b, Cao01, CHLX07, CG92, CP05a, Car09a, CL85, CD95, Cas96, CP05b, CL13, CG89, CM00, CCM02, CG13, MCC08, Cha98, C96e, CR05, CK98, CS03, CH07, CL07, CCL10, CL10, CHH15, CK06, Con01, CM07, CX08, CP09, CDP12, Coo89, CST97, CN11, CPR93, CKM15, Cul95, CS05].
methods

[EAV16, EH07a, EM05a, ELvdHS98, ELCW98, Elr95, EH07a, Eng11, EG88, EK97, EH97, EP15, EF1F09, Eva94, EC07, FFMK01, FW07, FPRA09, Fak12, FLMR14, FL04, FS08, Fer93, Fer96, FM95, FMW05, FS88a, Foa00, Fra04a, Fra06, FG09, FH97, Fre98, Fuj02, GH91, Gan09, GS99a, GANT02, GCHR06, GM02, Gar10, GCLR09, GM93, GH90, GAW09, GY94, GLPW09, GG95, GGM95, GM95, Ghe97, GD09, Gje07, GP01, GPMR95, GPMR03, GPHA06, GPHAM12, GML00, GMFG02, GM94, GKL07, GQ08, Gug05, GR93, GHW01, Guo01, GHF00, GR02, Hag15, HM87, HZ96, Hai97, Has09, HJ05, HLT07, HW06, HMdV03, HK93, HM00, Hes00, HHI0a, Hey10, Hig96, HR06, HL02a, HMP14, HS09a, Hoa15, HO05, HXW15, Hor93].

methods

[Hor98, Hor05, itH02, Hsi06, Hua00, HCX03, HLL09, Hua09, HFL13, HKP89, HL89, IM98, IM02, INR01, IVA93, IRC12, JAc93, JvZ95, JvZ96, JvZ97, JR00, JZK06, JN02, JvA95, JKJW12, JPS0b, JEG10, JH01, Jm09, JkG11, KT05, Kau93, Kau95, KC94, KM09, Kie95, Kie15, Km09, Ks08, Ks09a, Kk09b, Km09, Kk09, Kw95, Kw98, KNT13, KCC04, Kk09, Kp08, Ks90, Km11, Kk02, KRe07, KkR*04, Kru99, KkK15, Kuz90, Kw90, Lab98, Lab99, LH9R94, Lam13, LPT94, LPS05, Lay09, LT12, Lei92, LP00a, Li00a, LP00b, Li01a, Li05, LX08, LH98, LLY11, Lk11, Li12, Lj14, Lk07, LF11, Ls13, LL*96, Liu02, LS07b, LNZ12, LMP99, LT93, LP97, LW95, LMW07, LS05, LRT99, MDD14, MOP02, MPP09, MP96, MDT05, Mar93, Mar03, MRV93]. methods [MO01, Mat09, MST09, MR94, MG97, MI13, MP97, MOU14, MSS+15, Min04, Mop95b, Mop95a, MRS10, MK99, MKS12, Mur15, Mur98, Mus11, NRW08, NBNTGV11, Nic86, NFAE03, ns13, Nov08, OS08, ONL89, OZ96, Os95, OG08, Ore93, Ost93, OT02, Ost02, OTK04, OS12, PA93, Pat98, Pva00, Pec09, PA91, PSR04, PP09, PS00, PA05, Phi91, PGP03, Pir09, PWS02, PWS05, PT95, PAJ12, Pui86, QL*08, Ran15, RSY12, RVK15, Rha97, RTV00, RTV02, Ric91, RX08, Roz05, RBT15, Sae14, ST09a, SH97, Sar05, Sch08a, ST89, SW09a, SW95b, SW98, SWE05, SW09a, Sch12, SW95d, SGS00, SZ09, Sch95a, Sch87, Sch95b, SEG02, SB14, SR09, Sh98, SWX00, SL09, SA00, SC08, SJ11, Sid90, SG07, SD09].

methods

[Sv95, Som86, SvdHN86, SCvdH92, Som93, SK96, SW03, Dsc99, Sp95, Sp96, Sp93, St13b, SW12, Sto96, SL12, Sw05, SG08, TMD92, TS01, TDC13, T0D11, TB01, TYJ11, TK15, Tru00, Tur93, VB07, VDV98, VV92, VV07, VV09, Vn00, Vf94, Vz93, Ver06, VS05, Vs91, VMS07, VMP03, W715, WGS12, MyW10, WZ08, WRO8, W09b, W09a, W10, WZ13, W15, WSP04, WE12, WK12, Wei95, WLY11, WS96, Wn05, WCG95, WSG97, XFC00, YGY15, YK07, YG99, YW08, YR92, YXB95, Y99, Zen93, ZZL01, ZH09, ZZL97, ZL11b, ZJS04, ZP97, ZSO9, ZC11a, ZQ11+1, ZC11b, ZC11, ZC99, Zia85a, Zia85b, de92b, dRT99, de95b, in92, in95, in96, van95, vdE04, vdHW01, vS02, vS93, vC93, van93].

microstructures [Li00b, Li01b]. midpoint [SR97]. milling [IMM04, MI03]. Milstein [RKVZ15, WL09a]. MIMD [SD93]. mimetic [APJ10]. Mindlin [KK03, Lam13]. Minimal [Bar12, BFGP08, CP10, LS13, CKB12, Cu95, Hin97, Kie95, Ren14, Zha97]. minimally [BRIP08]. Minimization [Dra97, Gab02, WW99, CXZ14, DW00, Sch95a, ZHL08]. minimizing [Bor97, HJP10]. minimum [BSvdV99, Sch96, Tad86]. MINLP [EW08]. mirabilis [Aya09]. miscible [SY08, ZYSZ14]. mites [CL02a]. Mixed [BMM97a, GH07, HSS04, MZ04, VB07, VMS07, JW15, AP09, AGLF+12, BGG04, BCG14, BR08, Bra00, BJM01, BMM97b, CL08, CP05a, CS03, CZ04, CJKX11, Che12b, CMS04, GM09, HL03, HW97, iH07, itH09, iHM13, JNFC03, Kwe01, Kwe03, LM00, Li00a, LS12, LO99, MPP09, MS90, O’L87, Par04, SW11, SY08, SW85, SG05, VBD93, YV15, BYD10]. mixed-FEM [BGG04, GM09]. Mixed-hybrid [VB07]. Mixing [DB03, Gro94, MS91]. mixture [CG14]. MLP [DM09a, AS11]. MLS [MS13]. MMOCAA [ZYSZ14]. mobility [KK09a]. modal [Dat99b]. mode [DG96, EH91, dP96]. Model [BO87, HK90, Mac86, MV14, TD09, WM07, AB15, AL98, AD04, BC12, BM05, BVT14, BK09, BF09, Bho11, BTMT08, Bout02, CCGGS11, CF13a, CKP15, CXZ15, Chr96, CL09, CH89, CF13c, CA15, CR04, FKA+13, Fou00, GHK16, GLV03, HJ90, JN07, JTO66, LF14, LN08, LG02, MT11, MT05, QAE+09, RMC04, RW87, SMJ12, SH97, TKN11, TLV92, WL09c, WCGW95, WMC09, WYP12, YCY12, ZW09, ZAB15, van98]. Modeling [BH85, LC02, Per88, BLS94, Bai02, BLW02, Beh97, BGG12, BMP05, BB003, CM09, CKM15, ESS15, GJR03, HM00, JJ14, IHS13, IM00, KGR08, LCQ12, MCM12, Mur15, Neu88, NBP94, Ram94, SKAW12, SWFK13, YC00]. Modelling [BW86, RCGM98, BBPR05, BDES12, BBCS05, BR94, BCS06, D03, FMSV07, JRL06, LBLT13, Rob10, SMC08]. models [AM95a, AL04, BL15, BAD13, BBV05, BN03, Cai15, CFCH09, CD00, CI30, CF08, dCCS03, D400, DMQ02, DS07, DT89, EP15, ER01, F002, G000, HL97, KD13, LS07b, MLK06, MM14, MS11, RR14, ST11, ST14a, SLJ86, SdHK04, VV08, W02, YK07, ZC92, vSK97]. modes [CCS02, Mul99]. modification [BKM13, CJV88, V000, Wa08]. Modifications [Rei85]. Modified [Guo15, Has08, LS99a, Mar94, SY03, SL08, Bog12, CL14, CL09, DP12, Est95, HPY92, HP85, LO09, LK07, SW09b, VVD95, WL10, WW14, WYP12, XC85, XZSL15, ZH14, Zup04]. modular [SA12a]. modulated [Pul05]. module [SW95a]. modulus [Wa90]. MOESP [SMC08]. MOL [HS08, Hin95, Now96, WP04, Zha96]. MOL-applications [HS08]. MOL-systems [WS04]. MOL-treatment [Now96]. Molecular [CS01, AB12b, LB04]. mollification [AM09]. moment [Bis11, CXZ15, LR01, LS07b, Nj88]. moments [DFC99]. Monge [SWR11]. mono [VDV98]. mono-implicit [VDV98]. Monod [BM05]. monodomain [NK11]. Monotone [Wan07b, Bog12, CRU15, GR011, WL09b, YLS+99]. monotonic [AEF+14, DK94]. Monotonicity [CMIR12, DMR10, Eir95, Hat02, mWyG00]. Monte [LH03, MD06]. monument [DSC13]. Morley [HLC01]. Morocco [BDES12]. Mortar [BC08b, FM05, CX01, CH07, EJS11, HLC01, WCXL09]. mortar-type [CH07, HLC01, WCXL09]. mortars [Ste05a]. Motion [PGM86, FMU15, HT00, KOW05]. motivated [VCC12]. mound [SR88a]. mountain [VCC12]. movement
Moving [BW86, Pet87, AD01b, BHJ06, BP14, BFA03, BBD08, BC97a, CHR03, CRR03, dCCSR03, FE93, Fer96, HR96, HR97, HB09, LCHR03, LRT13, Li11, Li16, LR03, RL06, RTT01, SD13a, SS08b, SWCH15, Wag98, Zha96, Zup03].
moving-boundary [BBD08].
MP [HVY91, van95].
MPE [AC98].
MPE-iterative [AC98].
MPI [AAD14, Nak05].
MR [Kni95, Tsy96].
MSABC [PT09].
MSOR [Wan96].
Multi [BC00a, Kom07, Kuz90, LW04, Log04, Pul05, Ano87a, Arn95, BS12, BF95, But93, CaAL96, DSS89, ESEKZ10, FPPS00, Har93, HLMKZ06, iH09, Jun97, KKK02, KCC04, KM11, LX08, LW07, Mar09, Mur98, Par14, Poh93, PCA10, RKVZ15, SM89, Tor06, WWX13, XL09b, ZWK15, ZCSH11a, ZQLK11, ZCSH11b, BO11].
Multi-adaptive [Log04].
Multi-atomic [LW04, XL09b].
multi-body [Arn95, Mur98].
multi-channel [RKVZ15].
multi-color [Kom07].
multi-colored [LW04, XL09b].
multi-dimensional [BS12, BF95, iH09, KCC04].
multi-domain [DSS89, FPPS00, SM89].
multi-electron [PCA10].
multi-element [ZWK15].
multi-factor [Mar09].
multi-frequency [Par14, WWX13].
multi-grid [Jun97].
multi-level [Kuz90].
multi-medium [ZQLK11].
multi-point [Ano87a].
multi-resolution [Har93].
multi-revolution [LX08].
multi-scale [KM11].
multi-splitting [Poh93].
multi-stage [But93, Tor06].
multi-step [BC00a].
multi-symplectic [HLMKZ06, ZCSH11a, ZCSH11b].
multi-term [ESEKZ10].
multi-valued [LW07].
multi-variable [KXK92].
multi-wavelets [CaAL96].
Multiblock [Li00a, DS15, FV99, Oos95, dPT96].
multibody [Aca12, EK97, HMW05, Sim93, Sim98, WSW96, Wen98].
multicomponent [EWW99, QW04].
multidimensional [BG03, KW10, MKS12, AR15, BOE00, CXNFL4, CRU15, CILS98, Cuy90, FCX06, Hag15, HKZ08, itHM13, OP04, RBT15, ZC92].
multidomain [Tro96, YH00, BO11, Kim95, Kop86].
multifluid [DRC85].
multifluids [CFX08].
multigrid [De 02, FH08, OG08, Sha98, Ta’86, WZ02, Zha97, BRSD91, BW97, BVV09, Bre02a, BG02b, C90, CK98, CH07, D97a, EVO06, FL01a, GGLR09, GGN12, GGR97, GJV08, HY02, HST14, JT06a, Kan04, KH91, Kor95, LWT07, LP05, Mic95, M095, MN10, Oos95, PS09, P08, Ph91, R7D+12, SWX00, Sp99, Sp00, SMA01, TLV92, VP91, vBvdZdB08].
multilayered [NBP94].
multilevel [AG05b, BM12a, BC04a, HW97, Hu99, Ney95, ZC92, Bai96, BJ00, CLT97, DM12, FMGN94, FPS15, GKT10, GGR97, HKZ08, MB10, Mai09, Moe98, MRS10, Not99, Osw97, SST04, Zha00].
multimaterial [JN07].
multimesh [PD96].
multioperators [Tol03].
multiphase [KMR09, WK02, ZC92].
multiple [KM09, WK02, ZC92].
multipoint [ELLE02, HS86, HLIS16, KSP10, SAG86, WGB99, hYK86, BN12, BGG08, BG14, Boy91a, C02, EJS04, KS04, Lee10, Lei02, MS86, Mon09, PH91, RKM09, SW95b].
multiplication [FT96, MA04].
multiplicative [FL01a, Mai06, DE16, KKP07, KR12, NN13].
multiplier [ONL89, ABG15].
multipli(ers) [BGG04].
multiply [BS96a].
multiply-refined [BS96a].
multipoint [NJ7, JL86, JL87, MW93].
multipole [DM12, Eng11].
multiprocessor [CSS87].
multiprocessors [AA1+93, IVA93].
multiquadric [JN07, JD09].
multirate [GR03, BKP09, EL97, HS09b, K15, PG02, P08, SKE09, SG05, SB09].
multiresolution [BRGR09, DGRS09, FR14, GDS+15, PD96, PGS10].
multiresolution-based [PGS10]. multirevolution [MP97]. Multiscale [CL08, DC09, EH07a, WCC14, CKB13, CC04b, DDHS97, DYY09, JEO09, JEG10, LNZ12, Rob10, SKAW12]. Multispectral [CdCV03]. multisplitting [Liu02]. Multistage [ABH14, BJ98, JVK95, JR00]. Multistep [CP09, FMMK01, VZ93, AFS00, AFS02, Arn98, BT95, CM13, CL85, Cha98, Den15, FH97, Gje07, iTH02, LMG02, MST09, ONL89, OTK04, PGA93, SdhHN86, Spi95, Spi13, vB95]. Multisymplectic [AM04]. Multithread [RRMJ12]. Multithreaded [Chr96]. multivalue [Bur85, BC89b]. multivariables [Ari87]. multivariate [AEG12, CC04a, CV88, MD06, OGV92a, PGS10, WT93, de 92a]. multiwavelet [DJJ15]. multiwavelets [AFS11, MB08]. MUR8 [EL97]. MUSTA [Tor06]. myelinated [LFL14].

n [Pav00]. NACA [De 02]. Nador [BDES12]. Nanjing [LST07]. narrow [Con89]. NASCA [BJS12]. natural [CdCV03, Che16, DdCVR03, DY03, HY01, HS97, Sch91, Ste05b, VZ93]. natural-norm [Che16]. nature [VS91]. Navier [Kni95, BB15, GBB11b, BC01, Cau08, CSXL14, CD13, DJ10, DS97a, DN08, DYL04, GM10, Guo00, GHO7, Guo15, HCH08, LLO8, HW15, HFL12, Joh01, Ka96, KS00, KCL00, Kni94, KN93, Kwe03, LA11, LR00, LO96, Med96, Nor97, OK98, QR03, QMLC15, RV05a, RK91, SH01, She96, SA00, Shy86, ST86, TLY92, Ton04, VGO4, WY02, Zha14].

CM02, Cat10, CLR11, CC04a, CKK10, CCJ99, CLS04, DDP12, Dea11, DS97b, DM11b, DN08, DSZ15b, DSZ15a, Ehr08, EL01, Fou00, FM11, GP98, Gul15, GS94, HM01, itHV09, HL02b, Jun97, KLSW06, LH11, LC90, LOM08, MD911, MVVA09a, M09, PGDB08, PFHL09, RS09, RV04, RV05a, Sch03, Sch04, SB14, SYG+05, SG00, Ste05b, TW00, VL08, WZ14, Pet92.

non-asymptotic [Sch04].

non-autonomous [CL01a, DM11b, SB14].

non-classical [AS11, CCJ99].

non-commuting [BB98].

non-compactly [Ehr08].

non-conformal [CLR11].

non-conforming [XL09b, DDP12, DN08].

non-convex [AM10b, CP97, CKK10].

non-cylindrical [BCS06].

non-Darcy [EL01].

Non-degeneracy [PPS05].

non-equidistant [DS97b].

non-equivalent [PSP04b].

Non-Fickian [BFdS10].

non-hermitian [Pet92].

non-homogeneous [BP12b, PFHL09].

non-linear [AK00, BM06a, Buc04, BJ06, KLSW06, LC99].

non-Lipschitzian [WZ14].

non-local [ACMR06, Ang06, BMV06, MVVA09a].

non-lumped [GS94].

non-matching [BTDV10, Ste05b].

Non-negative [LD+14, CLS04].

Non-oscillatory [TJ12, ASCM02, DSZ15b, DSZ15a, PGDB08].

non-overlapping [BRVC09, Jun97, LOM08, RV04, RV05a].

non-parametric [AGK94].

non-periodic [BO11].

non-perturbative [Cat10].

non-quadrilateral [TW00].

non-rationally [Sch93].

non-reflecting [Dea11, GP98, SG00].

non-self-adjoint [Gu15].

Non-separable [AMR12].

Non-Sibsonian [BS00a].

non-standard [FM11].

Non-stationary [LY10, CC04a].

non-symmetric [HL02b].

non-trivial [CM02].

Non-uniform [FR14, AD15, Fou00, itHV09, LH11, M09, RS09, SYG+05, VL08].

Noncompact [Maj14].

Nonconforming [BMS89, JP08b, YLL09, CK98, C930, GHT05, JK14, Kan04, Kim12, KOS+12, MCS06, MZS10, Os07, Par04, Ris05, VMS07, ZCZ15].

Nonconstant [CLL04].

nonconvex [GT02, SL08].

Nondegenerate [KL98].

Nonexistence [BS09].

Nonhomogeneous [BJ00].

Linear [Bar05, BL91, De 93, DSS15, EH91, MSS+15, RBB085, Ren13, SM5, SW13, SCT05, Tan01, WZ08, AC98, AAM03, AB07, ALM04, A09, ADH00,ÁM14, Bac14, BY09, BHHJ06, BGG04, BMM03, BNN01, BS10, BKP14, BS09, BSQ96, BBR97, BGP11, BVRB14, BT98, Brr92, BC97a, BKW06, Bus06, CGC13, CW08, CS94, CJL13, CR05, CL07, CY08, CNS00, DW00, DM09b, DZ12b, Den15, Die15, DSSC13, DGM09, ESEKZ10, EJS11, Fdi96, Fer96, F03, FW7, FJS99, FL01b, GLS09, G09, Gan96, GS99a, GLW14, Gar96, GHKM09, GMS12, Gon06, GGNP02, GT93a, HM87, HJS97, HK93, HM09, HS95, Hua98, Iga85, Ius97, JZK06, J9R06, JW01, Jia12, KM95, KK06, Kim07, KNT13, KS04, KLSW10, LPT94, LW93, LOS03, LA11, LY03, Liu09, LZZ14, LMP09, Ma03, MP09, MP10].

Nonlinear [MK14, MP11, MS02, Mik97, Moe98, Oji88, OT02, OTK04, PM91, PD01, Per99, PA91, Rha99, RT14, RV05b, SH97, SH09, Sch09, SS99, Sch98, Sch87, SY05, SY07, SZ12, SC03, SS09, SG29, SL01b, T96, TH09, VP91, VMP03, wWyGo00, W01, Wan07a, Wan07b, WL09b, WC11, Wan11, WZ14, WGW15, Wei09, WP99, WB03, XZL07, YLS+09, Zha96, ZH09, ZZ97, Zha01, ZPT92, in 95].

Nonlinearity [Fuh01].

Nonlinearly [M99b].

Nonlocal [B092, D905, DM09b, KBS11, MVVA09b, NY13, PD01, VS09].

Nonmodal [Dat99b].

Nonmonotone [ZH15, Yu08].

Nonnegative [B03].

Nonnegatively [FLMR14].

Nonnegativity
SS94b, Sid10, Sid14, Sim93, Sim91, Sol15, SvdHK94, SS02, SWR11, Tah96, TYKK01a. numerical [TOD11, Tho85, TK05, Tor06, Tou97, Tsy96, Uty08, VO00b, VV07, VV95, Wag85, Wan01, Wan07b, WL10, WB92a, WCGW95, XL09a, YBL13, ZL11b, ZML+12, ZP97, ZCC11, tV87, van86b, van89, vdHSW98, Ano87a, BJS12]. Numerically [War92, CH04, WT08]. Numerics [FJH+01, HW04]. Numerov [AGM09, FW08, Sim91, Wan07a, Wan11, ZR15]. Numerov-type [Sim91, FW08]. NUMOL [Dia95]. Nunziato [TKN11]. Nyström [Pat98, AMCM08, BDP99, BCR01, CL14, CPR93, DM11b, Fer09, GMG04, GML00, Hoa15, Lab98, LS05, Mur98, Pat00, PA05, Som93, Tau09, VDV98, VV02, vSC92, CH95b].

Object [LLS+96, EMMK01]. Object-oriented [LLS+96, EMMK01]. objects [DH12a, ESS15, IT07]. oblique [Sod91, WN12]. Obrechkoff [VV09]. Observations [Pet87, YGY15, YK07]. observed [FV01]. observers [PGC01]. obstacle [BS14b, Imo00, KJL12, Map05, QL15, Zou11]. Occasion [CHM09, EST15]. Ocean [AL87, Beh07, Lee94, LG02, RG05, RMM12, RW87]. October [Wen10a]. ODAE [PP92]. odd [AS05, BtTBV87, tV87]. odd-even [BtTBV87, tV87]. ODE [aro96, BM09, SSV89]. ODEIVPs [Burr93b]. ODEs [ABH14, AH15, AB97, AV96, AB98, AB99b, BK06, BM06b, BKW06, BP06b, CCMS011, HS99b, LS07a, Mur98, Mur99a, Pat98, SC11, SA12b, VS95, WSP97, BT97b, BM02, CM97, CPR93, Gea93, GX93, Jac96, JN02, MW93, MQ03, Sal89, Sha85b, Sha05]. off [FV85, Fuh01]. off-diagonal [Fuh01]. oil [Aff94, FBS09]. Old [Cuy90]. omitted [BB10]. One [Buc06, De 88, Gil10, KL09, Pet87, Bac14, Bho12, BFA93, Bok03, CP05a, Chi93, CY05, CN11, DR09a, DL13, Eir99, EK97, FP02, FD97, FdSB02, Guo01, HZ09, Hin97, Hor99, Hua00, HL89, Kam00, Kie95, KS09b, LL98, LAH90, MV13, Moo95b, Mus11, SMEN04, SLJ86, SM93, Sh285b, S11, SW12, TY11, TM04, Ver93, WZL08, WSS97, ZH09, ZZW97, ZQLK11, Brv97].

One-Dimensional [Pet87, Bac14, BFA93, CY05, FP02, FD97, HZ09, Hor99, KS09b, LAH90, Moo95b, Mus11, SLJ86, S11, SW12, ZQLK11]. one-leg [Hua00, WZL08, ZH09]. One-level [KL09]. one-parameter [Hin97]. One-point [Gil10]. one-speed [FdSB02]. one-stage [Chi93]. One-Step [De 88, Buc06, Bok03, EK97, Kie95, SMEN04, SM93, Sha85b, TY11]. Ontario [CFTW08]. Open [Gus88, Gla93, HGR01, HLL09, Kim14, Mai09, Man97, Mar94, RW87]. Operational [MZ87, Lab92, dHV13]. operations [HR14, IMM04, MI03]. Operator [GV02, AMT13, AHS03, AB14, BF15, Bie12, BC05, BC04b, BFH09, Bso06, CM02, GK09, HHS03, Kan04, Kie15, KNT13, KvyS15, LMS08, MS99a, Ost02, SCT05, SN04, WK00, WWL08]. operator-splitting [AMT13, BC04b]. operators [AL95, Auz03, BRIP08, BK06, BCE04, BM06, Chr01, EH07b, GGMP88, GSR00, GP04, GS05, Haa97, HB02, HH08, HM01, HZ02, HS97, Osw97, PGA93, Pel15, Str98b, SG06, X13, YBL13, vSW90]. optical [ASZ15, AES13, BCM03, Den07]. optics [DHL00, RVdCVR02]. Optimal [AMP03, AMCM08, APA92, AW09, BS05, Ch93, DM99b, GS99a, GP98, ILO2, KMG09, Kwo03, LMWZ10, MG97, Nke07, ST09a, SHA12, AA04, AM99, AM00, AVMV09, ARS05, BGH08, BGP11, BVB09, BSZ15, CKP15, ECB07, EGL09, FG13, For11, Has08, KP15, KR15, MZS10, NK11, P103, RSD+06, SG00, Sim94b, XL11, YGY15, YK04b]. optimal- [FG13].
Optimally [KLSW06]. Optimally-stable [KLSW06]. Optimization [Bie87, CDI91, Jor11, LHÖ13, SS09, AH09, AD99, CH87, CMS06, DW15, EM05a, EM05b, Fer14, For02, GM08, GMZ08, GM10, GGPN02, KK11, Kok08, KLS13, KL87, LS10, LS86, LT05, Meh08, Min87, NK11, On11, RP01, Ren99, Rha97, Rha99, Sch09, SWJ09, SA08, SdSC99, WM08, Yu08, ZWL11, ZP12].

optimization-based [Kok08].

optimization/simulation [Min87].

optimize [IMM04, MI03, SH02].

Optimized [QLL+08, Tsi01, AKGR14, CM02, GKMS09, Mar05, SEGV02, Ven15].

option [AD99, CF08, FV01, GGO13, LL15, ZW09].

options [ALY03, AO05, BP14, BAD13, BNV06, Bis11, CXZ15, HFL13, ST11, ST14a, TGB08, ZGO12, ZO14].

orbit [DG10, vdHMdS99].

Order-dependent [ZJ10]. ordered [HP97, Not92]. orderings [Ara99]. orders [AMP03, ESEKZ10, SV00, Tsi01]. ordinary [AT93, BJ05, BZ92, Bok03, BJ11, BC89b, BB96, BB98, BC95, B9J98, CL01a, CD95, Den93, Enr06, FMMK01, GGMP88, yGpY09, HJ05, IM98, Is02, JVZ95, JVZ96, MP94, NMKE13, RT95, San89, SZ12, SCvdH92, SL01b, Tem15, TYJ11, Tsy96, XFLC00, YC13, ZG92b, ZC99, in 95].

orientation [ACM91, ZML+12]. oriented [AS05, EMMK01, GG95, LLS+96, SG05, WSS97]. Ornstein [ZGO12]. Orthogonal [Ari03, BDMGVO05, ADG11, BSFDM02, BR01, Bre91, BDRZ04, CIZ96, CKL03, CMR12, Cun03, Cod08, DR01, DMR10, DMR13, DM97, DJM09, ERS00, FRV11, Hig96, JT09, Jon05, KS10, Lee10, LF00, LZY09, Mar94, MM02a, MIR05, Mie89, SG09, SLZ10, WM07, dACR10, RMM12].

orthogonality [BDRZ04, JJ15].

orthogonalization [SS99, ZNK02].

orthonormal [CaAL96]. oscillating
oscillator [EK95, MH04]. oscillators [FW07, GMGF02, JJZ10, YYW08]. oscillatory [ASC02, CC04b, Che12a, CEW00, Den93, DSZ15b, DSZ15a, Eva94, EW97, Ec07, Fra04a, Fra06, GMG02, GMG04, Has09, Has13, Ise02, KCI03, LWXX10, PGDB08, TJ12, VV05, WWXX13].

Oseen [AKL08, Cao10, Cod08, KLY05, vdVS08].

Osher [HS86].

other [Ske99]. otherwise [BB10].

Out-of-core [MMBB07]. outflow [Nor97, Nor99].

overdeterminations [HP14].

Overflow [FT96, FT06].

Overhauser [Arc06]. overlap [Pav00].

Overlapped [DS07c]. Overlapping [Coy12, TMS87, Wan05, ZHL03, BRVC09, Jun07, LOM98, RV04, RV05a, SA12a, de 95a].

overrelaxation [HPY92, KP03b]. overset [QLL +08]. Overview [WP99, FNT06, Hsi06, MLK06, SV95, Wei95]. own [KV07].

P [CHM09, CS09, Gwi09, PPS10, Kan04]. P.D. [Ano87a]. P2 [Kim12]. P_SPARSLIB [SW95a]. package [HSW99, HS02, HK93, HVY91, SH02, dH95].

Padé [Ari87, Kid90a, Sad06, AEG12, Bel91, BW15, Bre96, Bre02b, Bre10, But09, CL06, Cat10, Dar90, DMV005, DMV009, GLLW14, Gil10, GVP93, GM94, KS91, Kid90a, Kid90b, Lor10, MdR05, OGV92b, Pre90, Pre95, Sad97, van86a, v87].

Padé-type [Ari87, Kid90a, Dar90, Kid90b, OGV92b, v87]. Painlevé [AY15]. pair [Cul95, FW07, Tsi01a]. pairs [BL05, BS92, Hig97, SV00, TM15, Ver96a].

panels [NPB94]. Pantograph [AS00, BGT97, DBBH14, Ise97, Liu97].

papers [FJ97, vdHSW98]. parabolic [ADK94, AES15, AMC02, AAI93, APJ10, AED12, BKM13, BC08b, Bo12, BJ03, BJ06, BCS06, CS94, CX01, CL10, CL01b, Deh05, DSSC13, ELCWS98, EL94, FHK05, FM95, FJS99, GQ99, Gol00, GDS+15, Gon06, HZBM05, HOKO12, HM01, HP14, HW04, HO05, IVA93, JCS093, KL98, KDAK13, KS07, KZ13, Le 12, LW95, LOM98, LQ95, MS03, MVVA09a, MS09, Men91, Moo95b, MD96, Now96, OS08, OT02, OTK04, PJB04, Sch87, SCH95b, Sea09, SB14, SD09, Sti03, SLZ10, Tau09, TV91, Ver96b, WKM04, Yu99, ZK00, Zuo94, Ant13].

parabolic-hyperbolic [GDS+15, Sea90]. parabolised [BS08]. Parallel [AB09b, BOEP00, BDF94, BS92, BTDV10, BMT93, BT98, BF95, Bur93a, BT00, BC95, CSXL14, Con89, Der92, DF96, FLÖ+97, FV99, FPS15, GM93, HH10b, IM02, Kie95, Kim95, MW93, Mic95, Mic89, Nak05, Ore93, Pet92, PV93, SK97, Sch91, SH10, Ste05a, WSP04, YH07, ZC91, ZX09, vSC92, vC93, van93, vdHMD99, AT93, AB98, BN99, BC99, BRSD91, Ben96, BNH01, BT02, BTP96, BDFV95, BS91, BT93a, BT97c, BDP96, BS00b, CKB13, Ch96, CM07, CX08, CPR93, Cve02, DDSF07, DUV93, FL93, FL01a, Fre91, Gen10, GY94, GGM95, Hab08, HY02, HVY91, Jéz99, KG90, LS99a, LYO199, LN92, Noo99, OP04, Oso95, PSB91, PWS02, QR03, Qu96, SW95a, SWE05, SW09J0, SK91, SCvdH92, Son93, Tsa91, Tsa92, VG04, VS94]. parallel [VP91, WK12, WWS+93, WCGW95, ZSM99, dH95, dDF+94, de 92b, de 95a, dv95a, de 95b, v939, v896, vvdV97, vvdvdH95, dH95]. parallel-iterated [CM07, CX08].

Parallelism [Che88, GX93, KP07, Doi91, Gea93, SD93]. parallelizable [Kim94]. parallelization [Jun97, RRMJ12]. ParallelGAM [AB98].

Parameter [BB05, BP92, KK06, OS08, SW09J0, SSW04, AMV03, AD04, BO04, BR94, Deh01, DT89, Eir99, EG88, FHM+02, GOP06, Hin97, LN08, MCS06, MOSW00, Neu88, Sim10]. parameter-uniform [FHM+02, MOSW00].
parameterisation [CM04].
parameterization [Gar05, LG02].
parameters [AB09a, ABF95, BAP96, BD07, BB05, BCMV03, BS00b, Cat10, CJL13, HK09, MW93, Pul09, WL09c].

Parametric [GFB99, Lo06, AGKK94, BP85, Che16, GS99b, LS07a, Ren14, SC11].
parametricization [GLM09].
parametrized [HM09].
parasitism [NH15].

Part [BV94, Mur99a, BO11, Ioa89, Kru99, XB14, BDDV12, CY05, DGN12, GPHAM12, JLH13, LFS15, Mur99b, NRR06].
Partial [BV94, Mur99a, BO11, Ioa89, Kru99, XB14, BDDV12, CY05, DGN12, GPHAM12, JLH13, LFS15, Mur99b, NRR06].
Partial [BV94, Mur99a, BO11, Ioa89, Kru99, XB14, BDDV12, CY05, DGN12, GPHAM12, JLH13, LFS15, Mur99b, NRR06].
Partial [BV94, Mur99a, BO11, Ioa89, Kru99, XB14, BDDV12, CY05, DGN12, GPHAM12, JLH13, LFS15, Mur99b, NRR06].

partition [BSP04, Mit97, PPS05, SH10].
Partitioned [CH95b, DM11b, HR06, Rec03, WGS12, Wen98].

partnership [HL97].
parts [Str98b].

past [CRTU15, LMS08, PP00, TOCW02, Son00]. Patankar [BDM03]. Patankar-type [BDM03].
patches [WM08]. path [RP01, SZ99].
path-constrained [RP01]. path-following [SZ99]. pathology [AQ00]. Patrick [PSR04]. patterns [Hu99, NMSF94]. PC [CM07]. PDAEs [LD02]. PDE [Chr96, DKK94, MR92, MSS+15, PR09, SSV89, Sch96, VG04, WYP12, Zha96]. PDE/stiff [SSV89]. PDEs [AA1+93, BV94, BKW06, CMK15, Dia95, GLPW09, GPRR12, IVA93, Toc01, Wal00b, Zeg97, Ber04, Ber05, CMCGTR02, GGR97, WKM04]. peak [Wal95]. peak/plateau [Wal95]. peakers [CLP15]. peakeons [AS06]. Peaks [Cul95]. Peer [PWS05, SW12, WSP04, CMRD11, GLPW09, JKUW12, SW05, SJW09, Sch12, WEA12, WKP12]. Penalization [BCL15, PBC08]. penalized [Kvy15]. penalties [Io00]. penalty [BB94, CH13, CSM07, HHC08, Hes00, HFL13, LY01, ZCC11]. concave [SC11].
Perturbation

[RA05, Arn95, BF99, FHIM+02, FV85, KHM+14, LVFP14, Nak12, SdSC99, Sto96, TM15, Vul92, Vat95, ZGL98].

perturbations [BT94]. perturbative

[RA05, Arn95, BF99, FHIM+02, FV85, KHM+14, LVFP14, Nak12, SdSC99, Sto96, TM15, Vat95, ZGL98].

perturbative [Cat10].

Perturbed

[RSL89, Rei85, AL98, AAMS14, BM00, BM01, BO04, BBR97, Bog00, Cum95, FW07, FJ09, GMGF02, GOP06, HL99, Kau95, Kau97, KS04, Li00a, Li01a, LT01, LG02, LW95, MF99, MOSW00, Mus11, OS08, OQ15, Pap95, RK08, RTU15, YW08, ZCZ15, ZL15, ZX14].

Petrov

[DM09a, MS13, AD08, BBR97, DGN12, GJ0V8, KNN03, Sac93, mWyG00].

Petrovskii

[BFdO07].

PGEM

[ABFV09].

phase

[Boz11, CH15, ER07, GHK16, GOGF03, LL98, LY08, MR06, Pat00, RZ15, SY08, SS09, TCCW89, TKN11, Wag98, WM08].

phase-fitted [Pat00]. phase-lag [SS09].

phenomena

[Pir09, Ven15, ZG92a, ZG92b].

Phenomenology

[Bri85]. phenomenon

[FRRT10, Jun07, RSL98, BO11].

Phillips

[Lub92].

photic [NS13].

physical [YK04b]. physics

[AK09, Cat10, MA09, PCA10, Sam94].

physics-based [AK09]. physiological [CKP15].

physiologically [BL15].

Picard

[Lay08]. pieces [WWS+93].

Piecewise

[PGS10, CL14, GVS19, Pic05, Pla08, Sti03, TL07, ZWL11].

piezoelectricity [MZ04].

PIM

[idH95].

pipe [DM09a, RR00].

Pipes

[hYK86, TT03].

Piskunov

[BFdO07].

pitching

[OK98]. pivoted [HPS12].

pivoting

[GP93]. placement [YK04b].

planar

[BF01, EM05a, EM05b, Gab02, RAS99, SK01].

Planck

[Van92, jWyG08].

Plane

[PGS16, LHC09, MM02b, Mik97, MS99b, Wan05].

Planewave

[NS13].

Planning

[MZ87].

Plasma

[DRC85].

plastic

[HS07].

plate

[BS94, BH12, CM09, yDqGaJ09, Fa00, HLC01, KX03].

Plateau

[Har09]. plateaus [Cul95].

platelets [SWK13].

plates

[CCS02, KK06, Lam13, NMSF94, QR03].

plotting

[FF04]. plug [FMSV07]. plus

[Han97, LY01]. PML

[CWM09, Kim14, TY98]. PMBs [BP12a].

Poincaré

[DLM05, Hau88, Lev91a, WE99].

Point

[Pot85, SM85, AD99, Ano87a, AL05, BM12a, BA10, Cao03, Cao07, Cao09, Cao10, Car09b, Cas96, CW98, CJL13, CL07, CC08, Cui04, DJ10, DMG005, DMGVP009, EHM01, Elm02, Gil10, GVP03, HK03, HM09, Ius97, Jac93, Kat89, KS01, Kor95, Lyn92, OG08, OGV92a, OGV92b, PPT02, RV05b, Sim04, Ske99, Ste97, Wan07a, Wan11, Wei10b, WG11, WYP12, ZZXL14, ZZ97, Zha03, Zup03]. point-like [CJL13].

Points

[Leu00, Wei09, ZMC13, BSZ15, Fra14, TM04].

poisedness [WW05]. Poiseuille [MM07].

Poisson

[AO91, BSU94, BS14a, CHF09, EK06, HLY04, HLZ06, LX08, LHWF08, LW07, Phil11, RV04, She00, Zhe07].

Poisson-type

[AO91, She00]. Poisson/ symplectic [PX08].

Polar

[SST09, Kwa09, She00].

Polarizations

[SR88b].

pole

[JD94]. poles

[SM12, SL01a]. pollution

[AVMVMV09, Bou16, DS03, TM04].

polydisperse

[MM14].

polygon

[AM10b, CKK10].

polygons

[MZ99, Plu99, Plu12, Rus95, SW98, AA04, BM04c, Boy06, Boy07, BS09, BO11, CP94, CJL13, Cid12b, DJ15, GVS19, Han06, HL08, Iva07, JBL11, Kid90b, Mar99b, MN03, MQ03, Mie99, Nov03, PH01, Pla08, SD14a, SZ12, Win01, Win04, Wu03, ZWK15, de 92a].

Polynomialization

[Boy07].
polynomials [Alt85, ADG11, BR01, Ber05, Bor10, Boy15, Bre91, BDRZ04, BDMGV05, CMR12, CKM10, DGV00, DR01, DMR10, DIR13, DB08, DM97, DJM09, FRV11, GSW09, JCN94, JJ15, JT09, Jou05, KP92, Lee10, LY10, Mar94, MM02a, MG97, Nap16, Pat98, Per03, Sim94a, dACR10].

polynomials/functions [GSW09].

polyvalent [CMR94].

population [AM95a, AMT13, ALM04, Aya09, QAE +09, SH97].

porous [AKT97, BM04a, BM04b, BBL02, CCK03, CML05, Cho13, CD13, EH07a, EWW99, FBS09, GJR03, HJ09, KT05, KMR09, MK14, MCM12, SR88a, SY08, ZYSZ14].

portable [PSB91].

posed [CRS05, EG88, Kli15, Lie01, Luc95, MRH14, Sam94].

position [CM06].

Positive [BW95, Cao07, DBCBPP10, Ara99, BRBM08, BBKS07, Cao01, Che12b, CL88, DL01, GP93, GP04, KCB02, Liu02, Lu98b].

Positivity [BK12, Hor98, Ber04, Ber05, GM87, HKO12, Hor05, KP03a].

Post [BSZ15, CCM02].

Post-processing [BSZ15].

Post-projected [CCM02].

Posteriori [Rei85, AS05, AB10a, AOW94, AP08, BLS94, Bac14, Ban97, BS14b, BM13, BBG14, BRVC09, BC04a, BHR05, Bür12, CMP03, DDP12, EG88, EFLFP09, FH10, GHH09, GHT05, Joh01, JM94, Kim07, Kim12, Kwe00, LCHR03, LS12, LY03, Moo04, Neu88, Roz05, SS00, SZ09, WH13, XL11, YSB14, ZC15].

postprocess [dFN00].

Postprocessing [CJX11, GANT02, YS09].

Potential [Man96, BP85, CHPV09, CJL13, DDD97, DS97b, FS15, KK02, LWD*09, LN08, ST14b, VZ93, dRT97].

potentiality [BT97c].

potentials [AES15, CCP04, EP15, Gia12, Kan00, RV15, RS00, RU15].

Powell [BFGP08, LMS09, MB10, PT09, SST09, ST15, Spe12].

Power [DRC85, BL06, CFV10, CL88, Lon88, Mat91, ST09a, Wen10b, Win04].

Practical [Iga85, CK06].

Prandtl [CMP06, FHM*02, PR89, RLSS06].

precision [Var92, vdHMdS99].

Preconditioned [WWS07, AGJ12, AG05b, CR05, DW00, HX91, YG95].

Preconditioner [BTMT08, Aro96, BG11b, DO95, DO98, Dor91, Fuj99, GS92, HY02, HvdHV10, KKP07, PM03, SWX00, Ste97, Wan05, WCXL09].

Preconditioners [Eln02, AK09, BS10, Cal15, CRS05, Ca07, Ca09, Ca10, CES91, Ch01, DdSF07, DJ10, EVO04, EVO06, GGM07, GCP01, GR97, Haa97, Kos02, MB10, MD06, NR14, Osw97, PS09, Sim04, ZNK02, de 95a].

Preconditioning [AES13, KK09b, NRZR12, OKS10, San03, ASZ15, Bai96, BT93a, DB97, DDS89, DSSC13, Gen10, GKM09, Guo96, HLM09, Hue99, KJ99, ML91, Mun00, Not99, SW98, SH02, Tur93, WZ02, Zha00].

preconditionings [BD85].

predator [CL02a, Wan09].

Prediction [Bre85, Cat10, YH07, ZHJ14].

prediction-correction [ZHJ14].

predictor [ASC03, Bur91, CZX15, IM02, JL91, LLL12, Wai98, Zla85b, de 95b, vC93, Bur93b].

predictor-corrector [Bur91, JL91, LLL12, Zla85b, vC93, Bur93b].

predictors [HR06].

Preface [AM05, AGH*10, Ano00f, Ano00g, Ano10, AM05, AM08, BGS14, BKV08, BC94, BRZW10, BR09, BGHR12, Burt4, CPS02, CP03a, GHR06, GCJ*12, GKS04, HV03, Ja06, JRS14, LST07, PS04, PS05, SW95c, SG02, SSW02, SVSW05, SVAW09, Spi03, Spi04, VS04, VHA12, tRDvdV91a, tRDvdV91b].

preferential [QAE*09].

prefractal [BBV13].

preliminary [QLL*08].

prescribed [Tol04].

prescribed-order [Tol04].

presence [Neu88].

present [Son00].

Presentation [KW12].

presented [Wen10a].

Preservation [HXW15, Rei99, Ber04, Mat08].

preserve [Rob10].

Preserving [Ber05, ABK12, AB14, BK12, DLP06, DF92, Gje07, HKO12, HMT03a, HMT03b, Hua09, JK14, KGR08, KT05, KMG09, KP01, MDP10, MDRR11, MGB10, NFT09].
NBNTGV11, PA05, VL08]. pressure
[BC01, CKS05, GP00, GRGJ02, HL08, KS02, LA11, RBC02]. preventive [KN08]. prey
[CL02a, Wan09]. prey-predator [CL02a]. prices [LL15]. Pricing
[ZO14, ALY03, AD99, BAD13, BNV06, CXZ15, FV01, GGO13, ST11, ST14a, TGB08, ZW09, ZGO12].
Primal
[dRT99, BSZ99, HMW05, MDT05, Par04, SZ99]. primal-dual
[Car09b, HMW05]. primitive
[LLL08, RG05, RMM12]. Prince
[EL97]. principle
[CL01a, FHK05, Tad86, Tol03, Vej10]. printed
[BLW02]. priori [HMW05, JR02, KPY15, LMWZ10, MS03, TM05]. probability
[BD07, Shy91b]. Problem
[BH85, YK04b, AH09, AB05b, Alt13, AL98, AKL08, AMV03, AP08, AS00, AFWLG12, BF01, BM13, BGG04, BM00, BR05, Ben02, BGM+09, BBCS05, Bis11, BR94, BJ00, Box11, BS97b, BP05, BS15, BS04, BP95, CFRA08, CL08, Cau08, CGN03, CKP15, CMP03, CX01, CH07, CJX11, CH04, Cop03, CF05, CF13c, CF14, CA15, CG14, DT15, Du11, yDGuJnT09, EM05b, EW08, FHM+02, FE03, FL15, FB09, FH10, Fer93, Fer96, FF00, FS15a, GLV06, GM09, GMS12, GOP06, GGG16, Guo00, HS07, HLZ14, Han87, Har09, HILK13, HJ06, HK85, HX11, HLC01, Isu97, JP08a, Jes93, KS91, KPR06, Kim94, KS09a, KS01, KS04, Kw93, Kwe01, Le 12, LLI98, Le02, LPZ00, LO03, LK07, LLI12, LLY15, LP01, Luc95, MG00, Man97, Map05].
problem
[MNR14, MN03, Mat05, MM02b, MS08b, MOSW00, Mo95, MCM12, NS03, NS12, NY13, Nja88, OQ15, OP04, PS00, Pic05, QC12, QL15, Ram96, RSL89, RTU15, RBT15, SGS00, SR88a, Sel14, SC08, SK01, Sto96, ST08, Tia15, TTT03, TM15, VRO1, WW05, WN12, WW14, Wn09, YLL09, YL13, ZTZZ15, ZG92a, ZCZ15, Zhe07, Zou11, vBvdZ08].

Problems
[De 88, Gus88, Per88, SM85, ALMM01, AL09, AB07, AGJ12, AES15, AM02, AMP03, AB09a, AM14, AT93, AD99, AG05b, AC08, AP10, Aug89, ABG15, AMS14, AL05, BC12, BS14b, BY00, Bar09, Baz03, BBV05, BNH01, BC08a, BGG12, BC04a, BDF05, BW96a, BW97, BC08b, BH08, BTMT08, BP14, BS97a, Bla00, BBR97, BB08, Bog00, Bog12, BMM06, Bos09, BBL15, BP09, BJ01, BT98, BM09, BJ01, BJ03, BJ06, Bur93a, BT00, Bus06, BC89c, BS00b, BR05, Cah89, CSR05, Cao03, Cao07, Cao09, Cao10, CP07, CL85, Cas96, CW98, CM02, Cas06, CS05, CP05b, CES91, CM00, CP07, CQ96, CR05, CK98, CC04b, CZ04, CYM09, CL10, CM14, CML05, Che12b, CH13, CJLS98, Con99, Cui04, DZ12a, DDHS97, DD12b, DLW15, DS07c, DSW96].

problems
[DS15, DP90, DY03, DL06, EHM01, Elm02, EDB07, EG88, ELO9, Ew91, EL94, EGH01, FW08, FK05, FL05, FD97, FHM+02, FdSB02, FMP04, Fra04a, FG09, FLR08, Fra14, Fun94, GAM04, GMZ11, GM02, GM04, Gen10, GAW09, GS98, GRLL01, GMP03, GML00, Gou06, GH02, yGpY09, GHF00, Ha08, HJS97, HK012, Har98, Har10, HOS99, HM01, HSS04, HW06, HMD03, HK93, HM00, Hig93a, HLo2a, Hin95, HO05, HOS11, HY01, HXC03, HB09, HM05, HLS16, HK09, Iga85, Im000, JJ94, JP08b, JS09, Jea09, JK14, JR02, JCSR03, JN03, JM94, JV09, Kat89, KEO91, Kim07, KL09, KKW00, KCC04, KP03b, KM11, KK02, Kur98, LHH96, LWT07, LHCO9, LRS09, LV12, LVK01, Lee94, Lei99, LF00, Li00a, Li01a, LY08, LMWZ10, LTT07]. problems [LC99, LS07a, LX09, LS09b, LT01, LY03, LCJ12, LT05, LMP99, LT93, LG02, LAH09, LF15, LW95, LOM98, MOS02, MK14, MH14, MA09, MS03, Mar94, MS00, Ma86, MS90, Mat09, Meh08, MR01, Meu91, Min87,
problems [XC85, YGY15, YSBL14, Yos00, Yu99, Yua93, YD07, ZG92b, ZMC13, ZPT92, ZWL11, ZX14, Zla85a, ZCC11, FG96].

Procedure [Pot85, BFA93, BS94b, CKB12, DSZ15b, DSZ15a, HP15, Kim94, LR87, Par04, SW85, TK05, ZQLK11]. procedures [BSZ15, FS05, GGO12, LP97, Nor97, Rha99].

Proceedings [Ano02g, FG96].

Process [Bie87, BRZ10, BKP15, KL87, LYY15, PGC01, RW87, RSD + 06, Zha96, ZGO12]. processes [BZ91, CKB13, RY13, ZO14].

processing [Alt85, Bha01, BCR01, BS15, CF13a, Duf09, LN92, Sae14, Sööd06].

processor [VP91, Win92]. Product [TMD92, AAD14, BS05, Fuj99, GCHR06, GVSL96, MN03, RG02]. production [BDM03, KN08]. products [Gil91, Goo90, Mar09, WGB99]. Professor [CHM09, EST15]. profile [BN03]. profiles [CDV00]. program [HSW99, HS02].

programming [BSZ99, Car09b, EB12, GS99b, GT02, KS91, KS10, LLS + 96, LRT99, Ren99, S99b, V999, Zha07, dRT99, ZNK02]. progressive [EW97]. Projected [TMM15, CCM02, KP03b, SS12, Yu08].

projection [AMR14, BJ02, BLW07, BS91, Cai15, CM97, ÇK13, GV04, Guo15, HL08, Kan99, KL09, LA11, Mat09, Min09, SEGV02, Tob14, YLS + 99, Zha14, ZHJ14]. projection-based [ÇK13]. projections [CH87]. prolate [BSDG09, FRRJT10].


Pseudo-Time [ST86]. pseudo-transient [HH10b]. pseudocompressibility [She96]. pseudorandom [GPíP03]. Pseudospectral [BMV06, HT00, AT15, Aug89, Boy91b, CD00, DDS89, DHL00, EES05, Fun90, GT93a, JR00, KS09a, Mar93, MZK05, jWyG08, YH00, ZL11b, ZK00]. Publisher [Ano04m]. pulse [TER03, TCCW89, XC85]. pulse-spectrum [TCCW89, XC85]. pump [RVD00]. Pure [BB15, Usm97]. purpose [AA87]. pushbelt [SUP + 12]. put [ALY03]. PVM [Mic95].

q [MM02a, Pav00]. QED [Sus10]. QMR [Cao98b, FN95]. QN [Ree03]. QR [GS08].

Quadratic [FS88b, Han06, HL02a, LMS09, LT05, RS14, SE93, AHR12, Bra00, CL07, DW00, Eir95, EB12, GT02, HXW15, HMW05, LP00, LL02, LF15, MMP09, RL86, SST09, SST15]. Quadrature [MO01, ADH00, Bre10].
BDMGVO05, BGVHN10, CMP15, CCBGV08, CL14, CHH15, Chr01, CEW00, DGV00, DBCBPP10, Der92, DIR13, EC07, HLL09, Ioa89, KCI03, Kza92, Kza99, LWWX10, LFS15, Lub92, Maj14, Pe15, RdAP96, SST12, SHA12, Sid14, VV05, WT08, XGM08.

quadratures [DMGVPO09, MD06, MSP10, Wel10a, Wel10b].

quadrilateral [Bof06, MCS06, SN04, TW00, Yi12].

quadrilaterals [BSGU94, GHT05].

Qualitatively [Pru00].

quality [BGG12, BS96a, CGCMTR02, Zup03].

quantum [CCP04, JT06b, Car94].

Quasi [BDRZ04, CPP02, Gar05, JJ15, Lem02, MD06, BWY03, BRIP08, Car94, Chou03, Cop03, Fre91, GMZ11, GLV06, GS05, Jou05, LMS09, LMP99, LD02, RR14, SST12, ST09, SST15, SW09a, WLZ13, WW14, WKP12, GM93].

quasi-cell [Car94].

quasi-consistent [WKP12].

quasi-geostrophic [WW14].

quasi-interpolants [LMS09, SST12, ST09, SST15].

quasi-interpolation [BRIP08].

quasi-interpolatory [GS05].

Quasi-Isometric [Gar05, Chou03].

Quasi-linear [Lem02, GMZ11, LD02].

Quasi-Monte [MD06].

quasi-Newton [Fre91, LMP99, SW09a, GM93].

quasi-nonnegative [BWY03].

quasi-orthogonal [Jou05].

Quasi-orthogonality [BDRZ04, JJ15].

Quasi-static [Cop03, GLV06, RR14].

quasilinear [Ben98, LL98, Sch87, Vui92, ZLG15].

Quasistatic [CFKS07, WAV12, CFRA08].

quenching [LLT07].

R [BE99, WSC09].

Radau [AC96, BIM15, Wel10a, Wel10b].

radial [AT15, BAD13, BG11c, Jun07, JD09, Sar05, SJ11, Sim91, uV13, TLSS09, XB14, ZT06, ZHL03].

radiation [HG98, OMP98].

radiative [SK97].

radio [PG02].

radius [BK06].

Ramanajan [AR93].

Ramanujan-type [AR93].

Random [BO87, BJ02, Che12b, DFC09, Lav94, Pul09, Sz12, SdSC99, TD09].

random-data [TD09].

Randomized [JLL90, OP04, PM14].

dynamically [DH12a].

range [Auz03, Eva94, EC07, Has13, JP08a].

ranges [Spi93].

rank [Baz03, Ben02, Dor91, DSS15, HPS12, HR14, Hey10, Lia09, SY07].

rank-deficient [SY07].

Rannacher [GKMS09].

Raphson [JLL90].

Rapid [LR93].

rapidly [DC09].

Rates [BFK11, KN08].

ratio [Pic05, Wan09].

ratio-dependent [Wan09].

Rational [AM00, CP+05, AMCM09, BFK11].

BGVHN10, CAD03, CLS04, CV88, DBCBPP10, DBBH14, IN89, Iva07, JM05, Lu98a, MN08, OGV92a, PA91, RL86, SYG+05, WT93, YR92].

Rational-Gauss [DBBH14].

rationally [Sch93].

ratios [AR93, CJM88, ML91].

Raviart [BC08b, Bra00].

ray [SSW04].

RBF [BB10, JGK11, KCS07].

RBFs [Boy15].

RC [AKGR14].

Re [CM04].

Re-parameterisation [CM04].

reacting [TER03, dB03].

Reaction [GM85, ND85, ALMM96, ALMM08, ALMM01, AL98, ABR05, BJ02, BM01, BBRBS09, BC08a, BC04a, BW96a, FbdS10, CFCH09, CfdF01, Den15, EV96, FMP04, FJ95, GAML04, GV02, GPPR12, HW06, HS95, HV95, JT06a, KCO3, KCP01, KOW05, KLO9, KSS04, LW93, Lan95, Lan97, Li01a, Liu09, LO96, MOSW00, PS09, wSJP15, SG09, SG07, SW13, Str98a, TH09, TMM15, VVR08, Vej10, Wan01, WL09b, Wei09, Won08, ZdBT03, ZC15].

reaction-diffusion [ALMM96, ALMM01, BM01, Den15, EV96, HS95, LW93, Lan95, Li01a, LO96, MOSW00, SW13, TMM15, Wan01, ZC15].

reactive [KW98, KCC04, SW05].

reactor [MA09].
Real [LT07, MZ87, BC99, Boy06, CKL03, DMPP99, Gl94, JJ15, KCB02, Ore93].
Reconstruction [GOGF03, ABJ12, CH87, CdCV03, DH12b, DSZ15b, DSZ15a, KH14, Kim12, LYY15, RS09, San03, XZL07, ZC91].
Reconstructions [AN15, BM04c, BL06, MS08a].
Recovery [Sch08a, BB94, BGS02, LN08, Nke07, ZY14].
rectangular [CYM09, HS97, PH91, ST08, WM07].
Recurrence [Pr´e10, Leo10b, Lev91a]. recurrences [Cao98b, WW99]. Recursive [FS88a, MST07, Koz94, SST04, SS10].
Recycle [WSC09]. recycling [SSX14].
Redistribution [Eis86, AGM95, RN04]. redistribution [Eis86, AGM95, RN04].
Reduction [WSC09]. Reduced [Dal13, Roz05, AW09, Bai02, Boy91a, DF11, DS03, Dor91, DSS15, HMDV03, LZY09, MH14, SLZ10].
Reduced-basis [Roz05], reduced-order [Bai02]. reducible [Der92]. Reducing [RB12, dy95a, DS02]. reduction [AMC02, AFLP12, CH95b, CHZZ06, Dah02, DY03, HK09, JLH13, LHO13, MVG14, PJB04, SMJ12, Sch96, Sch89, Sim98, SSvG10, WM07, YTO3, dG91, dRT99].
reference [BN03]. Refinable [GP04, CMP15, GPP04, GS05, Pe115].
Refined [SM85, BSGU94, BS06a, EL94, HMP14, Jia00, Jia02, Zha14]. refinement [AA94, AS97, AL98, AGJM04, AKL08, AF89, BMGM12, BFA93, DF96, FM95, HW97, LCHR03, MT05, Moo04, PC00, PPC00, RSK14, SS13a, Tro93, VT93, Zeg97]. refinement/derefinement [PPC00].
reformulations [LH09]. reflecting [Dea11, GP98, SG00]. reflection [Vic87b, VS91]. Reflectionless [Pet00]. reflections [Waa88]. reflectivity [SSW04].
regridding [Fe93, TV91]. regula [CL07]. Regular [AFS00, Hig97, AR93, AA94, Chu03, HP97, MS02]. Regularity [JVZ96, JVZ97, XFC00, AW09, BM05]. regularization [DH12b, EG98, FFQ09, HSS04, HJP10, Kli15, Lei09, Neu88, RSY12, Sam94, Sid14, WL09c, WZW13, YL13].
regularized [AD01a, LV12, Lyo12]. Regularizing [Chi12, LN08]. regulatory [MLK06]. Reissner [KK03, LAM13]. related [BHHS10, DMGVP09, KS91, SM13, SW09b, dACR10]. relating [BW03]. Relationship [Kid90b]. relations [BHHS10, DMGVP09, KS91, SM13, SW09b, dACR10]. Relationship [Chi12, LN08].
Relativistic [DRC85]. relax [SC11]. relaxation [AKGR14, AEF14, BN99, BJ93, Cve02, Fan01, GGP08, Jac93, JZK06, JW01, JT02, Kor95, L903, Li01b, Mar05, OG08, Poh93, RTV00, RTV02, RZ15, SS08b, VP91, Ye04, ZK00, in 95].
relaxations [BDP96, SC11]. relaxed [Gu01, Li02]. relaxing [MRS03, Tan01].
resolved [WK02]. Resolvent [Str98a, AK95, Spi97]. resolvents [EH08]. resonate [CDJT06]. resonances [Kim14]. resonators [Den07]. respect [CMP15, Jac93, TM05, Zen93]. response [BR94, CCS02, GRGJ02]. responses [CFC03]. Restarted [Mor05, HC01, Jia02, KBG04]. restarting [Du11]. restoration [BS10, SC08, WYP12]. Restoring [LL06]. restricted [SK01]. restrictions [FS05, Ste08]. result [Vul95]. resultant [Win04]. resulting [Tol04]. Results [Bie87, AV96, BM89, BT98, BJ01, BJ06, BC89b, CKPS15, Fdl97b, FNT06, GH91, GGO12, GPHAM12, GPP04, HOEC86, JL94, LS07b, LFS15, Ma03, MRF00, QLL+08, San89, Tou97, Van00]. retarded [DD97, FS15, ZP98]. Reuse [WSC09, CZ97]. reverse [AGM95]. Reversible [Lei99, HLR01, Lei02]. Review [Gat91, Tur93, ABEFV09, Cas06, CV88, GM94, Pia08, Tsy98]. revolution [LX08]. Reynolds [FHM+02, Kwe01, PBC08, PGM86]. rezone [HL89]. Riccati [AB10b, CF13b]. Richards [AP09]. Richardson [LX09, NS03]. Riemann [CH15, CG14, LK07, RZ15, SL15]. Riesz [CDW13]. right [AED12, EJS04, SY05]. right-hand [AED12, EJS04]. rigorous [CY05]. ring [WB90]. rings [DG96]. Ripa [TK15]. Ritz [BGO13, LH02]. river [AVMVMO9, HS98, IHS13]. RK [AF96, CX08, SG96]. RK-methods [AF96]. RKDG [ZQLK11]. RKN [Con01, CM07, FG09, Lab09]. RKN-type [CM07]. Robin [Uty08, BCL15]. Robin-type [Uty08]. Robinson [Pan15]. robotic [BdFPSdSC08]. Robust [FH04, PFHL09, BGO13, BO04, BW97, Ev94, GOP06, HOS11, KOS+12, LTOC3, SZ09]. robustness [EH08, Fu02, WZ02]. rock [RMCG04]. rods [Cop03, LA12]. root [AC10, CKL03, Car94, Waa88, Win01, Lnt98a]. root-finding [Car94]. rooted [Kom07]. Rootfinding [Boy07]. roots [Alt85, Boy06, Bre06, CP94, Iga85]. Rosenau [CCK08]. Rosenbrock [CO09, HHR12, Nov08, PWS05, Wen98]. Rosenbrock-type [CO09, HHR12, PWS05]. Ross [WMC09]. rotary [RVD00]. rotated [WCXL09]. rotating [TC03, ZB07]. rotation [Zan91]. Rothe [LW93]. rough [By01, CWM09]. round [FV85]. round-off [FV85]. rounding [CH89, RB12]. row [BS91, SEG02, GR93, GHV01, SW98, SBG09, WSP97, Wen05, ZK09]. ROW-code [WSP97]. ROW-methods [SW98, ZK09]. ROW-scheme [SBG09]. ROWMAP [WSP97]. rows [KS91]. Rüdiger [GR02]. rule [CP03b, Ioa89, RS08a, Str98b, van86a]. rules [Agu15, BT97c, BDMGVO05, CMP15, CEW00, CBHY11, Der92, ELR+15, FLMR14, GVS96, KC03, Lai09, Maj14, Pel15, RAP96, SST12, VV05]. run [LWD+09]. run-time [LWD+09]. Runge [But97, Gar10, WBCK02, AH11, AM95a, Alb96, AMP03, AMCM08, AR597, AFTK92, BDPG96, BT97a, BDP99, BJ05, BZ93, BV96, Bel97, Ben96, BC08a, BG02a, BCR01, BS92, Bos09, Bot97, BJ11, BO11, Bru93, BJ03, BB99, BB98, But96, BS96b, BW96b, BC97b, BT97d, BC06b, BSW93, BS02, CMR94, CH95b, CIZ96, CDFN01, CG05, CCG13, CV95, Cas96, CCH06, CCM02, CG13, CS03, Coo89, CSM07, CSM09, CST97, CN11, CPR93, DIJ12, De88, DVV93, DS05, DRO9a, DRO9b, Dia95, DM11b, Duj90, Eir95, EH97, FS05, FS08, Fra04a, GCHR06, GMM04, GJ00, GPMR95, GPMPR03, GPHAM12, GML00, HZ96, Hig96, Hig97, HR96, HO05, HXW15, Hor98, Horet05, HEJ06, ICR12, Jac93, JVZ96, JVZ97, JKN94, Jay95, Kau93, Kau95, KCL00, KC03]. Runge [KMG09, KS08, KW98, Kom07, KSS9, KS09c, KKR15, KNO96, LB98, LX08, LP97, LO96, LO98].
LS05, MK99, Mur98, Ore93, Ost93, OT02, Pan07, Pat98, Pat00, PJB04, PAJ12, ST89, Sch02, Som86, Som93, Spi96, Tsi01, VDVV98, VV02, Van00, V939, Ver96a, Ver06, Ver96b, WGKS12, WYL11, WSW96, WX06, YC13, Zen93, ZL01, ZC99, in 92, in 96, vSC92, vS93, vSC93, v969, van96, vSDvH95, v9B5].

running [CRU15]. Rutishauser [AC10]. RWPM [HK93]. Ryaben [Tsy96]. Ryaben'kii [Ano00h, EST15].

S [MZ87, Tsy96]. Sabin [BFGP08, LMS09, MB10, SST09, SST15, Spe12]. Saddle [DJ10, AL05, BM12a, Cao03, Cao07, Cao09, Cui04, Elm02, GO08, Sim04].

saddle-point [Sim04]. saddles [SSL93]. Saint [FCX06]. Saint-Venant [FCX06].

sampled [RS09]. sampling [KK02]. sandwiches [NB94]. SAOR [Yua93]. Satisfaction [PT09]. satisfying [Str98b].

saturated [MCM12]. saving [LCJQ12]. scalable [DHS05]. scalar [AKG14, Bac14, BP85, CP97, Die15, KKR15, Ric91, Tan01, TDC13, TZA13].

scalars [MA04]. Scale [BHJJ06, WVB98, AB10b, Bai02, BT02, BJ11, Dat99a, DW15, Ewi91, FBT97, Gen10, GT02, Hab08, KM11, LP05, Lei02, LS13, LCJQ12, Per99, PS03, Pul05, RM09, SM98, Tco01, van95].

Scale-invariant [BHJJ06]. Scaled [GP93]. Scales [RMM12, Boy91a, JEG10]. Scaling [BLP01, BMM03, BSZ99, SW99b, Wei09, dRT99]. scattered [BE99, DR93, LN08, PS02, PS03, ZHL98].

scattering [BBT15, CWM09, CM14, DH12a, GAW09, HD04, HM86, HMP14, IT07, KL12, LGH11, MP05, Map05, Ngu15, QC12, QL15, Rat13, Tah96, VT91, WN12].

scheme [AA05, AKG14, ACMR06, AB05, AR15, AP09, BF92a, Bar09, BK09, BtTBV87, BMMZ06, BP97, BRBM08, BBKS07, BC97a, BC06, CG13, C1FN14, C1FS13, C1NT07, CRU15, C1CL04, CMCGTR02, Dav98, DHM09, DuF90, DJJ+15, FVGS13, FP02, FE93, GLW14, GS94, Guo00, H1092, HS86, Hol01, HLMKZ06, HV89, JN07, JTO2, KS00, KD13, KW12, LPR00b, LS99b, LS943, LP01, MD01, Mic03, Mtd04, PKSB10, PGDB08, PD01, Pow94, RZ00, RT14, RK91, Ro05, Ros93, Sac93, SBG09, SR97, zSW06, Tan93, Ton04, TY00, VV995, VCC12, Wan07a, WS04, WG11, ZW09, Zha01, Zla85a, ZR15, ZN987]. schemes [AC98, Ac12, AD08, AGM95, AN087a, AM04, ACM91, BDMG12, BBRBS09, BCE04, BC05, BM12b, BSvdV99, BO11, BL06, BL08, CLT97, CCG13, CGA93, CW98, CC04a, Chi12, Chi93, Con04, CM04, DD97, DT10, DKK94, DS15, EN09, Est95, FCX06, FG98, FL10b, GX11, GHMK09, GPMR95, Gor15, HO10, HOEC96, HW15, itHW07, itHV09, itHW09, itHM13, JLS6, JLB7, JTB15, JL94, KGR09, KMR08, KCL00, KC03, KL07, Kra92, KR12, KLSW06, LCGV01, L10Y, MS03, MM14, NRR06, Pan07, QW04, Ram94, RV05b, RTU15, Rus95, ST14a, Sam94, Sch93, SUP+12, SM93, S984b, SZE+92, S1002, SDK15, SHG86, SLZ10, SG06, Tah96, Tan01, TGB08, TZA13, Tol03, Tol00, TH09, Tut01, TJ12, Tur86, VV02, Ven15, Vul92, WB03, YH07, ZLG15, Zla85b, vSW90].

Scholes [AAM03, Bis11, itHV09]. Schr¨oder [CP94]. Schr¨odinger [ZCSH11a, AT15, AMS14, BS09, CCG13, CJ13, DUj09, Ehr08, FL03, GT15, GX11, GLYW14, HLMKZ06, KLSW10, MP11, MG97, Moe08, Sim91, ZCSH11b, ZR15]. Schr¨odinger-type [Ehr08].

Schur [Cao09, Cao10, CG89, GM87, KMS10, RN04]. Schur-complements [GM87]. Schwarz [AK95, DDFF07, DLN04, DSS15, H1090, H910b, KKP07, KFOF02, LH96, MS02, MA06, MA09, Mar05, MOSW00, MB97, NMB10, QLL+08, Wan05, WCX10, ZTO6].

Scientific [BJS12, CFTW08, LST07, MH89].

Scott [BL08]. scrambled [Sch08b]. SDEs [DR09a]. SDFEM [FLR08, ST08, ZMC13].
SDIRK [CPP02]. SE [QM10]. Search [DIJ12, Bur93b, Fer14, HP15, Sch99, SXP09, ZH15, ZP12]. seawater [MNR14]. secant [CSP07, Nov08]. Second [AKG14, Beg00, BMPR15, yGqW9505, AH11, ABH14, AH15, Abu04, AB88, AT13, BHR05, BRBM08, BKBS07, BMM97a, CGA96, CCJ99, DR09b, Deh05, Den93, DC09, EHM01, EH91, EH07b, FW08, Fer93, FG09, GPR06, GGR97, Guo00, yGpY09, HK012, itHW09, JN07, JCN94, Kan89, KK91, Kin94, KLSW06, KW10, LHH94, LX09, LNZ12, LE94, LL02, Luc05, Man97, MVV99a, Mie89, Moo04, Mur98, Nap16, RJ00, RT14, SMJ12, Sac93, SV00, Ske99a, SvdHN86, Ton04, VV02, VV09, WH13, WW13, WVV12, Wu09, XLO9a].

second-degree [Kin94]. second-mode [EH91]. Second-order [BMPR15, Abu04, AB88, AT13, BKBS07, CGA96, CCJ99, Deh05, Den93, EHM01, FW08, Fer93, FG09, GGR97, HK012, itHW09, JN07, JCN94, KLSW06, LHH94, LE94, MVV99a, Sac93, Ske99a, SvdHN86, VV09, WW13].


segregated [vdHVW01]. Seismic [SR88b]. seisograms [Abr93]. Selected [F97, ND85, vdHSW98, KW12]. selection [BMPR05, BT97b, Fd97a, HL97, Sd06]. self [GLS09, Gul15, RK08, Rob10, SL08]. self-adjoint [RK08, Rob10]. self-diffusion [GLS09]. self-mapping [SL08]. selfadjoint [HM01]. semantic [TS08]. Semi [Bou02, Fat10, FPA06, KMR09, Mar99b, Min04, Beg00, BB15, BC08a, BN03, BL06, BH97, CTG13, CXF14, Cao01, CL09, DI115, FGGS13, G09, LWT07, Lay08, LF15, LRT99, Pan07, PP00, RT14, SH09, TZA13, WL10, WC11, ZR15, de 96, CF13a].


Semi-Godunov [KMR09]. Semi-implicit [FMU15, GPHA06, Min04, Bou02, BN03, CL09, DI115, Lay08, Pan07, SH09, TZA13, WC11]. semi-infinite [LRT99, ZR15].


semiconductors [JT02, JT06b, Sac93]. semiconvergence [SW03]. Semidefinite [Ren99, BS99, SZ99, VB99, dRT99, ZNK02]. semidiscretisations [Sei02].

semidiscretizations [ALMM96, ALMM98]. semilinear [APJ10, BOg12, CL10, HKO12, LS98, Sch95b, SD09, Tia15, Vu95].

Semilocal [AH12]. seminormal [RSK14]. semiorthogonal [MB08]. semiperiodic [VVD95]. semismooth [FP03]. semistrip [DT15].

Sensitivity [BB10, LPZ00, SMEN04, Toc01, BBPR05, BAP06, CHZ06, FTB97, GFB99, JHL13, LH013, MP96]. sensor [RSD+06]. sensorineural [BF09]. separable [AM12, GBDB97, SB14, SY07].

separating [Eng11]. Separation [KL87, PM03, EW08, Gus87, OK98]. Separation-of-variables [PM03].

September [Wen10a, vdHSW98]. Sequence [Bak86, Ber85, BZ94b, BZ96, Bore2b, Dra91, Fd97a, Gil91, GM94, Hau98, Lem02]. sequences [BL86, BKP15, D08, DJM09, GGM07, JIz04, JTO9, Lav94, Mar99b, Sch08b, SSX14, Wen10a, Ziu95]. sequential [BMGG12, BT97c].

Series [RB12, AR93, BP02, Bert10, BW15, Boy06, Bore2b, CFV10, CM06, CL88, DK11, Gil91, HW93, JKN94, LG87, Lon86, Lon88, Mat91, MrD05, Moo95c, Mur99a, Mur99b, PCA10,
Pré95, Sch98, Wen10a, Wen10b, WB90, Woź10, YR09, ZJ10. set [CP07, DLP06, FM07, FMU15, GT02, GKL07, HMW05, KM11, MCS06, Sch09, TL07, ZWL11]. set/moving [CP07, DLP06, FM07, FMU15, GT02, GKL07, HMW05, KM11, MCS06, Sch09, TL07, ZWL11]. set

Shading [CP10, Eng11, HP97, SL08, Zup03]. setting [AD04, GC15]. settling [BCS06]. Seventh [CFTW08]. Several

Several [KC94, CKM10, Dar90, Kid90a, Kid90b, MDD14, Ros93, Str98a, Xu13]. SGI [Zar99]. Shading [CP06, GV04]. shadowing [HJ05]. Shadows [SSL93]. shallow [AQS94, BDMG12, Beh97, CFXZ06, FCX06, HL03, IM00, Lie01, QLL +08, STS00, SCT05, SW12, Tou10, VCC12, de 92b, vdHS01]. shallow-water [Beh97, QLL +08, SW12]. Shape [CP06, DF92, GM08, GMZ08, PGM86, Rat13, ZWL11, GM10, KP01, Meh08, PM05, Rya00, WM08, GV04]. Shape-from-Shading [CP06]. shaped [BDSG09, DH12a]. shaping [EH05, LT07]. shared [JP93]. shared-memory [JP93]. Sharpening [FP02]. Sharpness [FNT06]. shear [KC94, LBCN00]. shear-layer [KC94]. sheet [CDV00]. shells [FSB97]. Shepard [Zup04]. shielding [RU07]. shifted [BB10, EVO06, HvdHV10, SSX14, vdES04]. shifted-Laplace [EVO06, HvdHV10]. Shishkin [FR01, Len00, LS99b, NS03]. Shock [KXR+04, Sal93, CSCM96, Gro94, KD13, KCJP01, KOW05, Quit96, Sod91, XLK07]. shock-capturing [KD13]. shock-induced [KCJP01]. shocks [Kop89]. shooting [ELLE02, GM93, GGM95, HK93]. short [Mun00, WW99]. shortening [FG01]. Shortley [LHWF08]. shrinkage [Jia12]. Sibsonian [BS00a]. side [AED12, DL13]. sided [GH02, MT06]. sides [EJS04]. sign [DCC14]. sign-changing [DCC14]. Signal [ABJ12, SM13, Sod06]. signals [Pul05]. Signorini [BRS05, KPR06]. Silicon [CB99]. SIMD [Ney95, SD93]. SIMD-type [Ney95]. similarities [Gab02]. simple [Ban97, DSZ15b, DSZ15a, Lam13, LS12, LS93, LF15, Van92, Win01]. simplex [DhW09]. simplicial [PC00]. simplification [DEPS15]. simplified [FN95, LH02, Zha01]. simulated [Dah02, GOGF03]. simulating [FPRA09, Pul05, SWFK13]. Simulation [CF86, CL02b, DRC85, MH89, MD00, QW04, Ta’86, Tse00, WM08, AQS94, Ari04, Arn95, AS06, BGM +09, Boh03, BBL02, CCK03, DS07a, Den07, EWW99, FKA +13, FMSV07, FJH +01, GG95, Gro94, KL07, KTS03, LCVG01, LA12, LT00, MH04, NRWF08, OK98, QM03, RI02, RR00, RVD00, Sch91, SUP +12, Son91, ST05, Spa90, SH91, TER03, TYKK01a, VV95, Wag85, XLK07, ZdB03, Zha96]. Simulations [WWBM88, AF04, CS01, CKS05, De 02, Kar89, KC94, LS07b, MRR14, N¨ur09, SYG +05, SM89, Tia15, TSFB01, WK00, Zan91, ZQLK11, dB03]. Simulator [Nak05]. Simultaneous [ASZ15, KN08, CP94, PSA04]. sinc [AT13, Boy91b, MLB97, Rif92]. sinc-Gaussian [AT13]. sine [Boy07, Har00]. single [AM99, BC12, BN12, GGN12, LL98]. single-phase [LL98]. singly [BC97b, BC00b, FS08]. singly-diagonally-implicit [FS08]. singly-imPLICIT [BC97b, BC00b]. singular [Aff94, AL95, AF04, AAD14, AM10b, Att97, BWY03, BPTT15, Bru07, BKW06, CHLX07, CJ90, Chl12, ELR +15, FMH +02, Fat10, GM09, HM87, HM09, Jad94, KV07, KX91, Kat89, KKW00, KBG04, LD97, LO03, LNZ12, Maj14, Man96, PFT02, PT11, PT15, Rab04, SY05, Sid90, Sid14, SW03, Sto96, TMD92, Tan93, TS08, Vui92, Vui95, Win01, Yos00, ZGL02]. singularities [BH97, LH02, LHWF08]. Singularity [RLSS06, CKK10, Has09, HY01, KLSW10, YT03]. Singularly [Rei85, AL98, AS14, BM00, BM01, BN04, BBR97, Bog00, GOP06, Kau95, Kaut97.
KS04, Li00a, Li01a, LT01, LW95, MOSW00, Mus11, OS08, OQ15, Pap95, RK08, RTU15, ZCZ15, ZLG15, ZX14]. sintering [Zha96].
SISO [De 06]. Sivashinsky [AS04, Mar93]. Six [MS03, Bri85]. six-dimensional [Bri85]. sixth [AHR12, BM06a, CHSS01, CST97]. sixth-order [BM06a, CHSS01, CST97]. size [ALM04, AFS02, DS07b, Den07, GPPR12, HOS99, HL01, Hor05, PAJ12, RAS99, Wai98, WK02]. size-binning [DS07b]. size-resolved [WK02]. size-structured [ALM04]. sizes [Sha85b]. skeleton [PC00]. skew [Kru99, KCB02, Zan91]. skew-symmetric [Kru99, KCB02, Zan91]. Slaterr [CPD+05]. slightly [BB10, de 95a]. slip [LA11]. slots [CDJT06]. slow [KOW05]. slowly [Wo´z10]. Small [PGM86, AKGR14, BBLT15, Pav00]. smallest [KBG04]. Smith [ADM10]. smooth [BB10, de 95a]. Smoothing [GSR00, CRS05, Haa97, KM95, Phi87, Wai98, Zha97, vSW90]. Sobolev [CMR12, Che12b, DMR10, Ren13]. soft [KJL12]. Software [Enr06, FN95, NT92, SG96, BDF89, HK93, MLK06, MP96]. soil [MCM12]. solenoidal [MM97]. solid [GMM90, MP95]. solidification [CMP06]. solids [MR96]. solitary [AD01a, CGP15, DLM02, EZ03]. solute [DFC09, FLL11]. Solution [AO91, BBDO8, Bre06, Che96, Fre04, GM85, Jac87, KM95, KS91, MK14, Mwash97, Njaa8, PGM86, Rum87, SH09, SM95, AM98, AGJ12, AB09b, ADM10, Arr99, AS90, AAD14, BHJ05, BF92a, BOEP00, Bea04, BB15, BN06, BF92b, BG08, BKP14, BDF95, Bor02, BHR05, BMP05, BJ13, BTDV10, BV10, BVRB14, BMM97b, BM97a, BSP04, BP95, CLT97, CG92, Cas96, CW98, CH01, CH04, CF08, dCCSR03, CNS00, Con89, CST97, Coy12, CG14, DB97, Der92, Dia95, DS97a, DL13, DB08, DDBH14, ECB07, FL93, FL05, FJ97, FL09, FL15, FH08, FV01, FV99, GLM09, GN86, Guo96, HP11, HZBM05, Har90, HS86, Hig93b, Hin95, HvDV10, HW97, HJ06, Hor99, HK09, HST14, Isk98, JL91, JRV06, Jac96, Jez99, JCRS03, JNP99, JMY10]. solution [Kel85, KG90, KW95, KKW00, Kop86, Kur98, Le 12, Lev91a, LHWF08, LLT07, LO03, LW92a, LT93, LP00, LD02, MS03, Mar99a, MVVA09b, Mat05, MR01, Mie89, MD10, MD90, NK11, NS12, NT92, OMP98, Obe15, PR98, PM91, Per99, Pet00, PP92, Pow94, Pus86, Rab94, RMM12, Ric08, Ril92, RBT15, SW95a, ST04, SS08a, SA90, SKAW12, SR88a, Smi91, SK91, SMA01, Sub04, SWR11, Tho85, TK05, Tsy98, Usn97, Van92, VBD93, WB92a, Won08, Wu99, XLO9a, ZML+12, ZAB15, Zou10, dH95, dDF94, dPT96, dhV13, dhHV01, vSW90, vSK97, vvdV97]. Solutions [FF06, FFMZ13, Nap16, Ael11, AAM03, Arc06, BSGU94, BP06a, BM05, BM01, BSDV09, Bok03, BDKM92, Boz11, BPTT15, Cah92, CHPV09, CZ708, CL15, Chi93, Cho13, CRR93, DS89, EK96, ESEKZ10, Emr06, FW08, FHM+02, FJS99, Fuh01, FL01b, GANT02, GJR03, HJ05, Hor02, Hu99, HT00, JR00, JR02, KX91, KJL12, KO92, KS04, KK86, KP15, Lan95, LSL11, LS07a, LRE04, Lwu92, MA03, MDRR11, Mat86, Olv92, Pat98, PM14, RY13, Ril92, RTT01, SC11, SvhH86, ST800, Ten15, USHT03, VO00b, Wan01, Wan07c, Wan09, Wu93, WMC09, XF06, YK04a, Yos00, ZPT92, ZLG15, dVA02]. solvability [Sch98]. solve [AMCM08, AM10b, DG10, Hua98, Sch95a, SG09, SL08, Zha96]. solved [BDN+97, De 93, FHK05]. solvents [Per03]. solver [BRSD91, Beh97, BT02, BV94, BJM01, Cai09, GBDB97, HY02, IT07, LCJQ12, LYOI99, Pau92, PM03, RG05, RZ15, SH02, TS06, VG04, Wal00b]. solvers [CH15, Eij95, Fac03, FPS15, HKZ08, KPR06,
KCB02, LWD^+09, MP05, MR92, Nak05, SST04, SA00, Sim98, WP99, YG95. **Solving** [AS13, BNH01, Ben02, BW96a, CSS87, DS07b, DS03, EW08, HY01, IM98, Koz94, LW92b, ST01, Sha05, SY07, YL13, Yu99, Yu08, AA05, AK09, AT93, AC08, AMV03, AP09, BLW07, BMGG12, BGGG13, BM04b, Bog12, BS93, BM09, BC89b, Bur93b, Ca09b, CL07, CHH15, CMCGR02, Cul95, DT15, DS15, EAS12, EH01, EG88, ELLE02, EMMK01, EVO04, EH09, Fd96, Fer96, FG09, FV87, FFQ09, HY91, HR96, IVA93, Kan89, KS07, KFOF02, KPR12b, KS09b, Lee94, LT01, LP97, LL02, Mar08, MP98, Meo08, MOU14, MN08, PM05, PR90, PV93, Plu91, PFC00, PT95, Pon00, PB10, PG02, QM10, RZ00, Rha99, RS08b, RT95, Sa199, Sc09, SEGV02, SD11, SD13b, SS13a, TOD11, Tsa91, Tsy96, WZL13, XC85, YR92, YXB95, ZNK02, ZZW97].

**Solving** [ZSJ04, Zla85a, Ise02].

Some [BN99, BSFDM02, BV96, BG14, BC89c, Car09b, CH90, Cve02, Fdi97b, Goo90, Gu01, HOEC86, JN02, LLY11, Mac86, MM14, NY13, Nov08, SLZ10, TM05, Vu92, WSS97, AB09b, AGKK94, AFG+12, Ban97, Br01, Bre85, BDRZ04, BT93b, Cai15, CH87, DS07c, EHM01, GH91, GM95, HJS97, HS98, Hor93, JP08a, JJ15, JM05, JT09, JV90, Kau93, KPR06, Kza92, MRF00, Mar03, PPS05, PSW02, PT95, Rha99, Sid14, WB90, Won08, Woz10, BW96b]. **Some** [DN05, DO98]. **Sor** [Bir87, KJL12, LT05, NU15]. **Sound-soft** [KJL12]. **Source** [ASZ15, BM12b, BFH09, Ch13, HP14, HM15, HILK13, HM+14, LWD^+09, LDP+14, WZW13, WW14]. **Sources** [FOMC05, KV07, RRT01, SK10, YK04b]. **Space** [BC01, DGRS09, SvdVvD06, VBUdZdB08, AM10a, BS00a, Bou02, BR97, BD11, CS94, CDW13, Dah02, ELCW98, EK97, EL94, FM95, Fra04b, Gar03, Gea93, HST14, HL89, Jez99, KZ13, LL98, LS10, Man97, MT06, MD96, SS99, SHA12, SW07, SW12, Str98a, SWCH15, USHT03, WZW13, WSS97, Yu99, vdVS08, ASZ15]. **Space-dependent** [WZW13]. **Space-dimensional** [ELCWS98]. **Space-dimensions** [BD11]. **Space-filling** [LS10]. **Space-fractional** [MT06]. **Space-like** [Man97]. **Space-time** [CS94, CDW13, FM95, HST14, KZ13, ASZ15]. **Space/time** [VBUdZdB08]. **Spacecraft** [CRTU15]. **Spaces** [Abr93, ACMCM09, Che12b, CP03b, DE16, GP00, GGG16, JL94, LL16, PARG93]. **Space/time** [ALP+96]. **Spacewise** [HP14, HM15]. **Space-wise-dependent** [HM15]. **Sparse** [BG02b, CS09, Che12b, JMPY10, Zha00, AB07, Ara99, BT99, HY91, Jia00, LP05, LKV01, LGH11, Mag91, Mar08, PV93, SW95a, ST09b, WZ02, YR92]. **Sparse-grid** [LKV01]. **Sparse-sparse** [ST09b]. **Sparsity** [Huc99]. **Spatial** [FPPS00, SUP+12, BCJ97, Boy91a, DEPS15, HZBM05, HJ03, JEG10, JM94, LE94]. **Spatially** [EV96, LSGK15, WKM04]. **Spatio** [Won08]. **Spatio-temporally** [Won08]. **SPD** [ST09b]. **SPDE** [KZ13]. **SPDEs** [ZWK15]. **Special** [BGHR12, BGGH+15, CHM09, CD95, FFMZ13, KP07, SSV97, BCRS07, CJS98, GR02, LPZ00, LST07, RT95, SG05, Tsy96, WB90, YC13]. **Species** [CCK03]. **Specifications** [Del05]. **Speckled** [TSL90]. **Spectra** [DS96, LCWG01]. **Spectral** [AMC02, AQ00, BN12, Bia00, Bou16, Fun94, GD09, Gia12, yGyZ07, Hes00, HKP98, JZK06, Kar89, SJ11, SM89, Tru00, YLS+09, AAD+08, BK06, BM89, BMS89, BSQ96, BBD08, BP95, CG92, CG98, CXL14, CNT07, CSMC96, DM09b, DB08, EK95, FPPS00, GANT02, GT00, GGM07, GH07, HGP11, KHA12, KWLK00, Kop86, Kop89, Kwa09, Lay09, LT01, LR00, LBCN00, MS86, MD00, MM02b, MM07, Min04, Mun00, MKS12, Pas91, PM91, PAV00, PDO1, PK91,
spectral-element [CSXL14]. spectral-Galerkin [DB08, Kwa09]. spectral/hp [KWLK00]. spectral/hp [SA00]. Spectral/Rosenbrock [AMC02]. spectrum [GCP91, KQ13a, KQ13b, LMS08, TCCW89, XC85]. speed [FdSB02, MS91, SM13, TSFB01].

Spherical [Har00, Bar12, GH07, LMS09, Pet00, STS00]. spheroidal [BDG09, FRRJT10]. spheroidal-shaped [BDG09]. spin [Bec02]. spin-Heisenberg [Bec02].

split-Hamiltonian [CS01]. Splitting [CHZ14, RKVZ15, WL09a, BG11b, CS01, Hor98, IHS13, MP11]. Split-step [CHZ14, RKVZ15, WL09a, BG11b, CS01, Hor98, IHS13, MP11].

split-Hamiltonian [CS01]. split-operator [HS13]. sponge [Pet00]. Spurious [Mul99, VT91, Wai98, CM06]. SQP [BdFPSdSC08, HP15, SXP09]. square [Abu04, AD01b, BB94, BM04b, BS12, CKL03, Li11, Li16, MDD14, SD13a, TZA13, Waa88, WM07, WC11, Zup03, dB03, dVA02]. square-based [BM04b]. square-root [Waa88]. Squares [CF86, AN15, Ben02, CP07, CZ04, CCLT10, yDqGnJT09, HP85, Han87, KS02, KLY05, KS09a, KR10, LV12, MOS12, MS08a, Mon09, Mon03, PS02, PS03, Ren13, SLJ86, SWCH15, YK04a, Yua93, ZSJ04]. squaring [CH04, SW09b]. squaring-down [CH04].

SSOR [BD85]. ST [SY03]. Stability [Arn93, BF92a, BT97a, Bor02, BSvdV99, BT93b, BJ01, BJ06, CGGGS11, CP05a, FL01b, GM85, GM95, Go00, Gu15, Guo01, HMT03a, HMT03b, ihHW07, itHV09, ihHM13, Jac93, KKR15, LT12, LL15, LSL11, Mac86, MB08, MS90, OZ96, Ost02, OTK04, PGA93, SSV89, Sch93, St00, Ske89b, SHG86, SN04, Zio99, vdHW01, AH11, Abu04, AMCM09, ABF09, BG11a, BC89a, BP12a, BGT97, Ber15, BM12b, BN03, BS08, BS12, Bur85, But09, CCG13, Cha96, CZ12, Dv98, DDZK05, DR09a, DS06, FS08, FG09, FH97, GD09, Gje07, Gu01, GGG16, HM00, HS95, Hin95, Hor93, ihHW09, Hua09, HV99, Hua02, Ike07, JJ94, KMG09, KS89, KW93, LZ13, LZL14, LT93, LS05, LRE04, MS91, MG97, MZ04, MM07, NMSF94, NBNTGV11].

stabilization [NB01, NFAE03, Pot97, QR03, Sam94, Sch12, Sch98, Sid10, SW13, Sou09, Sp09, Spi97, Tan01, TZA13, Van00, Vu95, WL08, WC11, ZZL01, ZP97, ZP98, dPT96, in 92, in 96].

Stabilization [ABFV09, De 88, AMR14, Arr98, CK13, KL09, RG05, Tia15, Tob14, XF06].

Stabilized [AMT13, AKL08, BL08, LW95, SA12a, AS13, ABR05, BC01, BH12b, Cod08, GM10, HL08, HFL12, Pic05, QMLC15, Sch93, SGS00]. stabilizing [Hu02]. Stable [CGAK93, DDH97, SGS00, SGN06, WK00, Ben96, Bok03, Cao07, CXZ15, DJ12, DSK12, DLM02, DK14, ELLE02, FL04, GHK16, GAW09, GPA06, GPHAM12,
HH10a, IRC12, KLSW06, LK14, Lin10, MW93, ST89, Ske89a, Sv95, SCvdH92, SS09, TOD11, VDVV98, VZ93, ZZW97. 
Stage [HR06, BJ11, But93, CPP02, Chi93, GPMR95, NBNTGV11, Tor06, Ver96a, Ver06, Wen98, WBCK02]. stage-order [Ver06]. stages [Kie95]. Staggered [GLV06, Pou00, ASCM02, CS08, JTB15]. stagnation [Meu14]. standard [Bra00, FM11, KDAK13, MDRR11, MZS10, Vul95]. stars [IN89]. started [TOCW02]. starter [vB95]. Starting [Lab98, Lab99, Sha87, GPMPR03, NH15, Ver06]. state [BSZ15, Cah92, CM02, CML05, Chi93, CY05, CST97, Dah02, EK97, FNT06, HHT97, HK09, KK86, LRE04, NT92, RY13, VVR08]. state-dependent [Cah92, CST97, HHT97, NT92, RY13]. states [Bec02, SAG86]. static [AM10b, Cop03, DT89, GLV06, RR14, TV91]. static-regridding [TV91]. Stationary [AAM03, Kin94, AR15, CC04a, DN08, EH06, HL08, HFL12, LY10, SH10, TMM15]. Statistical [GP´P93, Ber85]. Steady [CM02, RV05a, BHJ13, Chi93, CY05, DS97a, GM10, HS86, HT00, Jes85, KK86, LRE04, SAG86]. steel [IPL02, PLI03]. Stefan [LL98, Ros93]. Stein [BJ11]. Steiner [PSP04b]. Steklov [AP08, YLL09]. stenoses [LT00]. stenotic [TYKK01a, TYKK01b]. Step [De 88, Jac87, AM99, AG95, AMS02, APJ10, BJ05, Bho12, Bok03, Bu06, BJ01, BJ03, BJ06, BT97d, BC00a, CLMSS98, CMRD11, CHZ14, CP05a, CHK99, CJLS98, Con01, CX08, CDP12, DJ12, DP12, EK97, GH91, GLPW09, GPRR12, Hai97, HOS99, HS09a, Hoo15, HLR01, Hor05, HP15, IHS13, Kie95, Leo10a, MP11, PSW02, PWS05, PWS06, PJB04, PAJ12, RKVZ15, SMEN04, SM93, SWJ09, Sha85b, Söd06, SS09, TYJ11, Ver06, Wai98, WL09a, WSP04, XZZL15, ZX09, ZP12, Zuu95, van93, vdSvdH95, AD04]. step-by-step [van93]. step-parallel [vdSvdH95]. step-size [AFS02, HLR01, PAJ12]. Stephan [CHM09]. stepping [Aca12, BBRBS09, BSVV99, HLT07, HJ03, KR15, LHC09, LFS15, SUP+12, VUS13]. steps [LLT07, Yu99]. Stepsize [FS05, BG02a, BC98, BC00a, Con01, GC15, JVZ95, LMG02, MP94, SH97, Spi13, WK12, Zla85]. step-sizes [CGA96]. Stewart [SMC08]. Stieltjes [DMGV05, Gil10, Not92]. Stiff [Kie15, AH15, Ale03, Aro96, BJ02, BF92b, Bos09, BDM03, BC89b, BC95, BS00b, BR05, BP06b, CL85, Cas96, FG09, GPMPR03, GPHAM02, HCX03, HS09b, Jac02, Jae96, MP94, PWS02, RKVZ15, Sal89, SSV99, Sch93, SM93, SWE05, Sim98, TB01, VS95, WL09a, WAV12, WSP07, ZH99, in 95]. stiffly [HHR12]. stiffness [Sha85a]. stimulate [Var92]. Stirling [SG04]. Stochastic [Bis11, FV85, MA04, A04, AA05, Abu04, Bok03, Bu06, BS12, BB96, BB98, CHZ14, CF13b, CN11, DR09b, DK11, Fan11, Har10, HXW15, KGR08, KK11, KS08, Kom07, KKR15, Lat94, LSK12, MDD14, MH04, Moe98, Pot97, PM14, RKVZ15, TB01, TZA13, WL09a, WG10, WC11, WCW14, WGW15, ZAB15]. Stochastically [Bok03]. Stokes [Kni95, DZ12a, AH09, BC12, BM13, BB15, BG11b, BC01, BS97b, BP90, BP95, CKPS15, Cau08, CMP03, Che96, CH07, CSXL14, CHH15, CKK10, CD13, DJ10, DS97a, DN08, Dob05, DJ04, EJS11, FRRJT10, FMP04, GMZ08, GM10, GGG16, Gu00, GH07, Guo15, HLZ14, HHC08, HL08, HW15, HK85, HFL12, Jho11, Kal96, KS00, KCL00, KS02, Kn19, KN93, Kwe00, Kwe01, Kwe03, LLL08, LA11, LS12, LR00, LO96, Med96, Not97, OK98, Pas91, PK91, Pic05, Pot00, QR03, QML15, RV04, RV05a, RK91, SGS00, SH10, She96, SA00, Shy86, ST86, TLV92, Ton04, UNGD08,
VG04, VO00a, WY02, Wu09, YS09, Zha14.

Stokes'/Darcy [DZ12a]. Stokes/

Forchheimer [CD13]. Stopping

[FLMR14, Spi95]. storage [KCL00, KS08].

Störmer [CGA96, vdHMdS99]. straight

[TT03]. strain [CHX13, HHR12]. Strang

[KW10, Zan01, ZR15]. Strang-type

[Str87, BM04c, BO11, GC15, WSC09].

Strategies [Bie87, BT97b, BD11, Bürr13,

CZ90, DF11, DEPS15, DB97, FS15,

GGLR09, HR97, HMW05, MCE+09, MP94,

PK91, Sch09, SK91, VO00b].

Strengthened

[NB01, NFAE03]. STRIDE [But92].

Sub

[Ahn07, LR03, RL06]. strip

[DDZK05, jW15, ZR15]. strips [DP85].

Subdivision [Boy06, CC04a, Con04, CM04, LY10].

Subdivisions [Wal00a, Wal00b].

Subdomain [FV99]. subdomains [de 95a].

Subject

[Ang06, Deh05, MVVA09a, MVVA09b].

Submatrices [DL01]. submatrix [YD07].

Subscales [Cod08]. subsequences [Lin10].

Subsidence [SR88a]. subsonic [Kor95].

Subspace [AB10b, Bai02, BBLT15, EAV16,

Gul15, Jia00, KKS10, Pet92, PR12, RSY12,

Sim10, SSX14, SS12, Wal95, Wei95, ZGL98].

Subspaces [GSR00]. substructuring

[GN86, MDT05, O'L87]. successive

[Che16, DW00, KP03b]. Successively

[SM85]. sudden [HH10b]. Sufficient

[Lin01, CH90, LLL12, Meu14]. Suitable

[Has09, PGS10]. Sum [Boy91b, HJP10].

Sum-accelerated [Boy91b]. Summation

[Boy91b, ZJ10, BW15, CL88, LG87, Lon86,

Lon88, Str98b, Wo70]. sums [VC10]. sup

[Che16]. supercloseness [FPR12].

Supercomputers [Fuj99].

Superconducting [GT15].

Superconsistent [Fun04, FFY08].

Superconvergence [Bra00, CZ04, FLR08,

Fra14, LHWF08, Ris05, Tem15, WY02,

AC15, BSGU94, L01a, LY01, LH02, ZY14].

Superconvergent [SST15, LR01, MCS06].

Supercritical [Gar87, Gla93].

Superlinearly [CDW13]. superoptimal
superposition [FMGN94].
supersaturated [SA08].
supersonic [CRTU15, EH91, Nor99].
SUPG [Usm97].
SUPG-FEM [Usm97].
support [SSW04, CM02].
supported [Ehr08].
Supraconvergence [Fer96, FPR12, Fer93, FG98].
Supraconvergent [Bar09].
surface [Ari03, CWM09, DEPS15, Dav98, DL13, DMQ02, FPRAO9, Fat10, Gar05, Hin97, LY10, LR87, LY099, LWCT07, LG02, RZ15, XLK07, YC00, HP91].
surfaces [BFGP08, CS04, FGPR12, FR14, GT15, HGR01, LY01, PR09, Ren14, TMM15].
surgery [MDHK06].

Surprising [Asc12].
Survey [Sid10, AAI+93, Bre96, But85, BC89c, FSU89, HJ05, Kau97, Mun00, Tho85].
suspensions [BBCS05, BCS06].
SVD [BS09, Lyo12, MMBB07].
SVD-based [Lyo12].
SVDs [PS02].
switching [BAD13, Ry13, Vu92].
Sylvest er [BLW07, FG13, Hey10, RS08b].
Symmetric [CBHY11, CCS02].
symbols [CLS04].
Symmetrized [BH93, HL02b].
Symmetry [Ol92, VL08, INR01, MDRR11, Mat08, Zan01].
Symmetry-preserving [VL08, MDRR11].
Symplectic [Hos99, Ske99, ZcsH11a, ZcsH11b, BF99, BCF+13, CH95b, CL01a, CM00, DM11b, Eir95, Hai97, HL99, HLMKZ06, Mur99a, Rei99, SS94a, SZ97, WE99].
Symposium [CTFW08].
Synthetic [Abr93].
System [TMS87, Aff94, AA87, BS14a, BS00a, BO04, BSV09, CKK10, CH04, DN08, Eij95, EK97, Fac03, FCX06, GLS09, GBDB97, HP85, HX11, Ise94, KN08, KLY05, KK09a, KCB02, Kwe03, Lee10, Liu09, LMWZ07, MLK06, MT11, Mic03, MdD04, Oji88, PS09, zSW06, TZ00, TK15, VMS07, Wan01, Wan09, Wn03, YT03, ZdBT03, MZ87].
Systems [GM85, ND85, Pet87, AC98, Aca12, AW14, Ale03, AB07, ADM10, Ara99, Arr95, Arr98, AES13, AGKK94, AEF+14, BM11a, Bai02, BY09, BT97a, BL05, BK06, BMM03, BBRBS09, BGG13, BM06a, BR94, BTDV10, BH03, BS93, BRBMO8, BBKSO7, BS12, BDM03, BWE95, BDP96, BB98, CFCH09, CH95a, CL01a, Cao98b, Cao01, CG92, CM97, CHPV09, CZY08, CFC03, Con89, DT15, DB97, Dav92, De 06, DB95, DV95b, DL13, DKK94, EJS04, FTB97, FH08, FM95, Fra06, Fuh01, GFB99, GP93, GQ99, Gas92, GKM09, GGM07, Gol00, GPAO6, GPHAM12, Guo96, HL99, HV91, Hen00, Hig93b, Hua00, Jae93, Jac02, Jac96, Jay95, JCN94, KL98, Kau95, KG90, Kim14, KW95, Kop86, KFOF02, KPR12b, KW10, LW93, LT12, LZ13, LW92b, LP00, LL02, Luc05].
systems [MMP09, MP96, Man97, Mar08, MF99, MP98, Mår02, MGV14, MP94, Moc95b, MD96, Mur98, Mur99b, NMKE13, NT92, NRZ12, OG08, OKS10, Ost93, Pan07, PA05, PNSW2, PT95, Pul12, RZ00, Ram96, RKVZ15, Rum87, SMJ12, Sal89, SH09, SMEN04, SS99, Sch95a, Sch02, Sch87, SEVGO2, Sid90, Sim93, Sim98, Sim10, SS13a, SW03, SSX14, Tar98, TDC13, Tro93, Tsa91, Tsa92, TMM15, VG04, wYgO0, WL09b, WL09a, WWX13, WSP04, WP99, WSW96, Wen98, WB92a, Wi92, Won08, WWSO7, YG95, YR92, ZZL01, ZNK02, Zha01, dH95, dG91, in 96, vdES04, vB95, Mur99a].

Szeg o [BGVHN10, DGV00].

T [AR93].
T-fraction [AR93].

Table [BH96].
Tadmor [ASC03].
Tadmor-type [ASC03].
Taking [SK10].
tangent [LMS08].
tank [Buc04].
tapered [FT06].
target [Lo06].
tau [DSW96, KO92].
tau- [DSW96].
taxis [GV02]. Taylor [CM06, Dar00, DK11, Hig93b, MD00, RB12, Sch98, SH91, TB01, TZA13]. Tchebycheff [HJP10]. Tchebychev [DM97]. tearing [Pec09]. technique [AT13, AF04, BP90, BT93a, CM04, DT89, EH08, FHM+02, Fdi97a, Gen10, HJP10, LKV01, LR00, MS86, RMK09, RT95, San03, SR09, SLZ10, TCCW89, Tsy96, Wan07b, XC85, ZY14]. techniques [Bai02, BLW02, BRVC09, BWEP95, CH87, DD97, Deh05, DF96, DS02, EW08, Ewi91, FH08, Gar03, GM93, GSR00, GN86, HST14, IM98, KG90, KS10, MRF00, MM14, MVVA09a, Mun00, Now96, PSP04a, RDH+12, SS13a, WSP97, YH07, Zha00, de 96]. technology [Zar99]. Tempe [FJ97]. temperature [BN03]. temperatures [CF14]. templates [Jor11]. Temporal [GAW09, LLT07]. temporally [Won08]. tension [NMSF94, RZ15]. tensor [BS05, DHM09]. tensor-driven [DHM09]. tensor-product [BS05]. tensorial [ABJ12]. tensors [BKR13]. term [BFH09, BDDV12, CH95a, Cao98b, CdCV03, DW15, DDBV10, ESEKZ10, Mar09, RG05]. term-by-term [RG05]. term-structures [Mar09]. terms [BJ02, BSQ96, BM12b, CY98, itHW07, itHW09, itHM13, Zen93]. ternary [KK09a]. terrain [TC03]. test [GM87, JP08a]. Testing [CGCMTR02, JP08a, GGO12, PSW02]. tetrahedra [PPS05]. Tetrahedral [BS97a, AW03, ASC03, BS96a, MCE*09, Zha09]. tetranichidae [CL02a]. th [AL09, AB15, BP02, EST15, SA90]. th-order [SA90]. their [AGM95, CHH15, CM06, EH07a, GSW09, HLL09, KCS07, Lem02, MP97, PWS06, RZ04, Sae14, SSW04, Uty08, WSP04, WWLS08, Xu13]. theorem [Cao98a, Sza94, Wd03]. theorems [Boy15, Dor01, JT09]. Theoretical [BFdS10, BT98, BC89b, GGMP88, San89, Wei95, KPR06]. theories [Alb96]. Theory [CHM09, Gar87, Sam94, XB14, AK00, AVMVM09, BWY03, BF99, CV88, Gan96, HJ06, K096, KK02, Li05, MDT05, MR94, Ost02, PdV99, San89, SG06, Sus10, TM15, BNH01, Mr05]. Thermal [DDS89, GD09, HLJS16, HK09]. Thermally [RBC02]. thermo-electromagneto-hydrodynamic [BGM*09]. thermochronological [RMCG04]. thermodynamically [GHK16]. thermoelastic [Cop03, CF05]. thermophysical [CMC12]. thermoviscoelasticity [CF14, CA15]. theta [BF92b, HS09b, WG10]. theta-method [HS09b]. thick [CL02b]. Thiele [CJV88]. thin [BH12a, BCMV03, CDJT06, DDZK05, yQGJ10, KHA12, Par14, SSW04]. Think [Ise02]. Third [HMdV03, Sal03, Bos09, Fer09, Lev91a, LPR00b, RTU15, YC13, BGHR12]. third-order [Lev91a, YC13]. Thomas [Bra00]. Three [AW03, LM00, MIZ87, MMP02a, Nak05, Per88, SR88b, TMS87, ASCM02, BC12, Bak98, BS94b, Cao98b, CH91, DW15, Gar03, GGLR09, GPMR95, HFL12, ZK13, LMWZ07, MD96, Sch91, SR99, SZE+92, SvdHK94, SK96, Ste97, SK01, vSK97]. three-coarsening [GGLR09]. Three-Dimensional [Per88, SR88b, TMS87, AW03, LM00, ASCM02, Ba89, BS94b, CH91, LMWZ07, Sch91, SZE+92, SvdHK94, SK96, vSK97]. Three-level [Nak05]. three-point [Ste97]. three-stage [GPMR95]. three-term [Cao98b, DW15]. threshold [Hor05]. Tikhonov [Neu88, RSY12]. Time [BY00, BP12b, CM14, FG96, INR01, MZ87, S0d06, SvdHK94, ST86, WK02, Zuu95, ALMM98, Aca12, AMCM08, AB09a, AB09b, ASZ15, AF89, ARS97, AEF+14, BHJ05, BP14, BM13, BBRBS09, BDF89, BC01, BtTB87, BP97, BV09, BsvdV99, Bot97, BK12, BR97, B01, BJ03, BJ06, CGP15,
CS94, CP05b, CDW13, dCCSR03, DD97, Dav98, DD2K05, Dia95, DHL00, DGRS09, DY03, EHS88, EL94, FM95, FJ09, Fra04b, FL01b, GHK16, GX93, GLPW09, Gje07, GPR12, Hab08, Hai97, Har98, HILK13, HLT07, HL01R, HR96, HJ03, HST14, HLS16, Jae93, J´ez99, JCSR03, KBS11, KNT13, KZ13, Kre07, KR15, LHC09, LKV01, Lay99, Lei02, Leo10a, LWD+09, LT07, Log04, LFS15, LO95, LO96, MG97, MS08b, MGV14, MN08, Nor97, PBJ04, PAJ12, PM14, Pul05.
time [RMCG04, RZ00, RV09, Rya00, RTT01, SMJ12, SSV97, Sar05, SA12a, SUP+12, SW07, uVLS13, SS08b, Su94, SvDvV06, TER03, gTpm07, TGB08, Toc01, USHT03, WZW13, WW14, WdG92, YS09, Yu99, Zan01, tV87, vBvdZd08, vdV08, NBNtgv11].
Time-averaging [BP12b].
time-delay [SMJ12].
Time-Dependent [FG96, AF89, ARS97, BHJ05, BP14, BDF89, BtTBV87, CP05b, dCCSR03, Dia95, DY03, GLPW09, HILK13, HLS16, LKV01, Lay99, MG97, Nor97, PAJ12, RZ00, Rya00, SvDvV06, TER03, WdG92, YS09, Yu99, tV87, vBvdZd08, vdV08].
time-differencing [AEF+14].
time-discretization [NBNtgv11].
time-discretizations [BVV09].
time-domain [DHL00].
time-fractional [WZW13, WW14].
time-harmonic [FJ09, Har98, RV09].
time-implicit [FL01b].
time-integration [WK02].
time-irregular [PM14].
time-marching [DD97].
time-periodic [MN08].
time-point [Jac93].
time-reversible [HLR01].
time-scale [Lei02].
time-step [Söd06, Zu95].
time-step-size [GPR12].
time-stepping [Aca12, HLT07, KR15, SUP+12].
time-symmetry [Zan01].
time-varying [MGV14].
Timestepping [HW15].
Timoshenko [CF13c].
Tocher [Bar12].
Toeplitz [Sae14, WWLS08].
Toeplitz-type [WWLS08].
tomography

[AES13, GOGF03, RSD+06, San03].
toolbox [EMMK01].
tools [Ber85, MLK06].
topics [Wen10a].
topography

[Ant13, DH12b].
Topological

[AH09, Tan87].
topology [ZWL11].
tori

[DB95, ERS00, HL99, Tru00].
Toronto

[CFTW08, HEJ96].
Total

[DH12b, Ano87a, FS05, GM87, JL86, JL87, LV12, LPR00a].
total-variation-boundedness [FS05].
totally [GP93].
TR [HS96].
TR-BDF2

[HS96].
Transcending [Att97].
Tracking

[CFXZ06, Dav92, Gro94, MSS+15, PH15, RLSS06, SW86, WB92b].
trade [For11].
Traffic

[MZ87].
transaction [AD99].
transcendental [Boy07].
transcendents

[AY15].
transcription [ECB07].
transfer

[Jéz99, Kan04, MCM12, Osw97, jW15].
transform

[LFP04, M001, Tah96, TZ00, v787, ST14b].
transformation

[BW15, BHHS10, BW03, LT01, SS10, Win04].
Transformations

[Bak86, Ben98, Ber85, Bz94b, Bz96, Bre02b, Dra91, Fdi97a, Len02, Mat91, Sim94b, WM07, XGM08].
Transforming

[ZPT92].
transforms

[BH96, FV87, Moo95c, VA05].
transient

[DFZ12a, Fai00, GRGJ02, HHC08, HH10b, SWW11, WSC09].
transistor [Mo95].
transition

[BL91, Her91, RR00, RZ15].
transitions

[MR06].
transmission

[DS07c, GMS12, XH11, HL97, LRS09].
Transonic

[CF86, Gar92].
Transparent

[AL87, Fat12, AM10a, BDMG12, BR94, BB12, BDC10, BDC12, BB12, BM12, BDC10].
transport

[ABJ12, AR15, BDES12, BM04a, CNT07, DFC09, FdSB02, FLL11, KCC04, LC02, Pdv99, PS00, SK97, SvHDK04, SK96, SW05, TDC13, Tou10, VBG96, YH07, vSK97].
transport-chemistry [VBH96].
transputer [DVV93].
transverse

[HMDV03].
trapezoidal

[BT97c, CP03b, R08a].
traveling [EV96].
Treatment

[AL87, Fat12, AM10a, BDMG12, BR94, BB12, BDC10, BDC12, BB12, BM12, BDC10].
dLB93, EH06, Fat10, Now96, PT09, PGC01, SB03, SKBAS08, Tou10, WZ02, vdHSW98.
treatments [CGA93]. tree [Kom07, Pow94].
tree-based [Pow94]. Treffetz [Li08].
trends [Bak89]. Tree [Kom07, Pow94].
Tree [Kom07, Pow94]. Trefftz [HMP14]. tri
[Kom07, Pow94]. Tri [SXP09]. triangle [SXP09].
Triangle [BDFK95, CGG02, CD05, Ren14]. triangle-mesh [Ren14]. triangles [PSP04b].
Triangular [SXP09]. triangular [SXP09]. triangularly [vdHS01]. triangulation [LS93].
triangulations [Bar12, BFGP08, Dal13, DR93]. tridiagonal [GS08, Jac93, LVfP14, Mat05, Nak12, dG91].
trigonometric [Han06, Pat98]. Trigonometrically [YW08, FW08].
Trigonometrically-fitted [YW08]. triple [CMR94]. triplets [KBG04]. trivial [CM02].
Trondheim [KNO96]. Truncated [Sch89, CM06, PS02, TD09]. truncation [Bor10].
trusses [AMH03]. Trust [MMP09, AMV03, BMM03, CSM07, Ov11, Ren14, SP99, ZH15].
Trust-region [MMP09, BMM03]. trust-region-approach [AMV03]. tsunami [KHm+14].
Tsunami [Fka+13]. Tsynkov [Tsy96]. Tubelike [MMP02b].
DII15, LT00, TYKK01a, TYKK01b. tumour [BLLT13]. tumbling [RTV02].
tupleware [Dou91]. Turán [MSP10]. Turán-type [MSP10]. turbine [ARSW05].
turbocharged [SM08]. Turbulence [BC93, LCGV01, DS97a, SLJ86, VV95].
turbulent [Kar89]. Turek [GKM09]. Two [AL95, CL10, CDP12, DP12, DCC14, Eva94, GS15b, GVP93, HFL12, Lam13, Lan95, Leo10a, LA11, LS93, MIZ87, SM85, T2D11, TS08, WZ13, AS11, AAM03, AM12, ASCM02, BHI06, Bar09, BJ05, BO04, BBRS09, BVRC09, BC05, BBLT15, BO11, B01, BT97d, CMRD11, Cas96, CW98, CMP03, CDW13, Chi93, CL09, CF08, dCCSR03, Con01, CX08, Cop03, CF14, CMCGTR02, CN15, DSS07, DJ12, DR09a, DS07a, DE06, Deh01, DMGVO05, DMGVO09, Din93, DN08, ER07, EFLFP09, FdSB02, GX11, GHK16, GM09, GLP09, Gill10, GOG03, G0P06, GH02, HK93, HM09, HS09a, Hoa15, HK85, HL02b, Jad94, JTB15, Joh10, JT06a, JGK11, KV07, Kat89, KL09, KS01, KZ13, LCHR03, LT12, LY08, LS07b, Man97, Mar05, Med96, MT06, MT05, Moo95c, NY13, OG92b].
two [OGV92a, PR90, PSW02, PWS05, PWS06, QM10, QR03, RZ15, SWJ09, SZE+92, SY08, S09, SS09, SU14, TK11, TO14, TV91, TM05, Ver06, Wan07a, Wan11, WZL13, WSP04, XCS5, XL09a, Xin08, Yua93, ZT15, ZO09, ZZW97, Z0X9, ZCSH11a, ZCSH11b, dHV13, van98].
two- [ASC102]. two-and [SZE+92]. two-block [Yua93].
Two-dimensional [DCC14, Lan95, AS11, AMR12, BBRBS09, BBLT15, CDW13, dCCSR03, CMCGTR02, DE06, Deh01, Din93, DN08, FdSB02, GX11, GMM09, HK85, JTB15, JT06a, JGK11, KV07, LCHR03, LS07b, LS07b, Med96, Moc95c, NY13, PR90, QM10, Su94, TJ12, TV91, WLZ13, XCS5, ZCSH11a, ZCSH11b, dHV13].
two-fluid [CL09].
two-grid [CL10, ZT15].
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