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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

\begin{itemize}
\item \((0, +\infty)\) [DO17a]. \((m, \ell)\) [Fuj02]. \((q, h)\) [GS15b]. \((r + 1)^{st} \) [ZZW97]. \(0 < \theta < 1\) [TM05]. \(1\) [EP15, HWCF15, KM19, KD13, KKR15, LW07, Now96, S00, Vej10, ZL18a]. \(1 + 1\) [MPSS16]. \(1/t\) [AM16b]. \(1s\) [CPD+05]. \(2\) [AG05a, AEMX17, Ant13, AC96, BF15, BDRZ19, Can08, CCM02, CCM17, DMPSC16, Fou00, Gon06, HGP11, HHR12, LPR00b, LLHC17, Mur99b, RZ00, Sch02, TCCW89, VA05, WBCK02, YZ17, ZS18]. \(2d\) [SL17]. \(3\) [Ant13, ASC03, BV94, BM18, BS08, CPZ17, FMS18, HW15, HZ12, Jay95, Ka96, KNP16, KLAW06, Mai06, MKH16, NBNTGV11, NRR06, Ost93, PSP05, PPC00, Ran15, Sha98, Ste97, TYKK01b, WSY18, WSC09, YH00, Zha09]. \(4\) [EHM01, Ran15]. \(6(5)\) [CV95]. \(7\) [AB15]. \(7(6)\) [CV95]. \(8\) [PPS05]. \(9(8)\) [Tsi01]. \(90\) [EST15]. \(H^{-1}, L^2, L^2\) [KLY05]. \(\infty\) [Hua98]. \(m\) [BE99]. \(1\) [Kan04]. \(2\) [JJ15]. \(3\) [JJ15]. \(q\) [Bec02]. \(A\) [GPHAM12, SCvdH92, ZZW97, BC89a, Cha96, ST89]. \(Ax = b\) [Cul95]. \(B\) [HCX03, AFK92, FSU89]. \(\beta\) [MDD18, AFS00, Sus10]. \(C^0\) [LHC09]. \(C^1\) [DS17, Ber86, RL86]. \(C^1\) [Ver93]. \(C_1\) [Arc06]. \(H_2\) [FG13]. \cos(z) [VC10]. \cos\pi/2x^2 [Coh90]. \(d\) [BDV17, DM97, LL02, MdR05, PSS04b]. \(\delta\) [XZL07]. \(\ell^2\) [WSY18]. \(\ell_1\) [CXZ14]. \(\epsilon\) [Tan87, FR01, GGS04]. \(\eta\) [BSGU94]. \exp(z) [IN89]. \(F_n(z) = f_n \circ \cdots \circ f_1(z)\) [Gil91]. \(G\) [Lev91a, BHHIS10, SS10, BC89a]. \(G^2\) [FPT03]. \(\gamma\) [JN07]. \(GL(E)\) [Ben98]. \(H\) [MS08b, AOW94, Mus11, S00, TM05].
\end{itemize}
Usm97, VO00a, Wan96, $H^1$ [KS02]. $H^0$
[TM05]. $H_1$ [ZJH18]. $H_2$ [ZJH18]. $hp$
tsqWg16, AS97, AK00, BTP06, Bür12,
DF96, FM95, GHH09, Mus11, SGS00. ILU
[PRGO16]. $k$
[DS97a, GH91, Jac88, Lem88]. $K_2(P_2)$
[SHA12]. $L$ [FRV11, dACR10]. $L_1$ [GKA17].
$L^\infty$ [LZ14]. $L^\infty(L^2)$ [Dek17]. $L^o$ [Dou14]. $l_1$
[YP18b]. $L_2$ [MB08]. $L_\infty$ [LZW19]. $L_q$
[DKK94]. $LU$ [Dol91, Ph91]. $M$ [GP17]. $R^2$
[Kim14]. $N$ [Gil10, HOS99, Lei99, Lei02,
LZW19, PRST02, DhW09, Lev91b, Li16,
SA90, SWCH15]. $P$
[CKL03, SS09, VDVV98, AL09, AOW94,
AM16a, BP02, BS96b, CS09, FVGS13,
Gwi09, JJ94, KJ99, KX03, Mai06, ML91,
MS00, PPS10, SS00, VO00a, Yos00, dG91].
p – 3 [Ver06]. $P^2_0$ [JJHY19]. $P_1$
[HHYL19, VB07], $P_2(\kappa)$ [YHZ19b]. $\phi$
[Sus10]. $q$ [TJK18]. $Q_1$ [WCX09]. $Q_{1,\theta}/Q_0$
[CH07]. $Q_\kappa$ [ST08]. $qd$ [AC10, DS10]. $QZ$
[DSW96]. $r$ [Zeg97, ZZW97]. $R^3$ [HOS11].
$R^d$ [LLL02]. $s$ [DE18]. $S/P$ [Not92]. $s = 1$
[Beg00]. $S_3$ [YH07]. $\sin(z)$ [VC10]. $\sin\pi/2x^2$
[Coh90]. $3\sqrt{3}$ [JP17]. $T$ [JP19, CMM88]. $\Theta$
[Fdh9b, CHZ14, DFLM19, WGW15, GAN09,
BGRT97, Bha11]. $V$ [CK08, NN10]. $\varepsilon$ [DS97a].
$W$ [Nov08, Sch95b, SW95b]. $y=f(x,y)$
[CP05a].

-adaptive [BTP96, Usm97]. -algorithm
[AC10, GGS04, Tan87]. -anisotropic
[GH09]. -averaging [FVGS13]. -based
[MS08b]. -Bernstein [GS15b]. -blocking
[AF00]. -body
[HOS99, Lei99, Lei02, PRST02].
-conforming [PZMX16]. -continued
[Lev91a]. -convergence [AFK92, HClX03].
-coupled [LZ14]. -covariance [FSU89].
-cube [BDV17]. -cubic [FPT03]. -cycle
[CK98, NN10]. -cycles [KF97]. -Cyclic
[PPS10, dG91]. -d [CCM17, Kahl6, Now96,
YH00, AG05a, Ant13, KNP16, Sh98,
TCCW89, TYKK01b, VA05]. -decreasing
[DKK94]. -dimensional
[BM18, DhW09, Li16, SWCH15]. -energy
[DE18]. -extension [TM05]. -FEM
[MS00, Yos00]. -finite
[AS97, Bür12, SGS00]. -fraction [CMM88].
-fractions [Lev91b]. -function [Sus10].
-Laplacian [FVGS13]. -mapping [XZL07].
-Maruyama [WGW15]. -matrices [Wan96].
-matrix [HB02]. -method
[CHZ14, DFLM19]. -methods
[BTG97, Gar90, SW95b, Nov08, Scho95b].
-model [JN06]. -neuron [Bha11]. -norm
[CMZ14, Dol14]. -order [ZZW97].
-orthogonal [DM97, MDH05, TJK18,
CKL03, FRV11, dACR10]. -penalty
[Zho18]. -periodic [Jac88, Lem88]. -phase
[TCCW89]. -point [EHM01, ZZW97, Gil10].
-quadratic [LL02]. -quasilinear [Ben98].
-refinement [DF96, FM95, JP17, Zeg97].
-spectral [tsqWg16]. -stability
[BC89a, Cha96]. -stable [ST89, GPHAM12,
SCvdH92, SS09, VDVV98, ZZW97]. -stage
[NBNTGV11]. -step [GH01].
-supercorvergence [BSG94]. -Sylvester
[JP19]. -tetrahedra [PPS05]. -th
[AL09, AB15, EST15]. -transformation
[BHH10]. -triangles [PS04b]. -type
[Fdh9b]. -uniform [FR01]. -version
[AK00, AM16a, CS09, GW09, JH94, KJ99,
Mai06, ML91]. -versions [Mus11].

/Smad [MDD18].

0012 [De 02].

1 [BRS+18]. 1-D [WKM04]. 125 [YP18a].
12th [MH89]. 16 [KN95]. 18 [Tsy96]. 19th
[An02g].

2 [BRSBD91, BS94a, ILH13, WVB08].
2009 [Wen10a]. 20th [HSX18]. 2D
[Chu03, LTC03, BP95]. 2nd [FJ97, KP07].

3 [BttBV87]. 3-5 [An07a]. 335-345
Ano87a. 3d [EH05, CML05, de 92b]. 5 [VV95].
60th [CHM09]. 61 [ZCSH11a].
8th [vdHSW98].
95j [Kni95]. 96g [Tsy96].
=1 [Bra00].

Abramowitz [Mac92]. abrupt [Sal93].
abscissae [Joh05].
absolute [MYSC17, NSCC19]. Absorbing [BG11a, EZ98, TY98, AG98, BDSG09, BP97, HD04].
abstract [RT14]. accelerated [Bog12, Boy91b, HPY92]. Accelerating [PKSB10, ZB19, ITZ17].
Acceleration [BL86, DE16, HL02b, SC08, VVR08, Ben98, BRZ10, Fdi97b, FL01a, GM94, Hau88, Ise94, Kru99, Kza92, Kza99, Lav94, LS99a, Lem88, Lev91b, Lev91a, LSGK15, Sid10, Zha97].
accelerator [PC10]. accelerators [Cuy90]. acceptance [HP15]. Accuracy [BVG09, FG09, Hun02, LWD99, Tur86, Bal00, BH12a, BPTT15, DT10, DS15, EN09, GMGF02, GT18, KLO7, NW09, Rum87, SG00, SGN08, Tsa91, Tsa92].
Accurate [CH95a, En96, FL04, JBLC11, JCSR03, KK17, vdeS04, AES15, BP14, BF15, Bos99, CGA93, CL85, CS08, CRU15, Fac03, HHR12, HOEC86, Kop89, KLSW06, LA09, LBCN00, MCS16, Mat05, Nic86, RZ00, RA03, Sac93, SS10, TDP17, ZWJ18]. accurately [SB18]. achievements [AB90b]. achieving [RB12]. acidic [BMP05].
Acoustic [AL87, HD88, CAAT16, GGN12, HD04, HMS86, HMMP14, KJL12, KL07, LH11, Lee94, OL18, RX08]. acoustics [AD15, Har98, HX11, LY16]. across [Gea93, GX93, Jéz99]. act [Ise02]. Active [CG13, NU15, HO16, HMW05, LT05, RU07, Sch09]. Adams [ZJH18, AM95b, AGM95, IM98, JI91, Sha87]. Adams-type [AM95b]. Adaptation [BMGM12, Bao97, BS97a, But92, CLGD06, FMP04, JM94, Ram94]. adaptations [in 96]. Adapted [AEG12, Fra04a, FM11, GHW01, Lin01, LE94, Mat09, TZ00, Van00]. adapting [Kos02]. adaptation [BS94].
Adaptive [AFS11, BCS17, BGS06, BBRS09, BH97, CP97, DGD03, DM10, DD+15, FL09, GHKM09, GS98, IM00, KCW16, KMS10, KS90c, Lan97, LOS03, LGH11, MS05, MT05, Mol95, NRWF08, SP04a, Pet87, Sar05, SFJ+05, ZWK15, AS97, ABR05, AF89, AS06, Aug89, AFLG+12, AFLP12, AFF+15, ÁMS17, BLS94, BH05, BS14b, BKP09, BKR13, Beh97, BS00a, BC08a, BCU00, BF92b, BTP96, BLY16, BFA93, BDF94, BV94, Bor97, BH05, BD11, Bür13, CHR03, Car09a, CR05, CXX09, CL01b, Chr96, CU95, De 06, DF96, DOL14, DMR18, DGRS09, DHT0, Ein18, FD97, FV05, FMG94, FM95, FL0+97, GMZ11, GV18, GGO12, GGO16, GDS+15, GM17, HKZ08, HW97, HWC15, HSY18, JD09, JKG11, Kal96, KDT17, KS09b, LW93, Lan95, Le99, LD10, LLS+96, Log04, DLM16, Man96].
adaptively [MRF00, MZS10, MMT90, MR94, Mit97, MCE+09, Moo95b, NK11, NMKE13, NRR06, NBP94, Now96, OZ96, PD96, Pic05, Pow94, Qiu96, Ran15, SR09, SWW17, Shy86, Shy91a, Shy91b, SG00, Tho85, TLV92, Tse00, US97, VOO0a, VOOb, Wal00b, WKM04, WPL16, WSS97, WZ17, XZZL15, YH18, ZH15, dDF+94]. adaptivity [Du11].
Adaptivity [Söd06, Bac17a, BCJ97, BLP01, GHH09, Roz05, DGN12]. Addition [MA04, Shy86, Shy91b]. Additive [GGR97, KG03, KFO02, Bac18, CL18, DLN04, FL01a, GCHR06, HR06, KC19, KZ13, LT19, Mai09, MI04, NN13, Pan07,
Applications
[AB12a, BJS12, BW06, CHM09, DGCW17, DGRS09, FF06, FFMZ13, GD09, Gro94, KP07, LP00, MA09, VB99, AES13, ABCC18, ABRW18, BV96, By01, BR01, BKP14, BV94, BDRZ04, Buc04, Ca098a, CDRT19, Che12b, Coh90, DK11, DMP08, DKK94, EH07a, FR14, FBM17, GM93, yGqWsWC05, GSW09, HS98, JM16, JM94, KNN03, KN19, Lai09, LGH11, LO96, DLM16, Ost02, OTK04, PCA10, ROB17, Riv09, RV05b, Rot06, Sae14, Wen05, WWLS08, vdHS01, LD02].

Applied
[Rei85, ZCSH11a, AMT13, AMH03, AC96, Bac14, BMG12, BTM08, B00, Cas06, DZ12a, DS05, Den15, Fer14, Go86, HHR12, HO10, HMO0, HMW05, IHS13, KDAK16, LKV01, Lei99, LZ17, MOS02, MI03, Mol95, SR09, SZE92, SW85, VA05, VSeYD02, Wan96, WM07, ZZ19, iW07, iW09, Ano87a].

Approach
[TMS87, AMT17, AD99, AMV03, ARSW05, BM9*17a, Bel93, BM03, BMGG12, BDDV12, BBO03, CGT13, CBBV08, Ca098b, Car94, CLR11, CGCMTR02, CXZ15, CD18, CC99, DPPR16, Don91, DS15, EB12, FJ17, SF85, For11, GQ99, GRG02, GKL07, GL17, Har98, HP18, HD88, HP14, IHS13, Jes93, KH94, KK11, KHA12, KL09, KR15, LBLT13, LMSW17, LN08, LP00, MP97, Mit97, MIMM19, Mon03, Nes16, NT16, RV09, RM17, SC11, SK97, SH09, SW55, SW11, VB96, WC14, WPL16, Zan01, ZPT92, ZW19].

Approaches
[CHR03, Min87, AAD08, Buc99, CKS05, Dat99b, DMH18, LWD09, SV95, WL01].

Approaching [DL13]. approximants
[Ari87, BW15, Cat10, CPD05, CV88, Dar90, DMGV05, Gil10, GVP93, IN89, KS91, Kid90a, Mat91, MdR05, OGV92b, OGV92a, Pre90, Pr95, Saz97, van86a, vI87].

Approximate
[AM09, BLS*17, Huc99, SDSC99, AD18a, BF92a, BT99, BSvdV99, BW17, BV10, BVRB14, BG02b, CG05, CKM10, CD18, DS97b, Dun18, ELvdHS98, Enr06, EGH01, FV99, GV02, HG08, JMPY10, KCJP01, Mag91, Not92, SY05, SHG86, TZ00, Tar98, WZ02, WMC09, Zha00, Zha14, ZPT92, GPAH16].

approximated [WC02]. Approximating
[AB12a, BJS12, BW06, CHM09, DGCW17, DGRS09, FF06, FFMZ13, GD09, Gro94, KP07, LP00, MA09, VB99, AES13, ABCC18, ABRW18, BV96, By01, BR01, BKP14, BV94, BDRZ04, Buc04, Ca098a, CDRT19, Che12b, Coh90, DK11, DMP08, DKK94, EH07a, FR14, FBM17, GM93, yGqWsWC05, GSW09, HS98, JM16, JM94, KNN03, KN19, Lai09, LGH11, LO96, DLM16, Ost02, OTK04, PCA10, ROB17, Riv09, RV05b, Rot06, Sae14, Wen05, WWLS08, vdHS01, LD02].

Approaches
[CHR03, Min87, AAD08, Buc99, CKS05, Dat99b, DMH18, LWD09, SV95, WL01].

Approaching [DL13]. approximants
[Ari87, BW15, Cat10, CPD05, CV88, Dar90, DMGV05, Gil10, GVP93, IN89, KS91, Kid90a, Mat91, MdR05, OGV92b, OGV92a, Pre90, Pr95, Saz97, van86a, vI87].
LX09, Lyn99, MS99a, MT06, MV17, MP15, NB01, Nov08, PGs10, QAE+09, RF16, Ren14, SA12b, SS19, Ske99, SN04, Tol04, VR01, WAV12, WWLS08, Xu13, YLL09, ZCZ15, ZL18b, ZXW17, Zup03. April [TLP18a]. aqueous [BMP05]. aquifer [MNR14]. aquifers [AMRR18]. Arbitrary [PGM86, Bal00, BS00a, CLS04, CG14, DM09a, FB17, GRGJ02, RVD00, Tol03]. arbitrary-order [Tol03]. arc [YZH19b]. arc-search [YZH19b]. architectures [BC99, JP93, WW93]. arcs [DSV13, HLL09]. area [AMV03, Sal93]. areas [CCM17]. argument [Bic16]. arguments [Hu99, LZ17, XZ19]. arise [DL01, ZNK02]. arising [Aff94, ABFV09, BK06, BVT14, BR94, CG92, Ckm15, Elmo2, Fbs09, Guo96, Hua98, Iga85, K09, KAS17, Le 12, LMA18, Pea16, Por17, Sch87]. arithmetic [AA04, HFL13, LSK12, MA04, PH91, Sch87, Sch89, Sko99]. ARK [BR05]. ARKN [FW07, Frao6, Li19, YW08]. ARMS [SST04]. Arnoldi [AB14, Hey10, Ju02, RS08b, SW95b]. Arnoldi-type [AB14]. arrows [AB12a]. ART [Sun03]. arteries [TDC13]. Artificial [MP85, EK06, LW04, Nor97, QL15, RGÖS18, Ryu00, SGN06, WL18, Ws04, X09b]. Asian [BNV06, ZO14]. aspect [ML91, NR97, Pic05]. Aspects [Gar87, BV94, Dal00, Fm90, GKT10, KPr06, LA12, Mdr05, Dsvdh95]. assembling [NRR06]. assembly [BMRT17a]. assessment [BDSG09, LS07b]. asset [CF08]. assigned [Cmp15]. assignment [OP04]. assimilation [RW87]. Associated [RdAP96, BCC16, CDG19, DB95, DR01, ELR+15, Gas92, Jou05, Mar94, MYSC17, NSCC19, Wu03, DACR10]. Association [MH89]. astronomical [CG03]. astronomy [BCF+13]. Asymptotic [AV91, BGT97, Bor10, CFCH09, Han93, Leo10b, LC99, LX09, LTT19, PT09, Wan01, ZP97, ZP98, By01, Bre88, BS12, DC09, Fel06, HH98, Has13, KM17, KS07, LUL14, Sch04, Wal90, Wan17a, Yi12]. Asymptotic-numerical [LTT19]. Asymptotically [AB10a, AW14, BSV09, ZWJ18]. asymptotics [CMRR12, Sua10]. Asynchronous [Per99, AAI+93, TDPU17]. Atmosphere [DRC85]. Atmospheric [Beh97, AB97, Bou02, BN03, BB003, KW98, SKA12, VS95, Vbh96]. atomic [Ccp04, Lei99, LW04, Pca10, X09b]. atoms [MT05]. attraction [CN16]. attractors [CGT19, QR03]. Augmented [CSM07, AL05, Bbg14, EAY16, SW85]. Author [Ano01a, Ano01b, Ano01c, Ano01d, Ano02a, Ano02b, Ano02c, Ano03a, Ano03b, Ano03c, Ano04a, Ano04b, Ano05a, Ano05b]. Automata [CFCH09]. automated [SW94]. Automatic [BSW93, Rh92, Bir13, Ds02, MCE+09, PRST02]. autonomous [CL01a, DMI11b, SB14]. avascular [Lb13]. average [Cmp06, Has08]. averages [AB12b, Djl04]. Averaging [DD97, Bp12b, Ccms11, Ch90, Dal13, EK95, Fvgs13]. Avoiding [CGT19, Hin95, Pjb04]. axially [Dh15, Ld16]. axis [Ax19, Ghkm09, Gs09, Imm04, Mi03]. axis-symmetric [Ax19]. Axisymmetric [Mac86, Ac08, Nke07, Se14]. axons [Lfl14]. AZTEC [SW86]. B [DK11, Gv18, Joh05, Li05, Mst09, Rk08, Syg+05]. B-series [DK11]. B-spline [Joh05, Mst09, Rk08]. B-splines [Gv18, Syg+05]. B-theory [L05]. back [Bf99]. Backward [Agp97, Ber86, Chk99, Fre98, Hm01, Hj17, Lw18b, Ro16, Sww16, Ske89a, Ske89b, Tod11, Wl09a, Zhe19]. backward-facing [Chk99]. bacteria [CST18]. bad [Fvb05, Mul99]. Baer
Bidiagonalization [KGB04], bidomain [BK09, PS09], BIE [ZS18]. Biennial [Ano02g]. Bifurcation [KF97, ZG92a, ZG92b, HH10b, Mar93, RSL89, YT03].

Bifurcations [RAS99, Eir99, RV05b]. Biharmonic [Chr01, KM19, LHH08, MB10, NMB10, ZBY19]. Bilinear [GGR97]. Bingham [Mur15, TT03]. Binning [DS07b]. Binomial [DL01]. Bio [SK96]. Bio-chemical [SK96]. Biochemical [BRBM08, BBKS07]. Biodegradation [BM05]. Biofilm [CL02b]. Biofilms [CCK03]. Biological [PGC01]. Biology [Dal00]. Bioluminescence [CdCV03]. Biometric [Sae14]. Biorthogonal [Bre02b, MB08]. Biorthogonality [BZ96]. Biot [BLY17, GLV03, GLV06]. Biotechnology [AMV03]. Biperiodic [Rat13]. Biphasic [QMO3]. Bipolar [Mo195]. Biquadratic [HLZ06]. Birkhoff [NBNTGV11, CN17, Mil17]. Birth [BMR17b, BLM17b]. Birthday [CHM09, EST15]. Bisection [PSP05, Riv09, RRMJ12]. Bistable [EV96]. Bits [WW93]. Bivariate [BES18, CBK19, JBL11, KPO3a, MST07, OGV92b]. Björck [MP98]. Black [AAM03, Bis11, iV09]. Blades [ARSW05]. Blended [BM02, CL85]. Blending [DSV13, LY01, MMP02a]. Bloch [DA18a, HLR18]. Block [Cao10, CV95, DB95, JM16, LZ17, LN92, MM02c, Sim04, ZC10, AB14, BN99, BLY17, BRB04, BT98, BM02, BM06b, BT00, Cao07, CL06, CZ12, DGD03, DS10, EJS04, FY94, Guo96, Guo91, GS08, LV/F14, LR18a, LR18b, Mag91, Mor05, Nak12, Nuo95, Not99, RS08b, RGL16, Sch89, SS13a, SCvdH92, TYJ11, WPS18, YK04a, YG99, Xia93, ZC91, Zha00, ZZW97, Zha01, ZZ19, de 95a, vC93, vdHS01]. Block-centered [LR18a, LR18b]. Block-Cholesky [LN92]. Block-diagonal [BLY17]. Block-GMRES [Mor05]. Block-iterative [ZC91]. Block-structured [DGDO3]. Block-triangularly [vdHS01]. Blocking [AFS00]. Blocks [BMR17b]. Blood [PCFR17]. Blow-up [ALMM96, ALMM98, ALMM01, BDKM92, Cho13, SG92]. Blow-up [ALMM96, ALMM98, ALMM01, BDKM92, Cho13, SG92]. Blur [MRS10], Blur [MRS10]. Board [Ano18g, Ano18h, Ano87b, Ano91, Ano93, Ano03e, Ano04d, Ano04e, Ano04f, Ano04g, Ano04h, Ano04i, Ano04j, Ano04k, Ano05d, Ano05e, Ano11a, 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, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano16k, Ano16l, Ano17k, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i, Ano17j, Ano18a, Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h, Ano18i, Ano18j, Ano18k, Ano19a, Ano19b, Ano19c, Ano19d, Ano19e]. Boards [BLW02]. Body [PGM86, Arv95, CFK07, HOS99, Le99, Le102, Mur98, PRST02, SK01]. Boltzmann [LL08, VVR08], Bona [ADM10]. Bonded [Kok08]. Bonds [AL03]. BoomerAMG [HY02]. Booster [PSB91]. Bose [ZB07]. Both [BB98, CL07, Kop89, ZZ18]. Bound [TD09, BMM03, Yam18, Yu08, dC18a]. Bound-constrained [BMM03]. Boundaries [Gus88, ADFR18, BHJ05, BDG09, LR03, MMKN17, Nor97, Nor99, Rya00]. Boundary [AQ94, AM95b, BG11a, CHM09, Hsi06, LT93, PT09, Pec09, SM85, TMS87, TLS09, AS11, AL09, AyLqW18, AMP03, AMCR17,
Capacitance [DP85, GOGF03, O’L87].
Capillary [VK17]. capturing [Aca12, KD13]. Caputo [CDW13, LIPT18, ZZ19]. Carathéodory [Sae14].
cardiac [BK09, CKP15, FPS15, NK11, YV17]. Carleman [Kli15]. Carlo [LHO13, MD06, DE18]. Cartesian
[ASCM02, ASC03, Bac17c, BP12a, FD16, FdSB02, Fre04, Kim14, TY00, WE99]. cascade [AB15]. Cascadic
[MRS10]. case [Beg00, BRW17, CMR12, CY05, GANT02, Jes93, MN03, Med96]. cases [PCA10].
catenary [AS00]. Cauchy [AK95, CJ18, Cumin’95, FFQ09, JP08a, Kli15, MM18, MP98, Mat91, Rab94].
Cauchy-type [Mat91]. Caustics [SR88b]. cavitating [XLK07]. cavities [dCvR03, QC12, dlb03]. cavity
[Du11, Guo00, JP08a, RBC02, WWLS08]. Cayley [LP00, MO01]. CBEM [JS09]. CE [QM10]. CE/SE [QM10]. cell
[Aya09, Bar09, Ber15, BW95, BG03, Car94, Dal00, EK95, FS88b, ID19, JP08b, Jee09, MSS+15, Ush18, ZL18a].
cell-averaging [EK95]. cell-centered [Bar09, BW95, BG03, FS88b]. cells [Ber15]. cellular [CKP15]. CEM [AG98, DK14].
centennial [FJ97]. center [CPD+05, ZB07]. Centered [Tal04, Bar09, BW95, BG03, EN09, FS88b, LR18a, LR18b].
central [ASCM02, ASC03, BL06, CXNF14, DL16, FCX06, JTB15, LPR00b, NRR06, Pap95, PGDB08, QW04, Tou10, TJ12, TK15, IV09, BM12b]. central-upwind [CXNF14, FCX06]. centred [SGN08]. centrifugation [BBCS05]. centrifuges
[BBCS06]. centrosymmetric [SYW18]. Certain [DL01, BKP15, DMGVP09, Dra97, Fuh01, GVSL06, GS05, LS86, LF04].
certified [Che16]. CFD [BTMT08, BS97a, QM03, SST04]. CFIEs [CM14]. CFL [GK19, MZ04]. CG
[Sch99, dv95a]. CGLS [Baz03]. CGSTAB [SSvG10]. chain [Bec02]. chains [BT02, Buc99, DNMW18, Mar03]. challenges
[DBH+05]. change [CH15, Sal93]. changes [Wag98]. changing [DCC14, SY08]. channel [BJ00, Gla93, Jun06, PK91,
RKVZ15, jWyG08]. chaos [CJL13, Pul90, Pul12, SSL93, SZ12, SZ17, Shy91a, Shy91b, SH91, ZWK15]. chaotic
[SK01]. character [Mar99b]. characteristic [Bre06, EAS12, FLR08, JZ10, LY08, SAG86, SWW11, ZMC13]. characteristics
[LCVG01, Mar03, PG02, YY13, Zio99]. characteristics-mixed [YY13]. characterization [ST89].
Characterizations [LX08]. Charge [GG95, NER95, NR97, SG05]. Charge-oriented [GG95]. charges [HNP17]. Cheap
[SZ97, GHWO1, WGB99]. Chebyshev [TGB08]. Chebyshev [ARGA00, BC08a, Boy06, Boy07, BO11, Col90, DDM89, DSW96, EK95, FFY08, HM00, KK09b, KYI17, Mac92, Maj17b, MM07, MRFF17, PH17, SWW17, SWX00, She00, Xu16, Yan18, ZB19, ZK00, vs97]. Chebyshev-collocation
[MQO17, SWX00]. Chemical [ND85, BBV05, CKB13, DS02, DS03, KCJP01, PM05, SK96, ZdBT03, dB03].
chemistry [BGG12, VS95, VBH96, WK02]. chemotaxis [LX08]. chemotaxis-swimming [CST18]. chess [WWS+93]. Chile [BGHR12, BGH+15].
Chilean [BGHR12, BGH+15]. China [LST07]. chip [SG05]. chiral [WG19]. Choice [GC15, BS00b, CDD00, EG88, Lay08, Neu88, PA91]. Choices
[San89, GAW09, SWFK13]. Chelesky [HPS12, LN92, Noo95]. Choose [Rob10]. choreographies [RS14]. Christoffel
[Bre91]. chromatography [DGM18, vH98]. Ciarlet [ZBY19]. CIR [BDOG19]. circle [BS16, CCBGV08, DGV00, DBCBP010, DIR13, SL01a].
circuit [AKGR14, BLW02, GG95, MT11,
circuits [BBS11, GR93].

Circulant [NR14]. circular

[Wen10a]. Cittert [Dun18]. clamped

class [AL95, ADR17, ADFT18, ABF09, AD18b, BAI96, BDSG09, Beg00, BMR15, BJM01, BKP15, Bur91, Bus06, Cam99, CN17, CG14, Cum95, Cve02, De 06, DGN12, DYX09, DM09b, DZ12b, DIR13, EM05a, EV004, FL05, Fer99, Fer96, FR18, FJ95, FJS99, GT15, Gou06, GFP18, HJYL19, JCL18, Kat89, Li12, Lot19, MH16a, MAH18, Maj14, Man96, MMM19, Ost93, PD01, RY13, RT95, Sad97, SEGV02, SG05, SL08, Tsy96, VDV98, Wan11, WZ14, WSW96, WdG92, XZ19, Zha19a, ZZL01, ZZW97, in 92].

classes [KM17]. Classical

[Lee10, AS11, Beg00, BDRZ04, CCJ99, DJM09, FR18, GMG02, GP01, LS12, MZZ17, MOS02, Mar94, Mar99b, MMP02a, PA18, Sal03, TJK18, Wel10a, Wel10b, ZS18].

classification [KKR15, Ush18]. cleaning

[GG9+15]. Clenshaw [CL14, Maj17a]. closed [TMM15]. closure [JR18]. cloud

[WK02]. Clough [Bar12]. cluster [DS01]. clusters [Nür09]. CM [BS94a, VV95].


c-coercive [LLY11]. co-existing [CZY08].

coaagulation [DS07b]. Coarse

[SS99, FdsB02, NN13]. coarse-mesh [FdsB02]. coarsening

[GGLR09, GGR97, LWT07, de 96]. coastal

[KDAK16]. coaxial [IJ14]. cocheal [BF09].

Code

[ARA99, ZW87, AJ19, AA87, AB98, CST97, GPPR12, Sal89, SW86, WSP97, WB92a].

codes [BMR+17a, Ber86, BT97c, GMG02, GMG04, Sha85b, Sha87]. coefficient

[BJ01, BJ03, BRW17, CCL04, DP12, DL01, HP14, HLI16, IT16, JR02, KS07, Lu98a, PJB04, Su94, SW17, TK05]. Coefficients

[Hig93b, AL09, BF17, BC05, CJ90, CC04b, Chm17, CL88, DYX09, DCC14, DKK94, DC09, HLMKZ06, JV09, KP92, LP01, Maj17b, ML16, PM14, Spi13, VL19, VSeYD02, WCXL09, YT00, ZM17].

coev] [DHS05, LLY11]. coherent

[CCP04]. Collaborating [MR92]. collapse [TYKK01b]. collapsible [LT00, TYKK01a].

collisions [CLP15]. Collocation

[AB88, BR97, CN15, HM17, AV96, AFS02, Bal00, BAD13, BZ17a, BIM15, Bru92, BMM97b, BM97a, Bru07, CHLX07, CP05a, CP09, CP12, CN17, Cum95, DP12, DS07a, DHL00, DLPV17, DBBH14, ERS00, EHM01, FID18a, FXL18, GPHAM12, GT93a, Gug05, yGpY09, Han93, HM15, HM00, Hu99, HR96, HKP89, IO18, JZK06, Joh05, KO08, LHRH94, LHH96, LFBO0, LWL18, LZW17, MQ17, MS86, MRFF17, Pat00, PM91, PT11, PT16, PA91, PK91, RK08, RAOC18, Sch93, SLW17, SWX00, tSqWY16, SJ11, uIVS13, SK10, WMK04, WMF17, WC14, Yan18, ZWJ18, ZL18b, ZCSH11a, ZCSH11b].

collocation-based [Pat00].

collocation-type [Han93]. colored

[Kom07]. column [GY94]. column-block [GY94]. combination

[HEG16, LKV01, MM02b]. combinations

[DJM09, LH02, WM08]. combinatorial

[Ren99]. combine [AN15]. combined

[AP09, HJYL19, Lot19, MK14, PA18, SA18]. Combining [DM12]. Combustion [BH85, BBV05, GS89, KCJP01, NER95, NR97].

commodity [ZGO12]. common

[AA96, BW17]. communication [dv95a]. commutativity [Yan18]. commutator

[BM06a]. commutator-free [BM06a].

commuting [BB98]. compact

[CGA93, CRU15, CS18, GX11, GLLW14, HKW17, Jor11, LZW19, Pir09, RZ18, SG16, SA18, Ven15, Wan17b, YT00, ZGDL17].

compact-WENO [SG16, ZGDL17].

compactification [DB95, MW93].

compactly [Ehr08]. Companion
DP85, Ehr08, EH88, EZ98, FJ09, Gar10, GP98, GMS12, Gu01, HG98, HH98, HN03, HJ09, HD04, HJ17, HL03, HB09, JW01, Kvy015, Kom07, KM18, LA11, Lie01, Lin01, Ma03, MVVA09a, MVVA09b, MW93, MZ04, Mei14, MG18, Nes16, NMB10, O’L87, PPS10, QMLC15, QAMX17, Rya00, Sch96, Sch16b, SC08, SG00, SDK15, Sof17, SS02, SHG86, Spi97, Str98a, VV02, Wag85, WL18, WT17, WS04, ZR15, BG11a. conduction [AX19, BLS94, DCN+19, LW18b, MVVA09b, RMK09, YY13]. conductive [BBV13]. conductivities [YV17]. conductivity [CML05, DM09a]. cone [BSZ99, MYSC17, NSCC19]. cones [MMP02a]. Conference [Ano02g, LST07, FJ97, Wen10a, vdHSW98, Ano00a]. configurations [DCN+19]. confined [MT05]. conflict [Fuji99]. conflict-free [Fuji99]. conformal [Ari03, BBO03, CLR11, LWCT07]. Conforming [CCZZ18, AW03, CYM09, DDP12, DN08, GGO16, PZMX16, PK91, WCSSQ18, XL09b]. Congress [MH89, HSX18]. Conjugate [BGH08, DW00, DW15, EAS12, GR02, HVY91, Pf08, San03, SW95d, vdES04]. Connection [Pet92, VV95]. conquer [DH94, Jes93]. conservation [AM09, AKG14, Aff94, Ang96, Bac14, BMGM12, BJ02, BTP96, BFA93, BDF94, BM12b, Bor16, BGP11, BGS02, CSW19, CH15, Dav92, DF96, DGR90, EK96, FL01b, GT00, JG17, HSS07, Hor02, HWCF15, KS09b, KXR+04, KLSW06, LPR00a, LPR00b, Luo18, PGDB08, SG17, Tan01, TJ12, XF06, Ye04]. conservative [BDM03, CHSS01, CS08, CCL04, Foun00, FLL11, HLKZ06, HJJ18, JPP19, Kim07, LDI16, LR18b, LZW19, Mq03, ZQLK11]. conserving [BRBM08, BBKS07, Hor93, Ito17]. considerations [HFL13]. Consistency [Hor93, Kel85, LL06, SKR+16]. Consistent [HBJ09, XU13, GKH16, Sid90, WKP12]. consistently [Not92]. consolidation [GLV03, GLV06]. constant [Fan11, FP02, GC15, KCJP01, RF16, SH97, TL07, ZWL11, VK17]. Constant-Convection [VK17]. Constants [ND85, Mat86]. constitutive [Die15]. constrained [Arn98, BMM03, BH93, CXZ14, CD18, EM05b, FLMR14, GO18, Han87, KLSW10, LS93, LWT07, Meh08, RP01, SP99, Ton10, USHT03, Yu08, YP18a, YP18b, ZP12]. Constraint [Cao09, RP01, ZW87, Che16, YD07]. constraints [Aca12, BSZ15, BGIW18, CD91, HdSR17, KP03a, LDP+14, Lot19, MDT05, Sch09, YLS+09]. constructing [LS93, Ran15, Ren14, Sad07, Tol03, WWS+93]. Construction [BZ91, BJ96, BJ98, CCP17, GH02, HZ02, JM17, LWT18, Mat91, Nic86, PR09, PT95, SM93, YR09, AG98, ABH14, Ano87a, CV88, FJ17, JL86, JL87, Lem02, LX08, Man96, MP97, Ty00]. Constructive [AAD+08, JNPC03]. contact [AC18, BBDD18, CRA08, CH13, Cop03, CF05, CF13c, CF14, CA15, CA16, DPPR16, GS15a, Gw09, HS07, HL02a, HMW05, KM11, KW12, Por17]. contaminants [BM04a, BM04b]. Contents [Ano01e, Ano05c]. continua [Hin09]. continuation [BZ17b, GS89, HH16b, Jac88, JMP06, KLSW10]. continuations [Lyo12]. Continued [JT88, Bre88, CVV08, CV88, GGMP88, Gil91, Hau88, Jac88, Lem88, Lev91a, Lor10, Njå88, Waa88]. continuity [AW03]. Continuous [BDGP96, BDP99, CW88, CM07, CLGD06, EH97, TYJ11, Arc06, BT97a, BV96, Bel97, BN12, BGS02, CCP17, DV95b, DMR18, Fra16, GFB99, JR02, JNPC03, KK17, LHC09, LOS03, LZ17, MST09, Pio05, SA12b, VZ93, ZL18a, ZX14]. continuous-discontinuous [Fra16].
continuous-discrete [LOS03].
continuous-time [KK17].
continuous/discontinuous [ZX14].
continuously [CST97, Zha09]. continuum [Dal00, JEG10]. contours [FPT03, Hia97]. contract [GQ08, MQ00]. contraction [PK91]. Contractivity [Bel97, GCHR06, JL94, Zen93, Car09a, CC04a, CXZ09, CZ12, CHS17, CCS17b, DG10, DS05, DXY09, DFLM19, DLN04, DH07, Fe10, FMI11, GMZ11, GGN12, GS05, GRRN17, Hau88, Isc94, JTB15, Jay95, KO08, Kok08, KK86, Kru99, KY17, Kza92, Kza99, Lem88, Lev91b, Li01a, Liu02, MZS10, MT11, OT02, PdV99, Ran16, RT14, Sac93, SA12b, Wan96, WS04, YZH19a, ZT06, ZZ19, vdSvdH95, ALMM98, AHT17, AM99, AM00, AMP03, AHR12, ABM17, AFLP12, AKF92, AL05, BWY03, BGO13, BGM19, Bho12, BRZ10, BM09, CCGGS11, Ca097, Ca098a, Ca01, CL07, CJK11, CH13, Con04, Cum95, Cuy90, CH90, Cve02, Dar90, DA17, DGMV005, Do19, EGH01, FFY08, Fd197b, FS88b, FR01, FSW19).

control [AH09, AB09a, AVMV009, AW09, BKM13, BCT16, BGH08, BS96a, BSvdV99, BSz15, BC00a, CKP15, CLY19, CHK99, CL10, CY05, Con01, CF05, Dsh02, Dat99a, Dat99b, Del01, De 06, EBC07, EGL09, Han06, Hig93a, HL19, Hu98, HFL13, H016, Jez04, KP18, KN08, KR15, LY03, LT05, Lot19, MDHK06, MC00, MP94, NK11, NH15, Pea16, RSD106, SS19, Sha05, SG06, SW94, Sim94b, Sod06, WKP12, XL11, YGY15, YC16, ZSJ04].

controllable [Leo10a]. controlled [EK95].
controller [Ein18, LT07]. controlling [For92]. Convection [RBBC85, BO04, BC08a, BBSS05, BC04a, BW96a, BW97, Bla00, BTVD10, CP05b, CT93, CK13, CJLS98, DDDS89, DXY09, DM11a, Die15, DdCVR03, DL06, Fra14, Fra16, GAML04, GD09, HM00, Hu17, JT18, Jun06, KT05, KC03, KOS01, Len00, LY09, LS99b, LD02, Luc05, MOS02, Mar05, Mat09, MG18, NS03, OQ15, Sac93, Sch91, Sz09, SG07, Str98a, ST08, SWW11, Tse00, VL08, W09b, WK00, XZW19, Y17, Y19, ZMC13, ZML12, ZX14, iW07, VK17].

convection-diffusion [BW97, Bla00, CT93, Die15, Fra14, Fra16, KOS01, Len00, LS99b, OQ15, Sac93, Y17, Y19, ZMC13, ZML12, ZX14].

convection-reaction [BW96a].

Convergence [ACMR06, APJ10, ABCC18, AFLG12, BASC17, BM00, BK09, Ben17, BFK11, BW15, Boy15, BD11, Bür13, CGT13, CC90, Car09a, CC04a, CXZ09, CZ12, CHS17, CCS17b, DG10, DS05, DXY09, DFLM19, DLN04, DH07, Fe10, FMI11, GMZ11, GGN12, GS05, GRRN17, Hau88, Isc94, JTB15, Jay95, KO08, Kok08, KK86, Kru99, KY17, Kza92, Kza99, Lem88, Lev91b, Li01a, Liu02, MZS10, MT11, OT02, PdV99, Ran16, RT14, Sac93, SA12b, Wan96, WS04, YZH19a, ZT06, ZZ19, vdSvdH95, ALMM98, AHT17, AM99, AM00, AMP03, AHR12, ABM17, AFLP12, AKF92, AL05, BWY03, BGO13, BGM19, Bho12, BRZ10, BM09, CCGGS11, Ca097, Ca098a, Ca01, CL07, CJK11, CH13, Con04, Cum95, Cuy90, CH90, Cve02, Dar90, DA17, DGMV005, Do19, EGH01, FFY08, Fd197b, FS88b, FR01, FSW19].

convergence [GH91, Gan96, GM94, HPY92, HO10, HC03, ITZ17, JW01, KS91, Kie15, KAS17, LR93, Len00, Lev91a, LZW19, Lin01, LMP99, MOS02, MO17, Mar03, MT94, MS90, MR94, Nke07, Oos95, TOG92b, Poh93, PCA10, Pré95, SSV99, SW09a, SX09, SL09, Sid10, SS13b, TN16, TX18, TH18, Vu95, Wa90, WMC09, WZ17, Xu13, YXT17, Yua93, ZZL01, Zha19b, ZZW97, in 95, GPHAM12].

Convergent [Fid17, AB07, BM01, BO11, CDW13, KKN13, KKN17, RTU15, SG04, VV02, W010a, W010b, ZLG15, ZX14].

converging [Jez04]. convex [AM10b, CP97, CLTA18, CK10, CF18, EB12, GGG18, Mik97, PCC17, RSL6, SC11, YLS09].


Convolutions [ADG11]. convolved [Con04]. Cook [CCZZ18]. cooperate [AC10]. cooperative [CZY08].

Coordinate [TMS87, CFX08, FJH01, LT01, ZB19]. coordinate-free [FJH01]. coordinates [DS15, KDA13, LWT07, Pet00, WE99, YH00]. core [MMB07, MM16]. corner
corners

Corrected [Pru00].

Corrected [Con99, AFS00, CKB12].

correction

Corrected [Con99, AFS00, CKB12].

corrections

Corrective [KN08].

Corrector [Bur91, Car09b, CXZ15, IM02, JL91, LLL12, Wai98, Zla85b, de 95b, vC93, Bur93b].

Correspondence [Jia12].

Corrigendum [BtTBV87, JL87, TLP18a, YP18a].

corrosion

correction

corrections

corrections

corrective [KN08].

Corrector [Bur91, Car09b, CXZ15, IM02, JL91, LLL12, Wai98, Zla85b, de 95b, vC93, Bur93b].

Correspondence [Jia12].

Corrigendum [BtTBV87, JL87, TLP18a, YP18a].

corrosion
D-convergence [ZZL01].
D-flows [BS08].
DAE [CY98, NR97].
DAE-aspect [NR97].
DAEs [AFS00, CCMSS11, Cam99, CZ97, GPHAM12, GS09, AC96, HMT03a, HMT03b, San02, ST05, Wen05, YT03].
dam [CGN03].
damage [CFKS07, CFRA08].
Damped [KH91, MDP10, Moe98].
damping [CRR03, Jes85, LR01].
Dantzig [YP18a, YP18b].
Darboux [Bre91].
Darcy [BC12, C¸K13, DZ12a, EJS11, EL01, HS17, Kie17, LLHC18, UNGD08].
DASPK [MD96].
Data [DR93, LP05, Vas17, WCGW95, BG02a, BRW17, BRS+18, CPZ17, Ehr08, FvdMS17, Har10, HK08, HM15, HM17, Jun97, KKK+13, KKK+17, LO96, PS02, PS03, RS09, RL86, RCGM08, RW87, RV05b, Sch08a, SS19, TD09, ZJH18, ZHL08, ZXW17].
Data-dependent [DR93].
Data-parallel [WCGW95].
Data-sparse [LP05, Vas17].
databases [WWS+93].
Davidson [Gen10, MS99a].
DDE [TS06].
DDEs [ST01, Sha05].
Death [BMR17b, BLM17b].
deblurring [BS10, DE16].
decay [BDKM92, Maj17b].
decomposed [GCP91].
Decomposition [CFC03, TMS87, AAD+08, AF04, AM10b, Att97, ABC18, BN99, BRRS15, BM89, BRVC09, Bog00, BP90, BS91, CG89, CES91, CJ90, Chn17, CDG19, CG16, Cve02, De 93b, DA18b, DDS89, Dor91, Dou91, EZ98, Ewi91, FL05, Gas92, GK09, Gen10, GG19, GHF00, GS08, Haa97, HPS12, HSS07, IVA93, JMO6, Jun97, KCS07, KG90, Kok08, Kop89, KJ99, Kuz90, LY08, LY09, LR00, LOM98, LRT99, LZ90, MH14, ML91, Men91, ML97, NRWF08, NMB10, Par04, PKSB10, Pas91, Pavi00, PR90, RV04, RV05a, SWW17, SG09, Ste05b, Su94, SLZ10, TS08, Tse00, WM07, Yu99, ZHL03].
Decomposition-type [BN99, Cve02].
Decompositions [Phi91, PT15].
Decoupling [PLE96, FLMR14].
Decoupled [LMA18, ZZHS18].
Decremental [DH94].
Dedicated [CHM09, FFMZ13].
Dedication [Ger94, GT93b].
defeating [BO11].
defect [FR01, QMLC15].
defect-correction [QMLC15].
deficient [Baz03, SY07].
definition [Att97, CFS13].
definite [AA05, Am99, Ca01, DL01, Liu02, Lu98b, Sha98, TM15].
definiteness [Mar08].
Degenerate [DFZ16, KKK92, BBRBS09, BCS05, BCS13, yGyZ07, KL98, KKK9a, LC99, Spi90].
degradation [DSSC13].
degraded [AA04, AL09, Beg00, BWY17, DhW09, Has08, Kin94, LZZ18, Mil17, PM91, Sal03, Xin08].
degrees [Mau08].
DEIM [YV17].
Delaunay [LS93].
Delay [SG06, ZFX17, AHT17, BF92a, BP06a, BZ92, Be97, BR94, BFSD10, Bre06, But92, Cah92, CHZ14, CZ12, Den15, DFLM19, EH97, Enr06, Fan11, Fd97, Fel06, FNT06, Gan09, Gug05, Guo01, HJ17, HS95, Hu99, JVZ97, JKK06, JP19, KV95, Ko96, KF97, LZ14, LW92a, MKZ05, Pan92, PH17, RA17, SMJ12, SH07, SZ17, Sp97, TYJ11, Van00, WZL08, WC11, WGW15, WB92a, WB92b, WMC09, YXT17, ZZZ01, ZH09, ZC10, ZZO16, ZP97, ZP98, ZX09, in 92, in 96].
Delay-dependent [ZFX17].
delay-differential [BR94, WB92a, WB92b].
delay-differential-algebraic [SG06].
delay-integro-differential [BF92a, ZH09].
delayed [LLD18].
delays
[BT97a, BCT16, HHT97, Hig93a, Hua00, LRE04, NT92, tSqWyG16]. DELSOL
[WB92a]. delta [BW15, GGS04]. Deming [Mon09]. denoising [BS10, YCY12]. denominators [PA91]. dense [LW92b, ZNK02]. density [AKT97, CKS05, SW06, BNH01].

Dependence [BN03]. Dependent
[FG96, AB09a, AL17, AF89, ARS97, ABRW18, AMS17, BHZ05, BP14, BDF89, BitTBV87, Bre02a, BK12, BJ01, BJ03, Bz06, Cah92, CP05b, dCCSR03, CS17b, CST97, DFLM19, Dia95, DY03, DR93, FNT06, GLPW90, GGR97, HHT97, HP14, HM15, HM17, HIILK13, HR96, HLIS16, JCSR03, KH91, LV01, Lay09, LTL07, Luz17, MG97, MS08b, NT92, NC16, Nor97, Pea16, PJB04, PAJ12, RZ00, Ry13, Rya00, Sar05, SM13, Sim10, SS17, SvdVvD06, SZW19, TER03, Toc01, Wan09, WZ13, Won08, WdG92, XZW19, YS09, ZFX17, ZYS17, Z110, tV87, vDVS08].

deposition [CKB13].
derefinement [PPC00]. Derivation
[Chr01, CMRV11, CAAT16]. derivative
[AH11, ABH14, AH15, AHO16, BP02, BB94, BM06, EH07b, GJ00, KGR08, Moo04, Ram12, Rz05, SL15, WL16, WB92b, Wn09, ZY14, iW07, iW09, iM13]. derivatives
[AGY08, APJ09, BFK11, CHZZ06, Che12b, CHS17, CD00, Da13, Do17b, DR01, HEG16, JLI13, KCS07, KS01, LHWF08, LH01, LF15, Rat13, Tan87, ZLG15, ZZ19].
deriving [LIPT18]. describing [GRGJ02].
dercriptor [EK07, Sim93]. DESI [Dia95].

Design [Ale03, BI719, PSW02, SW95a, AC08, ARS05, BdfPsSc08, Ch04, IPl02, JP99, Jam93, Pl03, SA08, SG05]. designs [KS10]. destruction [BDM03].
detect [GGS04, MMK17]. Detection
[Eir99, AC10, JD09, JGK11, KM95, KXR+04, Lo06, SSW04]. Determinantal
[Pre90]. determinants [WB90].

Determination
[Deh01, AED12, CJL13, HK09, KYI17, LV12]. determined [SK10]. Determining
[AGY08, LN08, Su94, WL09c].
Deterministic [GS15a]. detonation
[ZG80a]. Developing [BDF89, Pau92].
Developments
[BA98, AQS09, ABF09, BC92c, Dat99b].
device [LS07b, YTY13]. devices
[AC08, BBS11]. diabetes [MLK06].
diagonal
[BLY17, BKPS07, Fuh01, TW00, ZH15]. diagonalization [HC01]. Diagonalized
[AyLqW18]. Diagonally
[But93, DR90a, JR00, ABH14, BJ96, BJ98, BW03, CDP12, FS08, HH10a, Hor98, JZV95, vSC92, vs93, WBC02].

Diagonally-implicit
[But93, BW03, CDP12]. diagrams [Mar93].
diameter [CL07]. dichotomically
[ELLE02]. diesel [SM08]. Difference
[BKM95, BCE04, KK17, Pot85, RBBC85, RS00, AES15, AEMX17, AA1+93, Ano87a, AFS00, APJ10, BM00, BRTB19, BM12b, BS18, BCS06, CCG13, CA93, CHSS01, CP05b, Chi12, Cho13, CCL04, CS18, Con99, CMCGR02, DA18a, Dor01, DS15, EP15, Est95, FE93, FG98, FKA+13, FOU00, GX11, GLV03, GHKM09, Glz94, Go00, GHF00, Hag15, HZ09, JL86, JL87, JT18, Jor01, JY09, Kam00, KT05, KBS11, Lat89, KD13, Kni94, Kn195, Kop89, KDK17, KW93, KLSW06, LY08, LHWF08, LY09, Lr18a, Lr18b, LZW19, LSH99b, LCL18, Lyn99, MDP10, MP11, MM14, MT06, Mic03, MdD04, Pap95, Pir09, RZ00, RZ18, RTU15, RT95, RU07, RU15, Sm94, SDK15, SAI18, SL15, SMA01, Sto96, Str98b, SW111, zSW06, SLZ10, Tan93, TYKK01b, To03, Tsy96, TY00].
difference [VVD95, Ven15, WL09b, Wan17b, WL18, WS04, YDWW17, YH07, ZZL17, IY09, vSW90]. difference/finite
[DA18a]. differences [Gu15, Zeg97].

differentiating
different [Zha09].

differentiable [BAF14, Den11, RK91, van86b].

differential [DCN19, DJM09, GGG16, HS02, JT09, LWD9°, MM16, SWFK13, SC08, Yu99].

differential [BGHR12, BGG15, FR18, Jac87, Mout02, AB95, AM99, AM00, AMCM08, AT93, ABF09, AF89, Am93, ARS97, ALP°96, ADN00, AV00, Bac16, Bac17b, BS14a, BHJ06, BMK95, BF92a, BT97a, BBP05, BP06a, BL05, BKP09, BJ05, BZ92, Be97, By01, BMGG12, BGG13, BDF89, BF92b, Bho12, BCC16, Bia01, BtTBV87, BR94, Bok03, BJ11, BMRP15, Bre06, BP92, BMM97a, Buc06, BS12, BS18, BC99b, BB96, BDP96, BB98, But92, BC95, BJ96, BJ98, GCEV19, CG90, CGA96, CL01a, CHZ14, CDP19, CD95, CSS87, CCM02, Cha98, CZ12, CL01b, Chi12, CST97, CN11, CN15, CP03b, DS05, DR09b, Den93, DL13, DLPV17, DB08, ELCSW98, ESEKZ10, ER18, ELLE02, EGO99, EMMK01, EH97, En06, FID18a].

differential [FMMK01, Fan11, FL93, FTB97, Fel06, FT06, FNT06, Gan99, Gan96, GS99a, GP06a, GLM09, GM17, GN86, yGqW9sWC05, yGyZ07, yGpY09, GGO13, Gu01, HM78, HZBM05, HP18, HJ05, HJ17, HS19a, Hig93b, HXW15, HCY18, HR96, HJS9, Is98, Ise02, JJJ9a, JL91, Jac93, JVV95, JVV96, JVV97, Jac02, JRW06, JZZ19, Jay95, JW01, JC91, JMY90, JPPY10, KPY15, KV95, KK11, Kan95, KC19, KO96, KS98, Koz94, KP15, KKR15, LHHHR94, Lay09, LPZ00, LI05, LZ14, LZ17, LYF17, LS11, LMSW17, LZZ14, LYK17, LL18, LTT19, LP00, LS98, Luc05, MDD14, MAH18, MP96, MCS16, Mår95, MT11, MKZ50, MT06, MM19, Mok17, MP94, MN08, Mur99b, NMKE13, NLS18, NT92, Od19, Olv92, Ost93, PM05, Pau92, PT11, PTV16, PH17, PAJ12, Pot97, PM14, PG02, Pul05, Pul09].

differential [PSL18, ROB17, RA05, RKVZ15, RTV00, RTV02, SS08a, SA90, San89, Sar05, SA12a, SMEN04, Sch02, Sch87, SD13b, SG06, tSQyGW16, SZ12, SZ17, uIVS13, Soi15, SvdHN86, SvdH92, Sp97, SL01b, SG17, TN16, Tan93, TX18, Ten15, Tho85, Tai15, TB01, TY11, TZA13, TDPU17, TV91, Tro93, VV09, Van00, Ver96b, WGS12, WL08, WG10, WC11, WWX13, WGW15, WMF17, WC12, WYL11, WB92a, WB92b, WSS97, WdG92, XFC00, Xu13, XYT17, YBL13, Yan18, YC13, YDWW17, Zha19a, ZG92b, ZH09, ZC10, ZS016, ZFX17, ZLX19, ZS16, ZP97, ZP98, XZ09, ZC99, ZAB15, ZK00, Zun95, dDF°94, in 92, in 95, in 96, tV87, vSW90, van96, vs97, vvdV97, vdHSW98, vb95].

differential-algebraic [Arn93, BL05, BKP09, BDF89, DS05, EGO99, Hig93b, Jay95, JW01, KKR15, LPZ00, Luc05, MP96, Mår95, Mur99b, Ost93, RA05, SA12a, ZP97, vB95].

differential-delay [KO96].

differential-functional [ZK00].

differentiated [KP92].

differentiation [Bal00, Ber86, DGD03, EES05, Jam95, RH92, SKE89a, SKE89b, ZL11b].

DiffMan [EMMK01].

diffractive [DHL00].

diffuse [Sch16b].

Diffusion [GM85, AS11, ALM96, ALM98, ALMM01, AB12J, AC18, AL98, ABR05, Bar05, BL15, BAD13, Bc18, BM01, BO04, BRRB05, BC08a, BCCS05, BC04a, BM04b, BW97, Bal00, BTDV10, BFdS10, BK12, BC97a, BCDP17, CGGGS11, CFCH09, CC18, CCE19, CdFN01, CM02, CD17, CT93, CDW13, CLA18, Chn97, CJS98, CF08, CA16, Deh01, DYX90, Den15, DM11a, Die15, Din19, DHM09, DL06, EV96, FMP04, Fou00, FV87, Fra14, Fra16, FJ95, FSZW19, GAM04, GS15a, GLS09, Gas92, GV02, GG19, GPPR12, GP06a, GS04, HM15, HW06, HEG16, HS95, HFL13, HS19b, JR18, JT18, Jia12, JT06a, Jun06, KM95, KKT15, KP18, KV07, KC03, KOW05, KL09, KS01, KS04, LWT07, LW93, Lan95, Lan97, Len00,
Li01a, LY09, LR18a, LS99b, Liu09, LYY15, LCLW17, LCL18, LLZ19]. diffusion
[LO96, MOS02, MMKN17, MPSS16, Mar05, Mat09, MG18, MOSWO0, MHL18, MRFF17, NS03, NMB10, OQ15, Par04, PS09, RSL89, RZ18, Ry13, Sac93, ST11, ST14a, SZ09, SM13, SY18, wSJ15, SJ18, SG09, SG07, SW13, SA18, SL15, Str98a, ST08, Su94, SWW11, SvdVvD06, zSW06, SW17, SZ19, TSB10, TH09, Tro6, TMM15, VA05, VVR08, Ve10, VL19, Wan01, WL09b, Wan09, WZW13, WW14, Wei09, WB30, Won08, WGI1, XZW19, YL13, YZ17, YZ19, ZMC13, ZCZ15, ZWJ18, ZML12, Zhe19, ZX14, dlHV13, iW07, iW09, iM13, VK17].

Diffusion-Reaction [VK17].

Diffusion-wave [CC18, Din19, LR18a, LCL18, LLZ19, SA18, ZSW06].

diffusions [Dah02, Spi90].

diffusive [BMMZ06, C¸K13, CCM17, Zha19b].

diffusivity [MG18, YW19].

digital [GG95].

dilation [GP17].

dimension [HL89, LL98, MP11, SSvG10, TM04, WSS97].

Dimensional [Per88, Pet87, SR88b, TMS87, TD09, AS11, AJT19, AW03, AMR12, ASCM02, Bac14, Bak89, Bar09, BRRBS09, BG11b, BZ17a, BFA93, BS94b, BBLT15, BM18, BRI85, BS12, BF95, CH01, CDW13, CLTA18, CAAT16, CY05, dCCSR03, CPOGO17, CMCGTR02, DhW09, DE06, Deh01, DA18a, DA18b, DCC14, Din93, Din19, DN08, ELCW398, FP02, FD97, FdSB02, GX11, GM16, GMM09, HZ09, Hor99, HK85, HR97, JTB15, JT06a, JGGK11, KV07, KM16, KF97, CCC04, KS09b, LM00, Lan95, LCHR03, Li16, LSO7b, LLZ19, LAH09, LS93, DL16, LMWZ07, MQO17, MS19, Med96, MH16b, Moo95b, Moo95c, Mus11, NY13, PR90, QM10, Sch91, SLJ86, SLW17, SR09, SX09, SJ11, SZE*92, SvdHK94, SK06, SW12, Su94, SWCH15, TJ12, TV91, WZW13, WQ17, WMLB19, XC85, XL09a, ZCSH11a].

dimensional [ZQLK11, ZCSH11b, dHV13, iW09, vSK97].

Dimensions [MOZ87, BHJ06, BD11, CMP03, EFLFP09, FL09, Gar03, KZ13, MPSS16, Mar05, MD96, Ros93, Str98a, TM05]. diminishing [Ano87a, JL86, JL87]. DIMSIMs [FJ17, JM17, Jac02]. dipole [Nes16].

dipoles [HNF17]. Dirac [Gia12, GGS04].

Direct [EBC07, Leo10a, VV95, YC13, AT93, BCT16, BM01, CM02, CGCMTR02, CCJ99, CMCGTR02, DB08, HFL13, HS19b, HT94, LCVG01, Map05, ZS18, Zla85a, MS13].

direction [ACM91, BJ00, CSXL14, FMU15, GJ11, JL94, KH91, LLZ19, Phi87, ZZL15].

direction-dependent [KH91].

directional [BKR13, Dal13]. Directions [Bie87, CXX14, Sch99, dRT99]. Dirichlet [Ant13, Bie12, DA16, DP85, DY03, HJ09, HBJ09, MH14, Mu08, MG18, OMP98, PA18, Sch16b, Zho18, vR04].

Dirichlet-to-Neumann [Bie12, OMP98].

DIRK [Ale03, Cam99, HO10].

disadvantages [Car99b]. disaggregation [Mar03].

discontinuities [AG05a, AGY08, CFXZ06, Hig93a, JD09, KS07, SB18, WB92b]. discontinuity [DL13, MQO17].

Discontinuous [BP06a, CGJ16, Cas06, Fre98, GHH09, Kam16, LYK17, Por17, SW05, YZ17, AKG14, AL09, AW14, AFS11, Aug89, Bac14, Bac16, Bac17a, Bac17b, Bac17c, Bac18, BTB19, BVT14, BTP96, Bus06, CP06, CG03, CCK08, DGN12, DN13, DL13, DMR18, DL16, ER07, FD16, Fra16, FJ95, GM18, HLMPO9, HSS07, HMP14, HJ18, HH18, HS19b, HJ03, ID19, KPY15, KWS19, KWLK00, KXR*94, KQ13a, KQ13b, LH11, LHS00, LZ14, LS07b, ML16, Mus11, PRR17, RC18, SC19, SA12b, SZ09, wSJP15, SvdVvD06, Tem15, VSeYD02, Wal19, WCXL09, XF06, YW19, YT00, ZY14, ZZ17, ZX14, vR04, vdVS08, vB95].

discontinuously [VT91]. Discrepancy [Sch04, DE18].

Discrete [DLM05, Ehr08, FHK05, Har93, KR18].

Discrepancies [Sch91, DE18]. Discrete [DLM05, Ehr08, FHK05, Har93, KR18].
discrete/continuous [GFB99]. discretely [FV01]. discretisation [BDM03, HvdHV10, JR18, LT19, TGB08]. discretisations [JPP19, Mat09]. discretised [HS95]. discretising [PSL18]. Discretization [AB09a, FI03, LS98, AMT13, ASZ15, AKT97, AB12b, BM12a, BCS17, BW95, BK12, CGT13, CLT97, DY17, DM11a, DT10, FMS18, GHK16, GAW09, HL99, HT94, KDAK13, KM19, KPR06, KvyS15, Kra92, LPT94, LCLW17, LO96, MS86, NBNTGV11, Rei99, Rob01, SW12, TN16, Tan09, VB07, VK17, VL08, YB10, ZBY19, 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, CD18]. Discretize-then-relax [SC11]. Discretized [Imo00, ADH00, BN12, DJ10, Guo15, Ise97, Poh03]. Disease [HL97]. disorder [Den07]. disorder [ABD16]. dispersion [AB07, JL17, LR18b, van86b]. Dispersive [Rog19, DM09b, DGM18, DL16, Est95, PD01]. displacement [FBS09, LY08, RVD00, ZYSZ14]. dissimilar [MAG13]. dissipated [GM08]. dissipation [CSW19, Leo10a, RGÖS18, SGN06]. dissipative [Gar96, HO10, Rog19]. dissipatively [HL99]. Dissipativity [Gar09, Hu00, WYL11, MDD14]. distances [CP07]. distorted [WG11]. distributed [ABG+15, BGH08, BSZ15, Eij95, LR18a, LSGK15, LRE04, MRV93, MMM19, MRF17, Per99, RZ18, XL11, dv95a]. distributed-order [LR18a]. distributing [Mit97]. distribution [DNW18, Shy91b]. distributions [BD07, DMGVPO09, Rus95, SdSC99]. div [BVV09, MV18]. div-grad [BVV09]. divergence [CHSS01, GDS+15, HZ12, HS97, Mat08, MP15, MZY18, Pas91, ZFZ19]. divergence-free [HZ12, MP15, Pas91, ZFZ19]. divergent [BW15, CFV10, Wen10a, Wen10b, ZJ10]. diverse [DCN+19]. diversification [AD99]. divide [DH94, Jes03]. divide-and-conquer [DH94]. division [FT96]. divisor [BWY17]. DKLAG6 [CST97]. DMLPG [MS13]. document [MMBB07]. Domain [AF04, Bog00, BS91, CES91, IVA93, JM06, KG90, Kop99, KJ99, LY08, ML91, Pas91, Pav00, TMS87, AMR14, ABC18, ABG+15, BM89, BRCV09, BP90, BH12b, CG89, CM14, Chn17, CDG19, CRR03, CG16, DF11, DDZK05, De 93b, DDS89, DLH00, Dor91, Dou91, DY03, EZ98, Ewi91, FVL18, FL05, Fat12, FPPS00, Gas92, GK09, Gen10, GCP91, GHF00, Han97, Hab98, HZ09, Har98, HSS07, Jun97, Kok98, KRKB16, Kuz90, LLO8, LY09, LR00, LOM98, LS05, MS86, MH14, Mue91, Mit07, MLB97, NRWF08, NMB10, Par04, PR09, PR90, RAS99, RV04, RV05a, SH10, SWW17, Ste05b, SM89, Sut94, Tso00, WL18, Yu99, YDWW17, ZPT92, ZHL03, Zho17, Zho18]. domain-based [Har98]. domains [BN12, CL08, CM02, DS17, Dun18, FID18b, FMS18, Fer09, FL15, FBM17, gYz07, HZBM05, HP18, HY01, JT06a, KDK17, Lau17a, LHW08, MPTT17, Nke07, Pec09, Roz05, RA09, RS00, RU15, SFJ+05, SvdVd06, Tsy98, TY00, Wal00a, WS04, Yos00, Zha14, ZLK17]. dominant [DB95, SJ12]. dominated [BC08a, CP05b, GAML04, Hin95]. Döring [DS01]. Dormand [EL97]. double [ÇK13,
DS97b, GL17, MK14, MCS06, We10b].

double-diffusive [CK13]. double-sided
[GL17]. doubly [BW06, WK12]. down
[CH04]. down-dating [YK04a]. Downwind
[BW97]. Drift
[BK12, DR09a, Fou00]. drift-diffusion
[BK12, Fou00]. drift-implicit [DR09a].

driven
[AKT97, Bac18, DHM09, Guo00, HHW18,
Mik97, MS99b, RBC02, RTT01, ST19].
driving-cavity [Guo00].

driving
[CH04]. downdating [YK04a].

Downwind
[BW97]. DP
[DHS05]. drift
[BK12, DR09a, Fou00]. drift-diffusion
[BK12, Fou00]. drift-implicit [DR09a].

driving
[AKT97, Bac18, DHM09, Guo00, HHW18,
Mik97, MS99b, RBC02, RTT01, ST19].
driving-cavity [Guo00].

Drummond
[BRZ10]. dry
[BDMG12]. DtN
[CAAT16].

dry
[BDMG12].

dtN
[CAAT16].

dynamically
[Tho85, TLV92]. dynamically-adaptive
[Tho85].

Dynamical
[CLT97, Jéz04, Arn95, Bai02, BM06a,
BCF+13, CH95a, Car94, CCP04, DV95b,
Hua00, Ise94, LBCN00, MR06, Pu12,
Ram96, RW87, Sch95a]. dynamically
[Tho85, TLV92]. dynamically-adaptive
[Tho85].

Dynamics
[MOZ87, SH97, ZB07, AB12, AS00,
ADH00, Aya09, BASC17, Bac04, CKP15,
DG96, DM11b, DC18b, Elmn02, EK97, FL05,
FMP04, FJ95, Gus87, JRT90, Leo10a,
LSK15, Lub04, LS05, NRWF08, Pow94,
Pu86, Rob10, RA17, SB03, SD93, Tad86,
Tur93, VS91, VT91, ZML+12, dP96].

each
[GGG16]. early
[ZGO12, ZO14].

early
[ZGO12, ZO14]. Earth
[Nak05]. earthquake
[FKA+13].

Economical
[BM06b, CN11].

Economization
[Som86]. eddy

[BKP14, LCVG01, MS08b, RV09, Sc14].

eddy-current
[RV09]. Edge
[CS04, BG06,
CXZ09, KM95, OK98, PPS05, Son09]. edges
[JKG11].

Editorial
[Ano87b, Ano11a, Ano18g, Ano18h, GW02,
Vic05, Ano91, Ano93, Ano03e, Ano03f,
Ano04d, Ano04e, Ano04f, Ano04g, Ano04h,
Ano04j, Ano04k, Ano05d, Ano05e, 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, Ano16a, Ano16b, Ano16c,
Ano16d, Ano16e, Ano16f, Ano16g, Ano16h,
Ano16i, Ano16j, Ano16k, Ano16l, Ano17k,
Ano17a, Ano17b, Ano17c, Ano17d, Ano17e,
Ano17f, Ano17g, Ano17h, Ano17i, Ano17j,
Ano18a, Ano18b, Ano18c].

Editorial
[Ano18d, Ano18e, Ano18f, Ano18i, Ano18j,
Ano18k, Ano19a, Ano19b, Ano19c, Ano19d,
Ano19e]. EEG
[LWD+09].

Effect
[CRTU15, LR03, AD15, AM16b, ADH00,
BKM13, BS06, EK95, HD04, Spi95, dv95a].

Effective
[CG92, LH08, LNA09, AS07, BS96b, But98,
LS12, NLS18, Ron06, RT95, TSF01, Tsy96].

Effects
[BA07, FL03, KS03, vB95].

efficiency
[CG90, Fuji02, Lay09]. Efficient
[BF15, BM17b, BM15, CH01, Dhe05,
DMH18, DB08, DK14, EH06, FTB97,
HLMP09, HST14, Kwa09, LV12, LS86,
MAH18, MCS16, MR01, SS08a, WMF17,
Woz10, YK04a, YV17, ZGO12, Zou11,
de95b, AG05a, AGJ12, BD85, BM+17a,
BuG19, BS97b, BM01, BZ17b, CFX08,
CJL13, CKB13, CGPT19, CPZ17, DR09b,
DA18a, DI15, Elg17, Glz93, Glz94,
GPHAM12, HKZ08, HS86, HOS11, Hua98,
Hua17, KCY19, LWT07, LFC13, LGR02,
LRC19, LBCN00, MVVA09a, Nes16, NMB10,
Ric08, ST14b, SWR11, Wal19, YK07, Zha01.

Efficiently [BC89b]. EFG [DA16, DA18b].

EFIE [LCJQ12]. eigenbasis [GT15].
eigenfunctions [Bie12, CF18, HM09, Pru00]. eigenmodes [LLL08].
eigenprobelm [JP93]. eigenproblems [Jia00, Pet92, RA09].
eigensolvers [AG05b].
eigenvalue [NBak12, ZGL98, AGM09, ASZ18, BMV06, CF18, Con99, Ghe97, HC01, LfX15, Mat05, PV93, SLJ11, Sol15, SL01b, TM15, YLl09, YSBL14, ZBY19].
eigenvalues [An16, AT13, BC99, Bie12, BG14, BMV06, CF18, Con99, Ghe97, HC01, LfX15, Mor05, Ore93, YBL13].
eigenvector [BGO13, GGO16].
eigenvectors [HC01, LfX15].
eight [Wen98]. eighth [EL97].
eight-order [EL97].
eikonal [ACMR06].

Einstein [ZB07].

Elastic [CLP15, Abr93, AMV17, CFKSO7, Che88, DG96, DT89, FJH’01, HS07, IT07, KK06, LH11, LDIW16, LR01, LR03, RL06, RLHC19, Sim98, WQ17, XC85].
elastic-visco-plastic [HS07].
elastica [Lto17].
elasticity [BF01, BBG14, BRS05, CGS19, CHX13, De 93b, DN13, HH18, LH09, MOS12, MG00, Por17, SS99, Wan05, XZL07].
elastodynamic [DPPR16, DS15].
elastohydrodynamic [AGJ12].
elastoplasticity [BS02, SW11].
elastostatics [AOW94, FMGN94].
electric [Dav98, ESS15, GR93, LW07].
electrical [BBS11].
electricity [CGEV19].
electro [FPS15, NS16, RV09].
electromagnetostatics [RV09].
electro-mechanical [FPS15].
electro-stress [NS16].
electroelastic [MZ04].
eloencephalographic [KRBK16].
Liu09, LCLW17, LT19, LAH09, LL02, LW95, Luc95, LZY09, MD00, MK14, Mai06, MCS06, MZS10, MH16b, MD96, Mou03, MWYZ18, Mul09, Nak05, NY13, Nke07, NS16, OL18, PZX16, Pec09, PP00, PT95, QMLC15.

*element* [Ric91, Ric94, Ris05, Rob10, RV15, RX08, RBT15, RA09, SSZ16, SS00, SGS00, SD11, SD13b, SS19, SH10, SQ17, SWX00, SA00, SG07, SD09, Sol15, TLP18a, TLP18b, TN16, TW00, TM04, TM05, VO00a, VMS07, WZL13, WCSQ18, WSY18, WK00, Won08, XZW19, XL09b, XZH19, YGY15, YLL09, YS09, YY13, YSBL14, YZ19, ZL17, ZOZ09, ZC15, ZPT92, Zhe07, ZWK15, ZZ17, YSBL14, van95, BTDV10, CL11].

element-free [Li16, ZOZ09].

Element/Spectral [BTDV10].

Elements [CHM09, AW03, Arc06, BHJJ06, Ber04, Ber05, BG06, Bot97, Bra00, BL08, BH12b, CZS04, CYM09, EJS11, FM11, Fun94, HLMP09, 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, YH18]. elliptic [AyLqW18, AK09, AEMX17, AB09a, AMR14, AC16, BS14b, Bar09, BG04, BCH08, BHR05, BSZ15, BH97, CL08, Cas06, CSS87, CES91, CC04b, CZ04, CYM09, Chr12b, DDHS97, DT15, DS17, DP90, EP15, EH08, EGH01, FC98, FLR08, GSR00, GRL01, Gou06, GGR97, GFP18, Har10, HP18, HM01, HMdV03, HOS11, HISY18, JP08b, JS09, Jeo09, JK14, JCL18, KL98, KG90, Kim07, KS09a, Ksw19, KS07, LHHR94, LHH96, LH02, LMWZ10, LX09, LY03, LAH09, LL02, LP01, ML16, MM02c, NYS08, PAP17, RTV00, RTV02, Roz05, Sch10b, Sch87, SD13b, SD09, SZLI18, TL07, VO00b, VSEYD02, Wan07b, WCX09, WCV14, Wan17b, WCSQ18, War92, YGY15, YSBL14, Yos00, XYB95, ZTZ15, ZWL11, Zou10, Zou11]. elliptical [BSDG09, DSV13]. elliptical- [BSDG09].

Embedded [KNT13, BDGP06, BDP99, vR04, Kam16].

embryogenesis [MSS+15].

Emden [ER18, LO03]. emphasis [GR02]. empirical [LZZ18]. enclosed [DS17]. enclosing [DMH18]. Enclosure [RBBC85]. end [Agu15, Wel10b]. end-point [Wel10b].

dengage [WWS+93].

Engagement [Zha07].

ENo [AMR12, BL06, HS98, KS09b, SZE+92].

ENO-discretizations [HS98]. enough [Ens06]. enriched [CGRT18, WCSQ18].

ENSEMBLE [BG19].

ensemble [AB17].

ensures [Rob01].

Enthalpy [Jes85, Ros93]. entire [Des08].

entropy [CDI91, CSW19, HJP10, Tad86].

environment [GGNP02, KLS13, WG19].

environmental [DMP08].

environments [LS99a, RN04].

epidemics [HJ06].

Epitaxy [CZY18].

Epsilon [Lot19].

equalities [MMP09].

equality [LDP+14, ZP12].

Equation [Ant13, PB10, PGM86, AS11, ABJ12, ADK94, AS04, AMK18, AHO16, Ale11, AT15, ACMR06, AB10b, Ang06, AM01a, AD01a, ABR05, AR15, AP09, AM04, AED12, ADH00, AMS17, Bac17c, BF92a, BS06, BOE00, BCS17, BM01, BGT97, BCM04, BMGGG12, BN12, BM04c, BLM17a, Bh012, BDKM92, Bor02, BDN+97, Boy91a, Boy07, BFD007, BP92, BPTT15, BR97, BC97a, BB98, CGT13, CA09, CFS13, CGP15, CGP13, CM09, CD17, CCZ18, CJW18, CJL13, CJ18, Che88, CH01, CDW13, CHH15, CXZ17, CL15, CF13b, Cho13.
CCL04, CCK08, CRR03, CH89, Dav98, DS07a, Deh01, Deh05, DA16, DA17, DA19, Dek17, DS97b, Din19, DS12, Duj09, DC18b, EZ03, EVO04, EVO06, Est95, FWL18, FP02, FRJ10, Fd96, FT06, FL09, FL15, FI03, FG13, Fre98, FFQ09, GGN12, Gia12.

Equation [Guo96, GGO13, HZ09, HP14, HM15, HM17, HLT07, HS95, HW04, HJKW17, HLJ8, HvdHV10, Hor99, Hor02, HK85, HLY04, HLZ06, HS19b, HO16, Ise97, Isk98, JPP19, JR00, J¨ez99, JT18, J¨oz99, KDAK13, KBS11, KO96, Kim95, KCY19, KR15, Len00, LHW17, LCLW17, LCL18, LP01, LMWZ07, LZY09, Lyu99, Ma03, MZZ17, MP09, MB10, MPT77, MA09, MP11, Mar93, MVVA09a, MG97, MYS17, Moe98, Mule, Ng95, NSCC19, NMB10, OMP98, OL18, PR89, Pan92, PR90, Ph91, RZ18, Ric94, Rob01, RT14, RMM09, RS00, SS08a, SC19, SS94a, SL17, SY18, SJ18, Sim91, SG09, S17, SDF15, SA18, SL15, SG92.

Equation [Su94, SWR11, SW17, SZW19, TN16, TMD92, Tar98, TOD11, Tia15, Tum97, Van92, Vas17, jWyG08, WL10, WN12, WZ13, jWj17, Wan17a, WQ17, WH18, WMLB19, WC14, WW14, WS04, XC85, YJZ18, YZZ18, ZZ18, ZWH17, ZHZ18, ZVI18, ZZ17, ZZC18, ZXW17, ZR15, dVA02, iV9].

Equation-based [PB10]. Equations [BGHR12, BHG+15, CP09, Jac87, Pet94, Rei85, ST86, AS13, ALMM96, ALMM98, Abu04, AQS94, AB88, AMT13, AK90, ADR17, AM99, AM00, ACM08, AHR12, AX19, AT93, AAM03, AB07, AL17, AW03, ABF09, AR18, AF99, Arn93, ARS97, ALF+96, AAD14, AD18a, AD18b, AM10b, AFF+15, AO91, AV00, BSGU94, Bac16, Bac17b, BHJ05, BHHJ06, BKM95, BBPR05, BPF06a, BL05, BKM13, BLW07, BES18, BKP09, BF17, BJ05, BGS06, BLY17, BRSD91, Beh97, BZ92, Be97, BO04, By01, BB15, BHSW16, BG11b, BGGG13, BF92b, BW95, BG02a, BZ17a, BCC16, BG03, BLN17b, Bla01, BC01, BRTV18, BDFV95, Bog16, Bok03, BV09, BF09, BBLT15, BJ11, BHI13, BC03, BTV10, BV10, BVRB14, BRBB18, BS10, BMPR15, BM18, Bre06, BS93, BS08, BK12, Brun92, Brun97].

Equations [BM97b, BM97a, Brun07, BL06, Buc06, BHY15, BDM03, Bir12, Bir13, BCS06, BC99b, BB96, But92, BC95, BJ96, BJ98, Cah92, CFXZ06, CXNF14, CLT97, CC18, CGEV19, CdF01, CC90, CGA96, CL01a, CP04, CLX07, Caol0, CHZ14, CCP17, CD17, CP19, CKPS15, CD95, CSS78, CM12, Cha98, CJ90, CT93, CH10, CL, CX09, CZ12, CL14, CSXL14, CH15, CL15, CS90, CL01a, CR15, Ch12, Ch93, CL18, CBD16, CK13, CJC99, CY05, Cod08, CNS00, CP17, CST97, CN11, CN15, CCM17, CG14, CP03b, C95, DT15, DD97, DS17, DG10, DS05, DR99b, DA18a, DM11, DJ10, DY09, DM09b, DZ12b, Den15, DFLM19, Den93, Der92, DM11a, DCC14, DS97a, Die15, DLVP17, Dob05, DBBH14, DLM04, DGRS09, DSSC13, DC09, Don01].

Equations [DJL04, DS01, EAV16, Ehr08, ELCWS98, ESEK10, ER18, EV06, ELE20, EGL09, EMM01, EH97, Enr06, EK06, EH09, FID18a, FS94, FS15, FSM18, FMMK01, FD16, Fan11, FL93, FJ97, Fel06, FNT06, FCX06, Fer09, FPR12, FJP17, FR18, FV87, FJ95, FS99, Fre04, FSWZ19, Fuh01, Fm04, Gan09, Ga96, GS99a, GX11, GLL14, GM16, Ga96, GG19, Go86, GLM09, GM17, GKA17, GGS16, Gug05, GGRN17, GN86, GS94, Guo00, yGQW10, GWH07, yGyZ07, yGyP09, Guo15, Guo01, HGP11, HP85, HN03, HM87, Han93, HZBM05, HO10, HP18, HHT97, HJ05, HLR08, HCC08, H08, HS86, HEG16,
equations
[IM98, Iga85, ID19, Ise02, ITZ17, IRC12, IJ17a, Jac93, JZ95, JZV96, JZV97, JZK06, JMS99, JKW12, Jes85, JW01, JEG10, JCN94, Joh01, JMY10, JT06a, Jun06, JT02, K96, KV07, Kan89, KIX91, KXK92, KNN03, KO08, KPY15, KSO0, KT05, KV95, KK11, Kau93, Kau97, KM16, Kel85, KCL00, KC03, KC19, KOR18, KO92, KF97, KS02, KLY05, KS08, KS07, KST13, KSSS16, KCW16, Koz94, KCB02, K15, K18, KN93, KLSW10, KKR15, LH11, LHHR94, Lan95, Lan97, LP05, L15, Lay09, LT12, LS16, LHS00, LPZ00, LH02, Li05, LH08, LY90, Li11, LA11, LZ14, LZ17, L1F17, LCS19, LSL11, LS12, LW17, LZW19, Lie01, LK07, LMSW17, LS13, LY16, LW92a, LW09b, LW07, Liu09, LZ14, LYK17, LLD18, LLZ19, LTT19, LNZ12, LR00, LO95].
equations
[LO96, LS98, LRE04, MM00, MM18, MAH18, Maj14, MO17, MS19, ML16, MS08a, Man96, Man97, MCS16, MAR99a, MVVA09b, Mår95, MZK05, Med96, MT06, MV17, MG18, Mie89, MOU14, MM02c, MD10, M19, MH16b, Mok17, MP94, MN08, MRFF17, MWY18, NK11, NMKE13, NLS18, NT92, Ngu15, NT16, Nko07, Nor97, Odi19, Oji88, Olv92, OT02, OS12, PM05, Pas91, PM91, PT11, PTV16, PD01, PA18, Pet00, PP92, PH17, PAJ12, Pot97, Pow94, PM14, PG02, Puls05, Pul09, PSL18, QL17, Q10, QM0, QR03, QMCL15, QAX17, Rab94, RZ00, ROB17, RA05, RR14, RG05, RV05a, RF16, RA03, RT00, RT02, Ric91, Rii92, RS08b, RLSS06, RAO18, RK01, Rog91, RSK14, Roz05, RT95, SST12, SSZ16, SA90, San89, Sar05, SH09, SSKBA08]. equations
[SA12a, SS99, Sch98, SZ09, Sch87, Sch95b, Sea09, SB14, SD11, SD13b, SG06, SH10, SV00, She96, She00, SY05, SY07, tSqWyG16, SZ12, SWW16, SZ17, SVB17, Sid02, SG07, uIVS13, SS16, SS13a, SvdHN86, ScvdH92, SW13, Sp97, SMA01, STS00, SCT05, SW12, Sti03, Str98a, SG05, SBG09, SS12, SWW11, SLZ10, SG17, Tad86, Tah96, Tan93, gTpM07, TX8, TH18, Tan09, TJ01, Tem15, Tho85, TLY92, TB01, TY17, TZA13, Tom04, TH09, TDP17, TLS09, TV91, Tro93, Tro96, Tsy96, TY98, UNGD08, VG04, VA05, VB07, VBD93, VV09, Van00, VK17, VCC12, Ver96b, Vic87b, VL19, WGV12, Van01, WY02, WZL08, WLG0b, WG10, WC11, WWX13, WZL13, WCW14, WGW15, WZ16, WMF17, WL18, WSY18, WY12, Wei99, WYL11, WB92a, WB92b, WB03, WPL16].
equations
[SWS97, WG11, WdG92, XFC00, XL09a, XZW19, XL11, YXT17, YH00, YS09, Yan18, YZH19a, YT00, YC13, YXB95, YLS+09, YDWW17, Zbl03, Zha19a, ZG99b, ZH09, ZC10, ZC13, ZFZ19, ZZW17, Zbl01, ZFZ17, ZLX19, ZS14, ZF97, ZP98, ZS09, ZCSH11a, ZCSH11b, ZGDL17, ZC99, ZAB15, Zou10, ZK00, Ziu95, dAF17, dH95, dDF+94, de 92b, dG91, de 93a, dPT96, dHV13, in 92, in 95, in 96, iW07, iW09, IM13, tV87, vSW90, van96, vS97, vvd97, vdHSW98, vdVS08, CPD12, RMM12].
equidirectional [BKR13]. equidistant [BKR13]. equidistributed [BKR13]. equidistributed [Bec18, DS97b]. equidistributed [BM00]. equidistributed [BM01]. equilibrated [Yi12]. equilibria [Eir99, GPHA06, Sch02]. equilibria [DGM18, DJL04, ITZ17]. equilibrated [Yi12]. equilibria [Eir99, GPHA06, Sch02]. equilibria [DGM18, DJL04, ITZ17]. equispaced [BS09]. equivalence [BC89a, LLD18]. equivalent [PSP04b, RMM04]. ERES [CKM10]. ERKN [WWX13]. Ernst [CHM09]. Errata [Tsy96]. Erratum [Kni95, ZCSH11a]. Error [AK94, AL17, AD01a, AD01b, BS06, Bjo2, Bel91, BCP94, BCJ18, CLY19, CCL0, CL08, Coo09, DA19, DM11a, DHM09, GGM95, Hig93a, Kre07, LL98, Li16, LYF17, LZ18,
LW92a, LT01, OL18, OS12, PD01, Rei85, RL06, Sch16b, SW11, SS94b, SZ12, SG07, Spi96, SWCH15, Ton04, jWqW09, WWX13, Wan17b, XZ19, YY18, Zhe07, Zup04, AQL18, AW14, AC15, AOW94, AGP97, AKT97, AGJM04, AR18, AB12b, AP08, AM16a, AAD14, AFF+15, BLS04, Bac14, Bac16, Bac17a, BB19, Bn97, Bn10, BC01, BC04a, BL17a, BC04b, Bn10, BC04b, BRVC09, BC04a, BL17a, BC01, Bor97, BHR05, BGP11, Boy15, BM06b, Bur12, BUR12, CP04, CL06, CDGA17, Cha17, CMP03, CCR17a, CCK10, CH89, CY05, CDF19, DHH17, DPP12, DAM07, DA18b, Dek17, DM09b, Dol14, Dra97.

**error**

[Dun18, EFLFP09, Fac03, FHM+02, FV85, Fdi96, Fel06, FH10, FM11, GM11, GMS12, Goo90, GHT05, GGRN17, Han93, HOS11, HLMKZ06, HJ17, HJL18, HLY04, HLZ06, Ht18, HM17, HMW05, Ito17, JR02, Job1, JM94, KDT17, Kim07, Kim12, KS89, KMS10, Kwe00, Kwe03, LCHR03, LSK12, LZ14, LX09, Ltr09, LO06, Lys12, MS10, M004, Neu88, NY13, OZ96, PH17, Roz05, SZ09, SS19, Sim94b, The17, TLL09, TM04, TM05, Val19, VH13, WG19, WKP12, Wei18, XL11, Ym18, YSBL14, YL12, ZC15, ZZHS18, ZYS17, ZH07, ZWX17, Zou10, Zou11, Zup03, de92a],

**error-based** [Moo04]. **error-minimizing** [Bor97].

**errors**

[AC96, ACM91, BMGM12, BS96, Bor10, HH95, KRBK16, MKH16, RB12, Skl14].

**ESDIRK** [Ran15]. **ESIRK** [BC98].

**ESPRIT** [PT15]. **essential** [GS15b, jWqW09, LiYqW12]. **essentially** [DSZ15b, DSZ15a, HOEC86]. **estimate** [AA14, AC15, B191, BG11, CP04, Cha17, DA18b, FP02, HJ17, HJL18, IT01, Kwe03, Zho17].

**Estimates** [BG02a, Dun18, AGM909, AW14, ADK94, AD01b, AP08, ABC18, AV91, Bac14, Bac16, Bac17a, BTBR19, BS06, Ban97, BS14b, BJ02, BC17, BC01, BC04b, BG06, BM06b, CL06, CMP03, CLY19, CC08, DDP12, Dek17, DM09b, DM11a, Dol14, DM09, FH17, FM11, GGM95, GGO16, GGRN17, HLY04, HLZ06, HMW05, Job01, JM94, KPY15, KL04, Kwe07, Kwe00, LCHR03, LL08, LM10, LZ14, Li16, LF17, LZ18, LY03, LO95, LO96, NY13, PD01, RL06, SL01, SS07, Spi93, SWCH15, TM04, TM05, WH13, XL11, YSBL14, ZMC13, ZC15, ZZHS18, ZYS17, ZWX17, Zou10, Zou11, Zup03, Zup04]. **estimating** [KK17, YK07].

**Estimation** [BCMV03, Fj09, Rei85, RVdCVR02, AOW94, An16, AS15, AM03, AB12b, BS94, BGO13, BD17, BHR05, BP09, BP06b, CD17, CCG17a, DDD17, DFM07, DFM08, DL09, EFL17, FH10, FM11, GGM95, GGO16, GGRN17, HLY04, HLZ06, HMW05, JO04, OZ96, T15, WE18, YV17].

**estimations** [AM16a, Fdi96]. **Estimator** [AFLP12, AKT97, AR18, BKS07, Buir12, HOS11, LS12, SO99, Wal19].

**estimators** [AFF+15, BB14, Kim07, SS00, Y112].

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

**Euler** [ALMM01, BRSM91, Bor10, BW15, BC113, Boy91b, CH1909, DL04, DGRS09, Fel06, Fre04, GLMY17, GLM18, HN03, HS86, JW12, J17, JZ15, KWW10, K09, LW07, LDL18, PP09, PM14, RZ00, RA03, San02, SAMA01, WC11, WMC09, V97].

**Euler-accelerated** [Boy91b]. **Euler-flow** [Kor95].

**Eulerian** [KCC04, RVD00, S09].

**European** [CPOGO17, itHT17]. **evaluate** [CPD+05, LL15].

**Evaluating** [EC07, ACM09, BV09]. **Evaluation** [BO87, BP02, BK06, BZ17b, DFC09, EWC17, JLB11, LS16, NMR12, Pe15, ST14b, SGN08].

**evaluations** [Dah02]. **Even** [AS05, BCC16, BTBV87, tV87]. **event** [Aca12].

**evolution** [AHO16, BG02a, CLT97, CFKS07, CNS00, DA17, EH91, H915, HO10, KNT13, LT12, LMW07, MQO17, M17, MS99b, OS12, PCC00, RT14, SG92, T96, XL11].
evolutionary [BJ01, CJLS98, CG14, Gar96, PM91, Zeg97]. evolving [FM07]. Ewald [HNP17]. Exact [CH15, FJ09, Ise97, AB10a, AW14, FV87, GHKM09, HH98, Hag15, LA12, SL17]. exactness [Mil17, Yi12]. examination [Sch98]. example [QM03, Ran15, Ran16, VVR08]. Examples [CH15, FJ09, Ise97, AB10a, AW14, FV87, GHKM09, HH98, Hag15, LA12, SL17]. existing [CZY08]. exotic [DLM16]. expanded [HCY18]. Expanding [HW93]. expansion [Boy07, CKK10, Fei06, GGS16, Han03, Hig93b, HH10b, LX09, NS13, Wal09, WE99, Zan01]. expansions [AR93, Bor10, CMJ88, DC09, Har00, KM17, KP92, LC99, Mac92, Mie89, ZO14]. experience [Hey95, SD93, ZH02]. experiences [BSFDM02, HvdHV10]. Experiment [TYKK01a]. Experiment-based [TYKK01a]. experimental [Aya09, FHM’02, KKN+13, KKN+17, SA08]. Experiments [BH85, HG98, Sch99, Ste97, BG11c, CFKS07, JMD06, PWS98, SY03, SH02, SG92, TOD11, VP91]. Explicit [AM99, Cha98, CS03, Con01, DM11b, DGM18, HLR01, Noo95, Rie91, Som93, VS95, Ver96b, WVB98, AS04, ARS97, BC08a, Bos09, BCP18, BH93, Bur85, BB96, BW03, CH95b, CMRV11, CZ97, CCG13, CV95, FW07, FW08, FWL18, FD97, FHV97, GM16, Gje07, HS09a, Hoa15, HZ02, HJ03, JJ17b, KKT16, KKP07, KLM99, KMM16, KW98, LQ17, MOU14, NMKE13, OLv92, Ost93, Ric94, SWJ09, SG96, SV00, uWS13, Som86, SS09, Tso1, Ver96a, VBH96, WW1X13, WKP12, WG11, WD9G2, ZO16, in 02, vSW90]. explicit-extended [KSM16]. explicit-implicit [WdG92].

exploding [NMKE13]. Exploiting [GV04]. Exploring [Her91]. Exponentially [CGP15, Duj09, HO05, QR03, RK08, TGB08, WEA12, ABK12, AB14, ACM09, AEF+14, BP12b, Bor10, CO99, CL07, CS17, Har00, Has13, KNT13, LY10, LAL14, LT19, Lu17, MS99a, SW09b, TN16, WPS18, ZZO16, dC18a]. Exponentially [BO11, VV05, VV09, Zar17, AW03, CDP17, GS94, VV07]. Exponentially-convergent [BO11]. Exponentially-fitted [VV09, VV07]. exponents [BH07, DV95b]. expression [Pre90]. Extended [Hey10, KCI03, SV00, Sim10, WX06, Bar05, BL86, BT97c, CL85, CZ12, KD13, KSM16, K17, LZ18, Sim93, YT03, ZH09, van86a, OR18, CLR11]. Extending [AM17]. extension [AGM09, AKF92, EL97, Ha97, HZ02, Lot19, MST09, TM05, Ye04]. Extensions [BRZ10, AF502, BS05, CW98, VZ93]. exterior [BM13, EL12, FL15, G006, Har98, HK85, Ltau17a, MM02b, RS00, Zhe07]. extracted [Dah02]. extrapolated [Cao98a, SW03]. Extrapolation [BZ94a, Bre96, CM00, WC02, Br95, BZ91, DSS15, FS88a, GG95, GC15, HN03, JM16, LD97, LX09, LL02, NS03, Nor97, Nor99, Now96, Rha97, SMN04, Sid90, VVR08, Wan07a, Wen10a, YBL13]. extrapolations [Cha96, CHH15, HLL09]. Extremal [DIR13]. Eyring [PT90].

Fabrizio [LIPT18]. FAC [MMT90]. facilities [TER03]. facing [CHK99]. factor [BDOG19, Mar09, RP17, SCT05]. factored [WZ02]. factorial [Bor10, Wen10b]. factorially [BW15]. Factorizable [Sid02]. Factorization [vdHS01, BD85, BCSH16, CG05, ELvdHS98, GV02, Guo96, LM17, LDP+14, Not99, ST09b, SHG86, SYW18, GPHA16]. factorizations [BLM17b, Doi91, For02, Gu01, Mag91, Not92]. factors [CGEV19]. Failure [Gar92, KN08]. failure-prone
finite [Joh01, Jor11, Kal96, Kam16, KDAK13, KT05, Kat99, Kie17, KF97, Kim12, Kop89, KJ99, KOF02, Kos12, KDK17, KN93, KX03, Kwe01, Kwe03, LHC09, Lam13, LP79, LM00, LCHR03, LWD09, Li98, Li00a, Li01a, LY08, LHH08, LHS09, LMWz10, LA11, Li12, LH17, LR18a, LR18b, LLHC18, LZW19, LX09, Lin10, LLS96, Lin09, LCLW17, LCL18, LT19, LAH09, LLO2, LW95, LP01, Luc95, LZY09, Lyn09, MDP10, MD00, MK14, MA09, MP11, MS08a, ML91, MZS10, Mar99b, MM14, MR94, MM02b, MVG14, Mic03, MOU14, MD96, MdD04, Mou03, MWYJ18, Mul99, Nak05, NY93, Nke07, NS16, PZMX16, Pic05, Pir90, QMLC15, Ric91, Ric94, RVD00, Ris05, RBT15, Ru07, SS16, SS00, SgS00, SD11, SD13b, SS19, SH10, SQ17, SWX00, SG16, SG07, SDK15, SL15, SMA01, Str98b].

finite-conductivity [SH91, SLZ10, SN04, SGN06, SGN08, TLP18a, TLP18b, TN16, Tan93, TYKK01b, Tol04, TH09, TK15, Tro96, TM04, TM05, TMM15, Ven15, VMS07, WL09b, WZL13, Wan17b, WCSQ18, WL18, Won08, XZW19, XL09b, XZH19, YLO9, YS09, YY13, YBL13, YSL14, YW19, Yi12, YZ19, Zeg97, Z17, Zha09, ZCZ15, Zhc07, ZZ17, ZL17, Zho17, ZZC18, Zou10, iv09, van95, BS14a, BGP11].

finite-difference [AAI93, CCG13, CGA93, CMCGTR02, DS15, HZ90, KT05, MPU0, Mic03, MdD04, Ru07, SDK15, SMA01].

finite-dimensional [KF97]. finite-element [GGRN17, Mul99, Nak05]. finite-length [SH01]. finite-part [loa89]. finite-type [Mar99b]. finite-volume [BP97, DT10, Klv96, RVD00, Tol04]. First [HS17, HvdHV10, ACMR06, AL17, BC01, Boy07, Bru97, BMM97a, CHH15, CS09, HP85, HLL09, IT16, JJ94, KM19, KLY05, KW10, Mdo04, PC17, gTpM07, Wu09, Xu16, ZL18b, Zha19b]. first-order [AL17, HP85, JJ94, KLY05, PCR17, gTpM07]. Fisher [BFdO07, LZ18, jWJ17]. fit [Mon09]. Fitted [TMS87, AW03, AHS03, CDP17, FW08, GS94, HS09a, Hoa15, Li19, NS16, Pat00, VV05, VV07, VV09, YW08]. fitting [AN15, KDAK13, PS02, PS03]. five [IMM04, MI03]. five-axis [IMM04, MI03]. fixed [Grl91, HS95, RV05b, SL08, Tow16, Wai98, WYP12, YP18a, YP18b]. fixed-point [WYP12, YP18a, YP18b]. flame [RAS99, RSL89, Son91]. flat [Nak05]. flexible [HP15, LDIW16]. Floater [CHS17]. floating [Ske99]. floating-point [Ske99]. flocculated [BBCS05]. flood [CCM17]. Flow [BW86, PP00, PGM86, AH09, ASZ15, AKT97, BDMG12, BS17, BJ00, BL08, Cai15, CML05, CRTU15, DZ12a, DM09a, Duf90, ER07, EJ01, Ewi91, EWW99, FMW18, FL01a, FLL11, GM08, GMZ08, GM10, Gar92, GHK16, Gat91, GOF03, GJR03, HJ09, HGW16, HST14, KHA12, KSMM16, KH91, Kor95, LCT03, LC02, LMS08, MD00, MM07, Min04, Ntu03, Obe15, PT09, PK91, PC17, RR00, RVD00, RZ15, RBC02, Sch16a, SQ17, SG16, SZE92, Shy86, Sid02, SY08, SH91, SW05, TYKK01a, TYKK01b, TOCV02, TC03, VO00a, Zan91, ZOSZ93, ZYS17, ZQKL11, ZS18, dR03, vHVW01]. Flows [CF86, Mac86, hYK86, BL91, BC04b, BBL02, BS08, CIZ96, CHPV09, CCLT10, CHK99, Din93, DQ02, DdCVR03, DH15, EH07a, EAS12, EL01, Fa00, FPRA09, GP00, Gla93, Gla94, HH10b, JN07, KMR09, Kar98, Kwe00, LDIW16, LTO0, LB78, LP97, MUR15, NC16, PBC08, QW04, RCG08, TLP18a, TLP18b, TER03, TKN11, Tur86, XLK07]. Flowsheet [Bie87]. Fluid [CFX06, CFX08, CL09, DJL04, Elm02, Ewi91, FMP04, FLL11, GMM09, Gat91, GS18, GJR03, HT00, HGW16, JRT10, LCT03, LK07, MP05, Mat08, MRO1, NC16,
Nür09, PT09, Pul86, RDH+12, Sid02, SD93, SM89, Tow16, Tur86, Tur93, VS91, VT91, Wu09, ZOZ09, ZYS17, dPT96, bVbdZdBo8.

fluid-dynamics [dPT96]. fluid-particle [Tow16]. fluid-structure [GS18, MR01, RDH+12]. fluids [Ari04, Bir87, CMP06, FPRA09, Kie17, QR03].

Flux [FM07, Kim12, AKG14, Glä94, HSS07, JK14, Kni94, Kni95, Nor99, RÖS818, RA03, Tor06].

Flux-based [FM07]. flux-extrapolation [Nor99]. flux-splitting [RA03].

fly [BMR+17a]. Fok [NT16]. Fokas [AC16].


force-gradient [Kie15]. forced [CFC03, LBCN00]. forces [Sch16a].

forcing [HW04, Zan91]. forecasting [RW87]. foreign [BDOG19].

foreword [FJ92, IN01, Vic87a]. formula [DhW09, Kza99, SHA12].

form [Boy06, EK97, JBLC11, Kam00, MN03, PWS06, Rec03, Sim93]. formal [CAAT16, Mur99a, Mur99b, WB90]. forms [BS14a, Beg00, CJC90, Eir95, SA03, S0T99, Zan91].

formula [DhW09, Kza99, SHA12].

formulation [AA87, AF502, BC02, BK17, BRS05, BSQ96].

formulations [CDG19, LRS09, LLL08, SM13, WK00].

Fortran [GBD97]. forward [Fre98, JMC94, MJ113]. found [Du90].

four [BLY17, CPD+05, WBCK02]. four-center [CPD+05]. four-field [BLY17]. four-stage [WBCK02].

Fourier [ST14b, BH96, CJCW18, CPPO017, DM09b, FFQ99, GANT02, HM15, HM17, Lyo12, MM07, Moc95c, Nke07, RGL16, RO16, She00, WZL13, WMF17, YR09, ZO14].

Fourier-finite-element [Nke07]. Fourierization [SW07]. Fourth [BM06a, CHSS01, EH09, GX11, Lua17, YT00, BTTB19, CES91, DhW09, DZ12b, Den15, DB08, yGQW52005, Kat89, KZ13, PZM16, PGBD808, RZ18, Rog19, Ven15, Wan07b, Wan17b, Wen98, WYP12, Zha14, BGH+15].

Fourth [BM06a, CHSS01]. fractional [GBDB97]. forward [Fre98, JM94, MII13].

found [Duf90].

four-center [CPD+05]. four-field [BLY17]. four-stage [WBCK02]. Fourier [ST14b, BH96, CJCW18, CPPO017, DM09b, FFQ99, GANT02, HM15, HM17, Lyo12, MM07, Moc95c, Nke07, RGL16, RO16, She00, WZL13, WMF17, YR09, ZO14].

Fourier-finite-element [Nke07]. Fourierization [SW07]. Fourth [BM06a, CHSS01]. fractional [GBDB97]. forward [Fre98, JM94, MII13].

found [Duf90].

four-center [CPD+05]. four-field [BLY17]. four-stage [WBCK02].
freed [AMH03, BSV09, BM06a, CDV00, DA16, DA18b, DA19, DN13, EH06, FPRA09, Fuj99, HZ12, HLIS16, Ito17, Li16, LMSW17, LR87, LYOI99, MNR14, Mat08, MP15, MWYZ18, NW09, Pas91, SW95b, Ver93, Xlk07, ZG92b, ZOZ09, ZFZ19].

freedom [Mau08].

frequency [BvG19, HM86, KKN17, KCW16, LT07, LCJQ12, Par14, PG02, Pul05, WWX13].

friction [BBD18, Gwi09, KPR06, Por17, QMLC15, QAMX17].

frictionless [Ahn07].

friendly [TS06].

Frobenius [Gab02, MdR05].

frog [TH18].

front [Gro94, SW86].

Fronts [SM13].

Full [Spi00, Ben02, Mit97, SH10, XZZL15].

Full-FAS [Spi00].

full-Newton [XZZL15].

fully [CPR93, ER07, FID18a, Gom06, Wan17a, AGJ12, ALM04, BKM13, CL01b, DS17, DL16, Guo15, Kni94, Kni95, Lan95, LR18b, Now96, PD01, Rog19, zSW06, jWj17, ZQY18, vSK97].

fully-coupled [AGJ12].

Fully-geometric [Wan17a].

Function [MRF00, AQJ18, Boy15, BRZ17, BP95, GS17, HSS07, JD09, KKT16, KAS17, LN08, Man96, NRZ12, Pre10, RS09, Sar05, SB18, SJ11, uIVS13, SS09, SW19, Sus10, Sza94, Ver93, WL09c].

Functional [BNH01, Jac87, BKM95, BBPR05, BCC16, Bru07, Buc06, Cah92, CST97, CH90, FT06, GM08, JL91, KO92, Li05, LZ17, NT92, Par14, PH17, RAOC18, tsQwYg16, Wan17a, WYL11, ZK00].

functional-differential [CST97, JL91].

Functionally [HS09a, Hoa15].

Functionally-fitted [Hoa15].

functionals [BRRS15, LS86].

functions [AG05a, AMCM09, AGY08, ACM09, AD18a, Beh93, BO11, BG11c, BE99, CMP15, CFV10, CPD*05, CJM88, Coo89, CPZ17, Dar90, DW00, Dés08, DmgV05, Die15, Dra97, GFB99, Gill10, GK93, GP04, GPPO4, GP17, GGS04, yGyZ07, GSW09, HZ96, Iva07, Jac88, Jad94, JZJ10, JM05, Jun07, JGK11, KCS07, Kza92, DLM16, Luo18, Mac92, MD06, MS19, MCS16, Mar94, NLS18, NSCC19, Nov03, PGS10, Pas91, ROB17, Sad96, Sad97, Sch08a, SW09b, SS10, TLSS09, Uty08, WZ14, War92, XB14, ZDM18, ZT06, Zha07, ZHL03].

Fundamental [Lyn92, AMV17, GJR03, KJL12, LLHC17, LWH19].

furnace [BGM*09].

Further [CH95b, NN13, ABFV09].

Future [Bie87, Son00].

Fuzzy [PCG01].

FVEG [LMWZ07].

G [BrTBV87].

Galerkin [ADSS17, BBRS97, Cas06, DM09a, MS13, ABJ12, AW14, AD08, An16, ASZ18, Ant13, AFS11, AD18b, AMS17, AV00, Bac14, Bac16, Bacia17a, Bacia17b, Bacia18, BTBR19, BBV13, Bec18, BT14, BN06, BTP96, Bus06, CGJ16, CGRT18, CK98, CCK08, Cui95, DA16, DA18b, DA19, DGN12, DN13, DB08, DMR18, DL16, EAS12, FD16, Fat10, Fra16, FJ95, Fre98, GM18, GHH09, GT93a, GJVO8, HLMP09, HMP14, HJL18, HHS19, HST14, ID19, JRT90, Kam16, KDT17, KNN03, KPY15, KSMMM16, KwS19, KWLK00, KXR+04, KQ13a, KQ13b, Kwa09, LH11, LPT94, LH02, Li02, Lz14, Li16, LHW17, LT01, LS07b, LYK17, LNZ12, LMWZ07, MQO17, Mai06, MWY18, Mus11, Por17, PCRR17, RP17, Sac93, SC19, SZ09, SW07, wSJP15, SZL18, SW05, SvdVvd06].

Galerkin [SW05, Tem15, Wal19, MWY00, WMLB19, Won08, XZW19, XF06, YZ17, ZOZ09, ZY14, ZFZ19, ZZ17, ZZC+18, ZX14, vr04, vdVS08].

Galerkin-characteristic [EAS12].

Galerkin-finite [DL16].

Galerkin-multigrid [CK98].

Galerkin-spectral [LT01].

game [FVGS13].

gap [BG06].

Gargantini [CP94].

gas [EWW99, Gla94, LK07, MRS03, Pow94],
Tad86]. gases [CCP04, CS01]. gauge [Cau08].

Gauss
[KK09b, SLW17, BLS+17, CG13, DBBH14, ELR+15, GP93, GY94, yGpY99, Has08, Has09, KS09c, Kza99, Lab09, MSP10, OL18, The17, VV05, Wel10a, Wel10b, CKB12].

Gaussian [AT13, Boy15, CBHY11, GY94, HH18, Ioa89, Kza92, ST19, SdSC99].

Gaussian-localized [Boy15].

Gautschi [KR15].

GB [RMS17].

GB-splines [RMS17].

GCD [CKM10].

GCV [Baz03].

GDE [DS07a].

GDN [ZZL01].

GDN-stability [ZZL01].

Gegenbauer [By01, DSM11, Elg17, ER18, Has08].

General [BBO03, BB98, But85, CJM88, LHHR94, Zla85a, AH11, AR93, AA87, But85, CE04, BCJW17, BCJP18, BCSH16, Buc17, Bur91, BC95, BJ96, BS00b, BW03, BP06b, BD17, CJIJ17, CY98, CMR12, CST18, CMCGTR02, Dav98, DS07a, EG88, FW07, Fdi97b, FS05, Gan96, GM16, GP17, HH10a, HZ02, HX03, Leo10b, Li05, MAH18, Mtr98, SA90, Sch12, Wal00b, XFLC00, YH00, Zha00, ZT06].

Generalisations [RS08a].

Generalisation [BKR13, BHHS10, CGA96].

Genera [Bak86, Eis86, QM03, Ari03, AD04, BBV13, Bak89, BSFDM02, BS00a, Bok03, CM02, CM04, DH94, EM05a, EM05b, Mi03, MCE+09, PR12, SFJ+05, SYG+05, Son00, Spi99, Spi00, YC00].

Generators [GP04].

Geophysical [Per88, NC16].

Geostrophic [WZL13], Germany [vdHSW98].

Gersgorin [CP10].

GHDMP [TD09].

Ghost [CFX08, LK07, CFXZ06].

Gibbs [Jun07].

Gilbert [BS06].

Ginzburg [LHW17].

Global [FJ95, JMS99, LY01, LH02, PGP03, SW09a, SX09, BRRS15, Car94, CN11, EAV16, FSB97, HdsRI17, JEG10, KP18, LS10, LMS08, WKM04, WKP12, dv95a].

global-local [FSB97].

Glaxo [dv95a, van95].

GMRM [AB07, BF95, KKK+13, KKN+17, MK13, DG04, ZF19].

Glow [FMSV07].

Glow-plug [FMSV07].

Glucose [MLK06].

Glucose-insulin [MLK06].

Godunov [KMR09, LE94, Mat05, SW86].

Godunov-inverse [Mat05].

Goldstein [LLY11].

Good [Zup03, EZ03, ZWH+17].

Gordon [KCY19, Bac17c, CH89, DC18b, HZ09, Lyn99, SLW17].

Governed [CLY19, HL19, LY03, XL11, YC16].

GP [GPP04].

GPBiCG [AS13, Fuji02].

GPST [Che88, CZ90].

GPUs [CP17].

Grad [BVV09, MV18].

Grad [Wu09].

Graded [BLM17a, DL06, Mai09, YZ17, YZ19, Zar17].
gradient
[BSGU94, BGH08, CHSS01, CR05, CCL04, DW00, DW15, EAS12, EGH01, GM08, GO18, GR02, HYY91, HS97, Kie15, KLS13, Pfl08, San03, SW95d, Yu08, YLS+09, vdES04].
gradient-boundary [BGH08].
gradual [AGJM04, Ren13, SB18].
Grads [FT06].
Grail [Bur93b].
granular [BBL02, TSFB01].
Graph [BT94, Gar03, GM17].
Graphics [CB99, Zar99].
Graphics/Cray [CB99].
graphs [BDFK95, DE06, Obe15].
Gratings [NT16, Rat13].
gravitational [Lei02].
gravity [AD15, GD09, HD88, NC16].
greatest [BWY17].
greedy [DE18].
Green [Arc06, CA15, DL16].
Green-Naghdi [DL16].
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, HS96, HCY18, HL19, HJYL19, HY01, HCC16, IM00, Jun97, Nhu94, KMM95, LKV01, LHI11, LY099, LE94, MMT90, MR94, MT05, NN13, 0Z96, QLL+08, Qui96, Ram94, Shy96, Shy91a, Shy91b, Spi99, Spi00, Towl16, Tro93, TY00, VRT93, WAG98, WSS97, YC00, ZTZ15, ZHS18, ZBY19, ZC92].
grid-based [LYOI99].
grid-orientation [ACM91].
Grids
[SM85, AG05a, ASC01, ASC03, AP909, Bac17c, BKP09, BM00, BCP04, BS94b, BS96a, BTDV10, CGCMTR02, Chn03, CS18, DF11, DT10, DGD03, DSSC13, EL94, FD16, FS88b, Fre04, GGLR09, HP97, HZ02, HS97, Im000, JTB15, Kaf96, KWL00, KTS03, Koz94, KKE16, KQ13b, LRC19, Lin01, MRF00, MS90, Mit97, MKS12, PRGO16, PC00, RGL16, Rus95, Ste05b, SN04, SGN06, Th05, Tol04, TJ12, VL08, Vic87b, VT91, Zha09, ZML+12, dAF17, dVA02, IV09].
gridsize [Hol01].
groundwater [DMQ02].
group [BK17].
groups [LP00, MA09, WKS12, WC02].
growth
[CL02a, CL02b, HZ96, JK17, LBLT13, RA17].
Gründwald [CHS19].
Guaranteed [ZCZ15].
guess [Boy07].
H
[BrTBV87, BFP11, Hu08, Reo03, Zho18].
H-form [Reo03].
Haar [LS16].
Hadamard [AC10, DO17a, KS10, WWL08].
Hagen [MM07].
Hahn [BMP15].
Hakopian [SL17].
half [Abr93, AHO16, BH93, BT00, GKM09, IV16, KM19, Ost93].
half-axis [GKM09].
half-block [BT00].
half-explicit [BH93, Ost93].
half-line [AHO16].
half-space [IV16].
half-spaces [Abr93].
half-step [KM19].
Halley
[EH07b, KY17].
Halton [Sco08b].
Hamburger
[Nja88].
Hamilton
[BGS06, BL06, CGT13, CNF14, CFS13, CL01a, CY05, FL94, For11, LHS00, RF16, SM13, ST03, YXZ18].
Hamiltonian
[ABK12, AD16, BL05, BF99, BGIW18, BD17, CM00, CS01, CB16, Eir99, GBD97, HL99, HHW18, PA05, Ror06, SG17, ZJ19].
Hammerstein
[EH09, Han93, KXX92, KNN03].
hand
[AED12, EJS04].
Hansen [PSR04].
harmonic
[FD90, GH07, Har98, Jia02, MM18, Pla08, RV09, ST19, WSY18].
Harvard
[RW87].
having
[CL88].
Heat
[MCM12, AX19, BLS94, BN12, BOR02, CM09, DCN+19, FP02, Fre98, HLLK13, Hor99, Hor02, Jex99, KV07, KBS11, Kra92, LW18b, MVVA09b, RM09, SKBAS09, TOD11, TY03, WAG98, JXW15, WS04, YY13, ZZC+18].
heat-diffusion
[KV07].
heated
[Wu09].
heating
[BGM+09].
hedging
[Bis11].
Heisenberg
[Bec02].
Helmholtz
[AAD+08, BOEP00, BPTT15, CH01, DS07c, EVO04, EVO06, FFQ09, Go86, Guo96, HO16, Kim94, Kim95, LRS09, Li08, LW1919, MPTT17, OMP98, OKS10, PM03, PB10, RS00, dVA02].
Helmholtz/Schrödinger
[BOEP00].
hemodynamics
[DZ12a, RD+12].
Hermann [Bru97]. Hermite
[Bar12, Boy15, CXNF14, CjW18, CCS17b, CN15, CS17, Iva07, LHHR94, LHH96, LHH08, Luo18, MSt07, NBNTGV11, ZL11a, ZL11b, ZHL08]. Hermitean
[GGMP88, LVfP14, Nak12, Pet92]. Hessenberg
[GS08, ZP98]. Hessain
[MKH16]. Hessian-based
[MKH16]. Heston
[BDOG19, GGO13]. heterogeneity
[Chn17]. heterogeneous
[AK09, Ben17, CM09, DN13, IJ14, LP01, MPSS16, OL18, RN04, SS94b, WCH14, XZL07]. heterovalent
[vHA98]. hexahedral
[BS97a, Tob14, Ush18]. hidden
[RR14]. Hierarchical
[AB15, AD04, CM09, CZ90, FSB97, Haa97, Kwe00, NBP94, Zou10, BLS94, CLT97, Che96, EHO8, GV18, Gar96, GS92, KJ99, Ste97, Zou11, GMS12]. hierarchy
[Che88]. Higdon
[BG11a, Dea11]. High
[AES15, AEMX17, Bla01, BCR01, BT95, Brus07, BB96, CXNF14, CM13, CDP17, CP05b, CKS05, CRU15, CS18, CB99, DRC85, DS15, Elg17, ER18, EP15, Fou00, GMG04, GLP09, HAG15, HECA16, KL07, MPTT17, MK99, NW09, Pit09, RR00, SST12, SB14, SZE+92, TDC10, TD09, Ver96a, Ale11, BMGM12, BG11a, BOEP00, BM6+17a, BM01, BV09, BJ11, BPTT15, BDM03, BJ98, CGA93, CS08, CD00, CN15, CN17, D19, EW07, FJ17, FH6+02, GLL00, GM00, GHU00, HOC86, HR97, IN01, JM17, JCL18, Jia12, KS00, KM19, KJ09b, KS919, Kwe01, LCVG01, Lee94, LX08, LYF17, LR18b, MS91, ML91, MD96, NT16, PSSB91, PBC08, Pich05, QW04, San02, SD13b, SQ17, SYG7+05, SDK15, Som93, STS00, Str98b, Sub04, TX18, TY00, VV02, Var92, WK04, WC14]. high
[XYXZ18, Zha96, van98, vHMdS99]. High-accuracy
[DS15]. high-index
[San02]. high-level
[PS98]. High-order
[AES15, AEMX17, BCR01, BT95, Brus07, CM13, CRU15, Elg17, ER18, EP15, GLP09, HEG16, KL07, MPTT17, SST12, SB14, SZE+92, Ver96a, BG11a, BDM03, CGA93, Din19, GLLW14, GHF00, HOEC86, INR01, JCL18, Jia12, KJ09b, Lee94, LR18b, NT16, San02, SDK15, Som93, STS00, Str98b, TX18, VV02, WK04, WC14]. High-performance
[CB99]. high-precision
[Var92, vHMdS99]. High-resolution
[CNXF14, Hag15, Pir09]. High-speed
[MS91]. Higher
[Aca12, Agu15, BM05, EES05, Gar96, Joh05, KC19, NK11, Viej01, WL09b, XZ14, Arn93, BKR13, BN06, BC05, BD11, CZ97, CJX11, ELCSW98, ECBO7, FM11, GJ01, HvDH10, HST14, KOS+12, LMW10, MS08a, Mat09, Nic86, RA03, SM93, SS13b, Tem15, Tob14, WB03, Coy12]. Higher-index
[ECB07]. Higher-order
[Agu15, Gar96, KC19, Viej01, WL09b, BKR13, MS08a, RA03, SM09, Tem15, WB03]. Highly
[Ben96, Fac03, IRC12, IJ17b, JP17, LAH09, AK09, BBV13, CC04b, Che12a, DJ12, DXY09, Den93, Has13, Is102, Li01a, LWX10, LTT19, Maj17a, RCG09, VH18]. highly-oscillatory
[Is102]. Hilbert
[AMCM09, BLM17a, DO17a, DO17b, Jl94]. Hille
[Lub92]. Hilliard
[CCZZ18, CCL04, HLT07, KK09a]. Hilliard-Cook
[CCZZ18]. historical
[Bre96, BW66b]. history
[But96, TCCW89, ZC92]. HJM
[Mar09]. HLL
[Sch16a]. HLL-type
[Sch16a]. Hodge
[AM10b, BS14a]. Hölder
[LS10]. Hole
[FGP12]. Holistic
[Rob01]. Holm
[AS06, CLP15, RLSS06, ZZ18]. holomorphic
[Dar09, LFP04]. holonomic
[BGIW18]. Holy
[Bur93b]. homogeneous
[AM17, BP12b, MH14, PFHL09, WG19]. Homogenization
[MS00, LP01, RCGM98, YXZ18]. homotopies
[BZ17b]. Homotopy
[YCY12, LW18b, Odi19, SL08]. HOPS
[NT16]. hopscotch
[BrTBV87, Duf90, HV89, vV87]. hoRA
[GT18]. horizons
[MVG14]. Horizontal
[CMP06, CML05, GRGJ02, QR03]. Hormann [CHS17]. HOTV [San18]. hp [ADGM08, BF15, BS14b, BPS19, BH10, BD11, Bür13, Dol14, DMR18, DJ08, DH07, DM10, HH18, KPY15, KWLK00, KFOF02, KR10, MS05, Moo04, PZMX16, SA00]. hp-adaptive [ADGM08, BF15, BS14b, B¨ur13, Dol14]. hp-BEM [BF15]. hp-estimates [KPY15]. hp-finite [BPS19]. hp-mesh [DMR18]. hp-refinement [Moo04]. hp-version [KPY15]. HSS [BY09]. HSS-based [BY09]. Hull [GGO13]. hundred [Bru97]. Hybrid [AC98, CHLX07, KPR06, PH91, Rha99, AP16, AA87, AD04, BDMG12, Bai96, Baz03, BCSH16, CXZ17, Da100, De 06, FHK05, Fuj02, GFB99, Hua09, JT18, Kal96, KD13, KWLK00, LY01, LH02, LK14, LCS19, LS99b, MS19, Nak05, Ou11, PH15, PY13, SA00, wSP15, SV95, TJJ11, Tou97, VB07, WM08, ZLG15, ZGD17]. Hybridization [BPS19]. hydro [LY16]. hydrodynamic [BGM+09, DSW96, JT02, JT06b, YZH19a]. hydration [CDD00, LL06, Qui96, RI02, KR+16]. hydrogen [CPD+05]. hydrologic [RvdCVR02]. Hyperbolic [De 88, AM09, AW14, BJ02, BF17, BW95, Ber04, Ber05, BTP06, BM12b, Bor16, BGP11, CJ18, CSW19, CRU15, Chi93, CL09, Dav92, DGRS09, FE93, FJS99, GQ89, Gas92, GK19, GDS+15, GJ17, GH00, HWC15, IT16, JJ94, JNCP03, KPY15, Kop86, KXR+04, KR12, KW10, MS08a, NB01, NFAE03, PGBD08, RZ00, Ric91, R9g19, RMK09, Sea09, uVS13, Sof17, Str98b, gTPm07, TJ12, TM15, Vic87b, Wal00b, XF06]. hyperbolic-heat [RMK09]. hyperbolic-parabolic [FJS99]. Hyperbolicity [LY16]. hypercomplex [AMT17]. hypercube [CSS87, De 93b, LS86]. hypergeometric [AR93, CJM88, DIR13]. hyperparameter [LV12]. hyperplane [KLSW10]. hyperplane-constrained [KLSW10]. hyperplanes [Mon09]. hypersingular [AFF+15, BBV09, BV010, BVRB14, BRBB18, Cai09, Mai09, Sid14]. hypersonic [KH91]. hyperspectral [Lo06]. hypoacusia [BF09]. hysteresis [LR01].

IA [AC96]. IBVP [Str98b]. ice [CDV00]. Iced [KTS03]. ICOSAHOM [An00a]. ideal [CFXZ06, GDS+15, QM10, Tou10]. idealization [SW94]. identical [BASC17]. Identification [ABP95, BBPR05, CAD03, ND85, SW17, VSG17, AX19, AGKK94, BBV05, BCS05, BR94, Die15, HM17, HLIS16, HK09, KJ12, KK06, LDP+14, MCM12, SM08]. identify [WZW13]. identifying [HP14, HM15]. identities [AR93]. identity [Bref91]. IEFG [DA19]. III [BDV12, BDMGVO05, BH12b, DO98, GHH09, GPHAM12, KQ13b, LH02, LFS15, Mar03, MSP10, Mur99b, Shy86, Shy91b, Tsa92]. IIA [GPHA16]. III [DGN12, VC10]. ill [CRS05, EG88, K115, Luc95, MR14, Sam94, XXQ17]. ill-posed [CRS05, EG88, K115, Luc95, MR14, Sam94, XXQ17]. ill-posed [CRS05, EG88, K115, Luc95, MR14, Sam94, XXQ17]. ill-posed [CRS05, EG88, K115, Luc95, MR14, Sam94, XXQ17]. ill-posed [CRS05, EG88, K115, Luc95, MR14, Sam94, XXQ17]. ILU [Zha00]. IMACS [CFTW08, HSX18, MH89]. Image [MMKN17, BCM04, BS10, CP06, CF13a, CH87, DE16, KM95, LK14, QM03, Sae14, SC08, SMA01, SL17, WYP12, ZC91]. image-based [QM03]. images [GFOG03, TSB10]. imaging [CG03, HLR18, KNP16, KRKB16, Loo6, Par14]. imbedded [CST97]. IMEX [CCS17a, CSW19, JM17, LT12, ST14a, SKW17, SW18]. immersed [AL09, JK14, KV07, Li98, SWFK13]. immiscible [N¨ur09]. immobile [JL17]. immune [BR94]. impact [Ahn07]. impacts [Aca12]. implementable [BC98b]. Implementation [AH15, CO09, GT93a, Jac02, LPT94, Pot85, AQ18, Ale03, BD85, BF15, BS92, BS08, BMT93, BT98, BM02, BIM15, BWEP95, CLMSS98, CCP17, CK06, Coy12, DVV93,
Implementations [DLP06, PV93]. Implementing [HP91, Ney95]. Implicit [HP91, Ney95]. Implicit-Explicit [DGM18, GM16, Bos09, Ano01d, Ano02c, Ano04l]. Implicitly [BRS05, BC01, BC04b]. Implicit/outflow [MOU14]. Indefinite [CK98, FL05, LMV17, LW18a, SS99, Sha98]. Independent [CH95b, KP18, ST19]. Index [An00b, An00c, An00d, An00e, An01a, An01b, An01c, An01d, An02a, An02b, An02c, An02d, An03a, An03b, An03c, An03d, An04a, An04b, An04i, An05a, An05b, PSL18, An16, An09, AFS00, Arn93, AC96, CZ97, CCM02, EBT07, HGP11, HMT03a, HMT03b, Hay95, KKR15, Mur99b, Ost93, RA05, San02, Scho2, SG05, SBG09, Wen98, Wen05, WBC02]. Index-1 [HMT03a, SG05, SBG09]. Index-2 [AFS00, HMT03b]. Index-3 [Wen98]. Index-analysis [PSL18]. Indexing [MMBB07, TS08]. Indicator [KMS10]. Indicators [GMS12]. Indices [LS98, LD02]. Induced [BC02, DDZK05, KCJP01, SSVG10, WT17, XLMK07, YTM03]. Induction [BGM+09, SC19]. Industrial [BP14, LDP+14]. iNEOS [GGNP02]. Inequalities [DR01, AK95, BN06, BHR05, DSM11, LLY11, MMP09, WH13, ZH14]. Inequality [CXZ14, DHS05, Gw09, Lot19, MG00]. Inequivalent [KS10]. Inertia [For02, AC18]. Inertia-controlling [For02].
Inexact [HFL13, BHSW16, GO18, HMW05, PKSB10, SL09, WZ16, YH18, Zha97, ZP12].
inexact-Newton [WZ16]. inf [Che16]. inf-sup [Che16]. infiltration [BDNV19].
infinite [AD08, DT15, Dés08, EC07, Has13, KKP17, LRT99, jWyG08, jW15, Zhe07, ZR15].
inf [Che16]. infiltration [BDNV19]. infinite [AD08, DT15, Dés08, EC07, Has13, KKP17, LRT99, jWyG08, jW15, Zhe07, ZR15].
inf-sup [Che16]. Inflow [MOU14].
Inflow-implicit [MOU14].
Inflow-implicit/outflow-explicit [MOU14].
inf-sup [Che16]. Information [KNP16, SA05]. infrared [SS16]. Ingersoll [AHT17, WMC09]. inherent [AJ19].
inhibition [GS15a]. Inhomogeneous [Gus88, CGN03, DE06, EVO06, Kur98, OS12, QL16, jW15].
Influence [Win92, AQ00, BP95, SS02]. information [KNP16, SA05]. infrared [SS16]. Ingersoll [AHT17, WMC09]. inherent [AJ19].
inhibition [GS15a]. Inhomogeneous [Gus88, CGN03, DE06, EVO06, Kur98, OS12, QL16, jW15].
Initial [Bic16, De 88, TOCV02, AB15, AMP03, AMCR17, AT93, Bac17a, Bac17b, BY00, Bur93a, BT00, BC98c, Cah89, CL85, CHS19, Ehr08, EHM01, FW08, FD97, Fer93, GGM95, GH02, yGpY09, Hig93a, JR02, JCSR03, KHM+14, KOR18, KKW00, KW93, LW17, LS07a, LT93, LOM98, MS03, MS90, Nap16, Odi19, RCGM98, SAC86, SWE05, XFLC00, ZWH98]. initial-boundary [GH02, LOM98, MS90]. Initial-Value [De 88, Bac17a, Bac17b, CHS19].
initial/boundary [Fer93]. initialization [HD9SR17]. Inner [GCHR06]. input [Har10].
instabilities [Cui95]. Instability [CJV88, DG96, Lyq99, WT17]. instance [KSP10]. Instantaneous [CHK99]. insulin [MLK06]. integer [KS91]. Integral [BBLT15, CP09, PGM86, AL95, ADR17, AM10a, AAD14, AD18a, AD18b, AFF+15, BC02, BES18, BLM17a, BV08, BVRB14, BRBB18, BGIW18, BrJu97, BMM97b, Cah92, Cai09, CHLX07, CCP17, CDP17, CJ18, CL14, CHH15, CS09, Chu12, Cbr01, CP17, Cum95, DD97, Dav98, Der92, DSK12, ER18, EH09, FS15, FMS18, Fer09, FL15, FV87, Fun04, GKA17, GGS16, HB02, HGP11, Han93, HP14, Heu00, HA16, HK85, HX11, Hu99, HLL09, IV16, IRC12, Kan89, KX91, KO08, KeI85, KPR12b, KR18, LRS09, Lau17b, Li11, LD97, LNZ12, LRE04, Mai09, Maj14, MO17, MS19, Man96, Man97, MV17, Mie89, MD10, Ngu15, NT16, PR89, PA18, Rab94, Ril92, RAO18, SST12, SV00, SVB17, SS16, SW85, TMD92, Tau09, TSL09, WN12, WQ17, WWLS08, XL09a, XZH19].
HZBM05, HS19a, HCY18, JRW06, KPY15, Kau95, MAH18, Mok17, PT11, PTV16, Pot97, ROB17, SS08a, SD13b, tSqWyG16, SCvdH92, Tan93, TX18, WC14, ZH09, vS97.

integro-differential
[AB88, ABF09, ADH00, AV00, BT97a, BMGG12, BGGG13, Bho12, BP92, BMM97a, CZ12, CP03b, DLPV17, EH97, FID18a, Gan96, HM87, HZBM05, HS19a, HCY18, JRW06, KPY15, Kau95, MAH18, Mok17, PT11, PTV16, Pot97, ROB17, SS08a, SD13b, tSqWyG16, SCvdH92, Tan93, TX18, WC14, vS97].

integrodifferential
[Kau93, VSG17, Wan01].

integrodifferential-algebraic
[Kau93].

inter
[Rob10].

inter-element
[Rob10].

Interacting
[SR88b, MT05].

interaction
[BSP04, EZ03, GMM09, GS18, RDH12, Sal93, Sod91, Tow16, XLK07, vBvdZdB08].

interactions
[CBD16, Nes16].

interactive
[GGNP02].

interconnecting
[Pec09].

interdomain
[Dor91].

interest
[KGR08, Mar09].

Interface
[PGM86, RTV00, ABG96, CES91, Chn17, Dav92, Dek78, GMS12, HLY14, HSY18, JCL18, JV99, KV07, Loh98, LMWZ10, LAH99, MAG13, NMB10, PAP17, PH15, RTV02, SSV89, Sch16b, S11, SD09, SZL18, WSCQ18, ZCC11].

interfaces
[AEM17, FL04, FMW05, FM07, FMU15, KS07].

interfacial
[EAS12, ZQL11].

Intergrid
[Osw97, Kau04].

Intermediate
[Lai09, SHG86].

internal
[CRR03, NC16, Rus95, VS91].

International
[CFTW08, LST07, MHS9, FJ97].

interpolant
[Ber86].

interpolants
[BES18, BFK11, BS92, CHS17, LMS09, MST07, SST12, SST09, SST15].

interpolating
[CJV88, DA19, DF92, KP03a, KPR12a, SWCH15, WT93].

Interpolation
[AM16a, BG06, Des08, Moe04, Spe12, AA04, AG05a, AMR12, AN15, BMGM12, Bar12, BRIP08, BGS06, BH12a, BS00a, BCJ97, BS09, BB10, BO11, BG11c, Bres02a, BM97a, CDD00, CDD17, CGGM17, DMPP99, Dol14, DR93, FM11, Fra14, GGR97, GJ17, HB02, Iva07, Kid90b, KP01, LY10, PD96, Pla08, PB10, RL86, Ru95, SE93, SJ18, SL17, VBD93, VZ93, WW05, ZL11a, ZY14, ZL18a, ZHL08, Zup04, de92a, Boy15, OR18].

interpolations
[CZS04].

interpolator
[BES18, BFK11, BS92, CHS17, LMS09, MST07, SST12, SST09, SST15].

interpretation
[Bot97].

Interval
[Sch87, Ben02, Boy15, DBCBPP10, DMMH18, GPP04, KKP17, LZ13, Mar99a, MT94, Sch99, TD10, BO11].

intervals
[BDMG005, Tar98].

intrinsic
[AR17].

Introduction
[BKM05, CFS94, Had13, LP93, Sal91, But97, CDTG19, Wen10a].

intrusion
[AMRR18, MNR14].

invariance
[BLP01].

Invariant
[HL99, AB10b, BHJ06, BC97a, DB95, ERS00, GSR00, Moe95a, Tru00].

invariants
[HX15, Rei99].

invasion
[MPSS16].

Inverse
[FOMC05, IT16, Per88, Tuh96, YD07, BT99, BLY16, BG02h, CR05, CD18, CPOG017, FBS09, Hah08, HILK13, Huc99, JM94, KJL12, KNF16, KKN17, KCW16, KRBK16, KKL2, LYY15, MG00, MN03, Mat05, MCM12, QC12, QL15, ST09a, ST09b, SL41, pLSqJeC16, SL18, TL07, TK05, WZ02, WL09c, WL16, WW14, XCS85, YJ18, Zha00, ZW19].

inverses
[Kos02].

inversion
[Che88, CZ90, DSK12, LF04, Moe95c, Per99, VA05, vB87].

inverted
[KKN17].

Invertible
[CRS05].

investigation
[Ch01, EZ03, Liu97, Pot97].

inviscid
[Moe03, Tow16].

Invited
[Ano05f, Ano02e].

involution
[Sei02].
involving [CFRA08, CF13c, MV18]. ion [PS00]. IPDG [BS14b]. IPDG-FEM [BS14b]. iPSC [BRS91, de 93a]. iPSC/2 [BRSD91]. iron [BMP05]. irregular [APJ09, BW95, DT10, DP90, Eva94, EW97, DLM16, PM14, Vic87b]. irregularly [Sau00]. ISLIM [Lo06]. isogeometric [GV18, ADSS17]. isolines [BS00a]. isometric [Chu03, Gar05]. Isoparametric [JT06a, LL02]. isospectral [CIZ96, LP97]. Isothermal [DdCVR03]. Issue [BGHR12, BGH +15, CHM09, FFMZ13, ADG +16, CD95, DGCW17, HKN16, KP07, LST07, SSV97]. issues [BF09, LMV17, Sid10]. Itô [DR09a, DR09b]. Italy [RI02]. iterate [ST09a]. Iterated [LNZ12, Bic16, BCC16, BDFV93, Buc17, CM07, CX08, DVV93, MZK05]. iterates [Bog12]. iteration [BY09, BLY16, CKB13, ELvdHS98, Gi88, GRLL01, Gug05, HL02b, Jia00, Mat05, ST09a, ST09b, SW95b, Spi95, WPL16, Zha01, vS93, vdSvdH95, Ney95]. iterations [BSvdV99, BBLT15, DB95, DSS15, EH09, JKN94, Lab99, LLV18, Phi87]. Iterative [Bea04, CFTW08, GPMR95, JP19, JGK11, MP05, Mar03, SS13a, SL01b, TSB10, dH95, AC98, AGJ12, AHR12, AG05b, BRTC19, Bog16, BRBB18, Cao98a, Cao98b, Cao01, CH01, CGPT19, Cui04, DE16, DP90, Eij95, Ein18, FL05, FLMR14, GH91, GM18, GKB9, GT02, HvdHV10, HW97, IT07, JD09, Kim94, Kim95, KF97, Kin94, KYC03, KSSS16, Kr09, KCB02, KY17, LPT16, LZ13, LWD+09, LR00, MA09, MRV93, Mar99a, Nak05, NH15, OMP98, Pea16, PM03, PT95, RV05b, RSK14, SW95a, ST11, SH02, SH10, SVB17, SW03, TK05, VMP03, Wan96, Wan07b, WL09b, WWS07, WYP12, XXQ17, YG95, YR92, YY95, YH07, ZC91, vSK97]. iteratively [HSY18]. IVPs [BP12b, CM07, CX08, SS09, GM95, Jac96, JN02].


Layer [ÜHST03, Bec18, DS97b, DK14, FM11, GGN12, Jun06, KDT17, KC94, Lin01, Mat09, MOSW00, OQ15, So91, ST08]. layer-adapted [FM11, Lin01, Mat09]. layered [IT07].

layers [AG98, BBV13, Bog00, EH91, FLR08, KOW05, LBCN00, MOS02, MS91, OS08, Petto, TY98, Ye04, ZTJ15, ZMC13], LBB [BM12a, Dob05]. LDG [Cas06, AC15]. leading [AB15, GS17, OK98]. Lean [SA08]. leap [TH18]. leap-frog [TH18]. Leapfrog [NH15]. learning [KSP10]. Least [BM04b, CF86, CCLT10, KR10, MH16b, PS02, ZSJ04, AN15, AD01b, BLS+17, BB94, Ben02, CP07, CZ04, yDqGnJT09, HP85, Han87, HS17, KS02, KLY05, KS09a, LV12, Li11, Li16, LSY17, LW18a, MOS12, MS08a, Mon09, Mou03, PS03, Ren13, SD13a, SLJ86, SWCH15, YK04a, Yu93, Zha07, Zup03]. least-square [Li16]. Least-squares [CCLT10, KR10, MH16b, PS02, yDqGnJT09, Han87, KS02, KS09a, MOS12, MS08a, Mon09, Mou03, SWCH15, Yu93]. Lectures [Ano05f, Ano02e]. left [SY05]. leg [Hua00, WZL08, Wan17a, ZH09]. Legendre [AyLqW18, An16, yGpY09, LPTT18, MQL017, OL18, SLW17, SW07, gTpm07, jWyG08, jWqW09, WC14]. lemma [DL05]. lemniscates [FH04]. length [SH91]. Lepp [Riv09, RRMJ12]. Lepp-bisection [Riv09, RRMJ12]. Letnikov [CHS19]. Level [KM11, BVG19, CCLT17b, DdSF07, DLP06, FM07, FMU15, GL07, HL02b, HFL12, Hua17, Joh01, KM19, KL09, Kuz90, LA11, LCS19, Nak05, PSB91, PH15, TL07, Tob14, ZOZ09, ZWL11]. level-dependent [CCS17b]. level-set [PH15]. level-set/moving-mesh [PH15]. Levin [LWWX10, PCA10]. Lévy [ZO14]. library [AV96, Eij95, SW95a, Tou97]. Lidstone [CD05]. Lie [WGKS12, WC02]. Lifshitz [BS06]. lifting [MB08]. light [Boh03, Den07, GV04]. like [CJL13, GO18, Li01b, Man97, Mur15, Par14, PCR17, SLJ11, SW13, TY98, WT17, WX06, ZZW97, JKN94, van95]. Limit [Gil88, JCP88, Lem88]. limitations [CCM17]. limited [SM13]. limiter [DSZ15b, DSZ15a]. limiters [MS08a, ZQLK11]. Limiting [BM04c, ID19, KXR+04, Sim94a]. Lindsay [CA15]. Line [BGW18, HP15, Re85, AHO16, SXP09, WZ16, jWjJ17, ZH15, ZP12]. Linear [HV89, KK02, MS91, TZA13, AC98, AH11, AJ19, AS13, AW14, AK00, ALb96, AMC02, AMP03, AMCM08, AMCR17, AT13, Araz99, AR15, Aro98, AES13, AGKK94, AC16, BF01, BBG14, BF17, BK06, BGM19, BM04c, BM06a, PA12b, BRBB18, BCJW17, BCJP18, BS93, BM09, Buc04, BS12, BH97, BJ06, BS18, BRW17, BWE95, But85, BC95, BJ96, BS00b, BW03, BP06b, BD17, CGS19, CJJ17, CRS05, CQ09b, CQ10b, CL85, CD91, CHX13, CZY18, CG16, CVE02, DB97, DS05, DN13, DJM09, Eij95, EJS04, EGS03, Fac03, FK05, DVS13, FH08, FMG94, FG09, FH97, GMZ11, GHK16, Gas92, GGM07, GS90, GHT05, GFP18, Guo96, Han87, HAY91, HSL09a, HH10a, HP91, HA16, HCY18, Hua98, HC03, HHH18, HMMW05, HT94]. linear [IO18, IJ17a, KPY15, KZ13, KP03b, KCB02, KLSW06, L017, Lev91a, Li05, L02, LHY17, LIV18, LSC19, LCA9, LSK09b, LW92b, LLL12, LYK17, LMG02, LD02, LRT99, MAH18, MOS12, ML16, MR08, MF99, MP98, Mr95, MS90, M07, MH04, MGG14, MRH14, Mot17, Nap16, NMRZ12, ONL8, Odi19, OKS10, OTK04, PAG93, PGS10, Pic05, Pir09, PT95, PJB04, Por17, Q16, RA05, RC18, Rum87, SS99, Sch12, SH02, SEG02, SWW16, Sid90, SIS13a, SwdHN86, SW03, SX14, Sp95, Sp13, SS09, Su94, TDP17, VMP03, WL09c, WWS07, XFLC00, YG95, YR92, ZYN02, Zha07, ZP97, ZCC9, Zla85a, dH95, in02]. linearised [OQ15]. linearization
linearizations [Mär95]. Linearized

[ CXZ14, BG11b, BP85, DG10, DJ10, FWL18, HN03, KM16, Zha19b]. Linearly

[Bru93, CdFN01, CG05, ELCWS98, JKW12, PWS06, BJ09, BSW93, EM05b, GLPW09, SMEN04, WSW96]. Linearly-implicit

[Bru93, PWS06, BSW93, SMEN04, WSW96].

LINSOL [HSW99, HS02, SH02].

Liouville [AGM09, Con99, Ghe97, Pru00, SL15, VWD05].

Lipschitz [LS10, Mat86, RA09, ZM17]. Lipschitzian [WZ14].

Liquid [BDF95, CdFN01, CG05, ELCWS98, JKW12, PWS06, BJ09, BSW93, EM05b, GLPW09, SMEN04, WSW96].

Lines [FG96, BL15, BDNV19, BDF89, BW96a, BCJ97, HT94, PSL18, Tah94, TT03]. Link [MS08a].

LINSOL [HSW99, HS02, SH02].

Liouville [AGM09, Con99, Ghe97, Pru00, SL15, VWD05].

Lipschitz [LS10, Mat86, RA09, ZM17]. Lipschitzian [WZ14].

Liquid-structure [BDF95, CdFN01, CG05, ELCWS98, JKW12, PWS06, BJ09, BSW93, EM05b, GLPW09, SMEN04, WSW96].

Load-balancing [Chr96]. Loading [CS09, Che12b, Fai00].

Lobatto [OL18, BGVHN10, KK09b, SLW17, Wel10a].

Localization [Sza94]. Localized

[BtTBV87, dv95a]. MAC [LRC19].

Machine [Pet92, VV95, Duf90, IMM04, MI03].

Machines [Alt85, MRV93, SSW04].

Magneto [YZH19a]. Magneto-hydrodynamic [YZH19a].

Magnetohydrodynamics [AL17, BM18, CFXZ06, DA19, GDS15, LMA18, Pow94, Tou10].

Magnetostatic [BP85, Kur98].

Magnetostatics [RV09]. Magnetostriiction [BS06].

Magnus [BM06a, INR01].

Maintenance [KN08]. Manifolds

[EMMK01, FMMK01, DE18, Moo95a, MK99].

Manipulator [BdFPSdSC08].

Manufacturing [KN08]. MAOR [HPY92, MT94]. Map [KF97, WE99].
Mapped [BL06, ARGA00, DE18]. mapping [Bri85, Car94, LWCT07, SL08, XZL07, ZJ10]. mappings [BBO03, LFP04]. maps [AM10a, AB61, DE16]. marching [Dav98]. margin [KSP10]. markets [CGEV19]. Markov [BT02, Bu99, DNW18, D18, WGW15, WMC09]. martensitic [WM07]. Maruyama [GLMY17, GLM18, LL18, CGGGS11, CGJ16, FLL11, TW10, Zhang07]. mass-conserving [BBK07]. Massive [Gea93]. massively [BMR17a, de95a]. Master [Ano92, Ano02f, Ano04l, FL10]. matched [DK14]. matching [BMS89, BTDV10, CLR11, Se95b, TCCW99, ZC92]. material [CFRA08, DCN+19, Fra04b, HS07, SC03, Wee01]. Math [BtTBV87, Kni95, TLP18a, Tsy96, YP18a]. Mathematical [BGG12, CL02a, DMQ02, FMSV07, IJ14, MLK06, MDD18, AKGR14, CDJT16, ESS15, EL01, LFL14, Rv09, Sae14, Sam94, Var92]. Mathematics [MH89, ZCSH11a, Ano87a]. MATLAB [EMMK01, RH92, ST01]. matrices [ABK12, BN99, BWY03, BLD17, BC99, BG11c, BW06, CL06, DP12, DL01, DMPPP99, ESS05, EHO8, GKO93, GS08, Jin02, KS01, LMV17, LVP14, Liu02, MS19, Nak12, Not92, Nov03, PV93, SYW18, Wan96, YD07, Zha00, dC18a, dHV13]. Matrix [AMT17, GPHA16, SW95b, AB14, ACM09, AQ00, Bal00, BKS07, BRR15, BL17b, BZ96, BRW17, BP95, CG05, CCBGV08, CP94, CKL03, CC09, Da99a, DMI18, DMPPP99, DP95, EAV16, Fuj99, GS17, Gab02, GGMP88, GGR97, HB02, Hey10, Huc99, Jam95, JMS99, ICH94, KCS07, Kru99, LDP+14, LPT18, LP00, Lu98b, MH16a, MS99a, NRZ12, OL87, Pea16, Per03, Ram96, SW95a, ST09b, SK97, SW06, SW09b, TW00, TM15, Win04, WGI18, WPS18, YP18a, YP18b].

matrix-dependent [GGR97]. Matrix-free [SW95b]. Maximal [AH11, AA94, Khe91, Align17]. maximization [KSP10]. maximized [LS05]. Maximum [Hor99, Kra92, FP02, FHK05, SG16, Vej10]. maximum-norm [FP02]. maximum-principle-satisfying [SG16]. Maxwell [AG05b, AM10b, BC12, BG03, BFH09, Bür12, Bür13, CXX90, DCC14, FJP17, HZ12, KCMW16, MM18, Ngu15, Nke07, Pet00, RR14, RA09, WSY18, YH00, YT00]. May [CFTW08, Mul99, FJ97]. McCracken [Pot85]. Mean [Abu04, MDD14, WC11, BS12, TZA13, YCY12, dVA02]. Mean-square [MDD14, WC11, BS12, TZA13]. means [EHO8, MS02, VV07, Wen10b]. measure [Has08, LW04, SS19, XL09b, Zha07, ZWK15]. measured [HM17]. measurement [KKN+17]. measurements [HM15, KKL17, QL16]. measures [dACR10]. Measuring [Sha85a]. Mechanical [CHH15, HEL09, Arn95, Arn98, BH93, FPS15]. mechanics [Car09a]. media [AK09, AKT97, BM04a, BM04b, BBL02, CCK03, CML05, CD13, DE06, DN13, EH07a, ESS15, EWW99, FBS09, FJ90, GJR03, HJ09, HCW16, IT07, KMR09, MK14, MCM12, OL18, SS94b, SY08, TSFB01, WCW14, XZL07, ZYSZ14]. medical [TSB10]. medium [AD15, Cho13, KT05, KKN+17, Mur15, QL16, SR88a, ZQLK11]. Mehrrotra [Car09b, LLL12]. Mehrrotra-type [Car09b, LLL12]. Meiko [HP91]. Mellin [Lau17b]. membrane [Boz11]. membranes [CGJ16]. memory [CFRA08, FVB05, Fre91, JP93, LW92b, LCJQ12, MRV93, VSG17, WM08, Win92, dV95a]. Menten [Wan09]. Menten-type [Wan09]. merging [Ber15]. Meromorphic [Jac88, DMGVO05]. Mesh
[BBV13, Bak86, BS96a, FL93, AL98, AGJM04, AKL08, AF89, BMGM12, BHJ05, Bak89, BKM13, BM01, BLMI17a, BFA93, BS97a, Bre02a, BT97b, BC97a, CST18, CJLS98, CLGD06, DF11, DEPS15, DMR18, DF92, FdSB02, FMP04, FR01, HW97, HWC15, HR97, JP08b, JM94, LBLT13, Len00, LH09, LLT07, LS99b, Man96, MCE09, NS03, NRR06, PD96, PH15, QM03, Ren14, SFJ+05, SYG+05, Sim94b, SS08b, Wan17a, Zar17]. mesh-dependent [LLT07]. mesh-moving [BFA93]. meshes [BSGU94, Bec18, BW95, BS05, BBRS97, Bof06, BP97, CHR03, CS08, DSZ15b, DL06, FHK05, FVBO5, FMGN94, FL01a, FM11, GH09, HMP14, KFOF02, Li01a, Mai09, Mat09, MST09, MKH16, NFAE03, PSP04a, PT19, Pic05, QM03, SE93, SY08, Tob14, Tur86, WG11, WZ17, YZ19]. meshfree [GM17]. meshing [¨USHT03]. Meshless [Li11, MS13, AAD14, AD18b, BHJ13, KDT17, MD10, RP17, SD13a, Sch08a, SR09, SJ18, SG17, ZT06, DM09a]. meshless-type [SR09]. message [BC99]. meta [KS10]. meta-programming [KS10]. metaheuristics [BdFPSdSC08]. Method [BL15, BO87, DT15, De 88, DC18b, FG96, HT94, Pet87, Ta86, TMS7, TT03, AS11, AH09, AS13, ALMM01, AY15, ARGA00, ARMR8, AGM09, AP16, AC15, AHT17, ABK12, AM17, AAI12, AMR14, AB10b, AT93, AB07, AL17, Ang06, AR18, Arc06, AB14, ABM17, AM16a, AM103, AF95, AC16, AAD14, AD18b, Aug89, AB+15, AEF+14, AMS17, AV00, Bac14, Bac16, Bac17b, Bac17c, Bac18, BTB19, BBV13, BLD17, BP14, Bal00, BLW07, BF01, BFS17, BAD13, BLY17, BVT14, BO04, BRTB19, BH519, BDNV19, BGG13, BC08a, BDOG19, BM04a, BDF89, BF92b, BW96a, BJC97, BTP96, BLMI17a, BZ17a, BC08b, BGH08, BC01, BC04b, BBRS97, BB08, Bo06, Bog16, BVV09, Bor97, Bos09, BJ00, BHJ13, BRBB18, BSP04, Bür12]. method [BH12b, Bus06, BS96b, BC00b, CGS19, CTF13, CFX08, Cai15, Cao98a, CHZZ06, CX14, CH14, CDP19, CP94, CGG02, CM02, Cas06, Cau08, CS94, ÇD17, CM97, ÇJ18, CJ18, CMP03, CKB13, CS01, CX01, CC04b, CZY09, CXZ09, CHX13, CSXL14, Che16, CXZ17, CLTA18, CC08, CS08, CCK08, CH13, CKM10, CEW00, CL09, ÇK13, CJLS98, CY05, dCCSR03, CG16, CNS00, CMS04, Coy12, SCCM06, Cum95, CH90, DM12, DB97, DW00, Dav92, De 93b, DG10, DM09a, DA16, DA18a, DA18b, DA19, DJ10, DNN12, DYX09, DM09b, Den15, DFLM19, Den93, DLP06, DN13, DS97a, DS97b, Din93, DHL00, DN08, DBBH14, Dol14, DL16, DCM+19, DP85, DP90, yDqGuT09, DI15, EJS03, Elg17, ER18, EK95, EL97, EW97, EH07b, FID18a, FID18b, Fan11, FW08, FWL18, FL05]. method [FFY08, FV85, Fi06, Fer09, Fid96, FG13, FPPS00, FV99, FR01, FM07, FMU15, FSWZ19, FL11, GS15a, GLS09, GM10, Gas92, GM18, Gk09, Gen10, GG19, Gl93, Gl86, GLR01, GDS+15, GQ18, Gones09, GLM09, GT39a, GT02, GM17, GOP06, GKT10, GKA17, GGS16, GJR03, GJ08, GH07, yGyZ07, yGyP90, Guo15, GLMY17, GJ17, GL18, GL93, Gw09, Hab08, HPY92, HHR12, Han03, HJS07, HZ09, HLZ14, Har10, HLP09, HM01, Has13, HHC08, HL08, HSS07, HSI9a, HS17, Heu00, HJL18, HA16, HWC15, HR96, HC01, HLC01, HZ12, HFL12, HP15, HWC16, HH18, HS19b, HS09b, HSY18, Ius97, JAd94, JJ94, JRT90, Jec09, JK14, JCL18, Jia02, JL17, JLH13, JM06, JTO6a, JD09, KKT16, KAl96, Kam16, KDT17, KV07, Kan89, KKK92]. method [KNN03, Kan04, KJL12, KKK+13, KV95, Kat89, KM19, KOR18, KO92, KSM16, KS02, KIN12, KWS19, KY03, KWLK00, KK00, KKN+17, Kop86, KJ99,
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CG92, CP05a, CDGA17, Car09a, CL85, CD95, Cas96, CP05b, CZZZ18, CJL13, CG89, CM00, CCM02, CG13, CCC08, Cha98, Che96, CR05, CK98, CS07, CH07, CCLT10, CL10, CZ12, CHH15, CK06, Chn17, CN16, Con01, CM07, CX08, CP09].

**methods**

[CDP12, CP17, Coo89, CGPT19, CST97, CN11, CN17, CPR93, CKM15, Cui95, Cve02, DIJ12, DP12, DVV93, DS05, DR09a, DR09b, DK11, DS07a, DS07b, DGN12, DM11b, DGRS09, DMSCP16, DSW96, Dou91, Duj09, EAV16, EAV16, EH07a, EM05a, ELvdHS98, ELCWS98, Ein18, Eir95, EHM01, Eng11, EG88, EK97, EH97, ER07, EP15, EFLFP09, Eva94, EC07, FMMK01, FD16, FW07, FPRA09, Fat12, FLMR14, FL04, FS08, Fer93, Fer96, FM95, FMW05, FS88a, Fou00, Fra04a, Fra06, FG09, FHV97, Fre98, Fuj02, GH91, Gan09, GS99a, GM16, GK18, GANT02, GCHR06, GMG02, Gar10, GGLR09, GM03, GH00, GAW09, GY94, GLPW09, GG95, GGM95, GM95, Ghe97, GD09, GK19, Gje07, GP01, GPMR95, GPMPR03, GPHA06, GPHAMI12, GPHA16, GML00]. **methods**

[GMGF02, GM94, GKL07, GQ08, Gug05, GR93, GHW01, Guo01, GHF00, GR02, Hag15, HM87, HZ96, Ha97, Has09, HJ05, HLT07, HW06, HMDvd03, HK93, HM00, Hes00, HH10a, Hey10, Hig96, HR06, HL02a, HMP14, HSW90, Hoe15, HXW15, HHW18, Hor93, Hor98, Hor05, HC18, HJYL19, Hs06, Hua00, HX03, HLL09, Hua09, HFL13, HKP98, HL89, IM98, IM02, INR01, IVA93, IRC12, IJ17a, IJ17b, JL91, Jac93, JVZ95, JVZ96, JVZ97, JR00, JK06, JN02, JP19, Jay95, JM16, JKW12, JP08b, JX12, JEG10, Joli01, Jum97, JGK11, Kam16, KTO5, Kau93, Kan95, KB07, KMG09, Kie95, Kie15, Kim07, KOS8, KS99a, KB99b, Kin94, KW95, KW98, KNT13, KCC04, Kok08, Kop99, Kos02, KS99, KM11, KK02, Kre07, KXR+04, Kru99, KK17]. **methods**

KKR15, Kuz90, Kwa09, KY117, Lab98, Lab99, LHHR94, Lam13, LPT94, LPT16, LP05, Lay08, Lay09, LT12, Lei99, LPR00a, Li00a, LPZ00, Li10a, Li05, LX08, LH08, LLY11, LA11, Li12, LZ14, LZ17, LW17, LWL18, Li19, LW17, LK07, LF14, LS13, LLS+96, Lin02, LS07b, LN12, LMP99, LT93, LP97, LW95, LM12, LS05, LRT99, MDD14, MOS02, MMP09, MAH18, MP96, MD05, Mar93, Mar03, MRV93, MR01, Mat09, MST09, MR94, MG97, MI13, MP97, MOU14, MSS+15, Min04, Moo95b, Moo95a, MRS10, MK99, MKS12, Mur15, Mur98, Mus11, NRW09, NBNTGV11, Nic86, NFAE03, NS13, Nos08, OS08, ONL89, OZ96, O05, O08, Ore93, Ost93, OT02, O07, OT04, OS12, PGA93, Pat09, Pav00, Pec09, PA01, PS01, PS92, PA05, Phi91, GP03. **methods**

[PIr09, P02, P50, P95, PCR17, PAJ12, Por17, PCRR17, Pul86, QL+08, Ran15, Ran16, RSY12, RKV15, Rha97, RTVO, RT02, R01, Rox05, RBT15, Sac14, ST09a, SH97, Sar05, Sch08a, ST89, SW09a, SW95b, SW98, SWE05, SWJ09, Sch12, SW95d, SG00, SA0, Sch95a, Sch87, Sch95b, SEV02, SB14, SR09, Sh98, SWX00, SL09, pSLqJe16, SA00, SC08, SJ11, Sid90, SG07, SD09, S0, SKW17, SW18, Som86, SvdHNN6, SCvdH92, Som93, SK96, SW03, SdSC99, Spi95, Spi96, Spi13, SS13b, SW12, St06, SS12, SL08, SW05, SGN08, TMD92, TS08, TDC13, TOD11, TB01, TYJ11, TK15, Tru00, Tur93, VB07, VFV98, V02, V07, V09, Van00, VS04, VZ93, Ver06, VS95, Ver66b, VS91, V07, V09, WN09, WL09, WL09a, WG10, WL10, WZW13, WG15, WMF17, Wan05, WH18, WS04, WE012, WKP12, Wei95, WYL11, WSW96, Wen05, WCGW95, WSS97, WZ17, XFC00, XZ19, XZW19, YG15, YK07, YG99, YW08, YZ17, YR92, YXB95, Yu99, YTZZ18, Zen93, ZZ18, ZL01, ZH09, ZC10, ZHZS18, ZJ19, ZZW97, ZL11b.
ZFX17, ZSJ04, ZZ19, ZP97, ZX09, ZCSH11a, ZQLK11, ZCSH11b, ZX14, ZC99, Zla85a, Zla85b, dAF17, de 92b, dRT99, de 95b, in 92, in 95, in 96, in 02, van95, vdES04, vdHVW01, vSC92, vS93, vC93, van93, vS96, van96, vS97, vdHMDs99, vdHSo1, vdSvdH95, AGM09].

metrics [CLGD06]. MFE [ZYSZ14]. MFE [CLY19, HL19, SY18]. MFS [SK10]. MG [JMPO6]. MHD [DA19, DM09a, QM10, SD11]. MIC [GKMS09]. Michaelis [Wan09]. Mickens [MdD04]. microenvironments [MDD18]. microgravity [CMP06]. micromagnetic [TSFB01]. micromagnetics [LW04, XL09b]. microscale [CL02b, LC02]. microstructures [Li00b, Li01b]. midpoint [SR97]. migration [NS16]. Millstein [KX03, Lam13]. Minimal [Bar12, BFGP08, CP10, LS13, CKB12, Cul95, Hn97, Kie95, DE18, Ren14, Zha97]. minimally [BRIP08]. Minimization [Dra97, Gab02, WW99, CXZ14, DW00, FBM17, Sch95a, YP18a, YP18b, ZHL08]. minimizing [Bor97, HJP10, MKH16]. minimum [BSvdV99, GL17, Sch96, Tad86]. MINLP [EW08]. mirabilis [Aya09]. miscible [SY08, ZYSZ14]. mites [CL02a]. Mixed [BMM97a, CJW18, GH07, HSS04, MZ04, TJK18, VB07, VM07, jW15, APJ09, AFLAG+12, BGG04, BBG14, BLY17, BR05, Bra00, BJM01, BMM97b, CGS19, CL08, CP05a, CS03, C204, CJX11, Chel1b, CMS04, DY17, GMM09, HEG16, HL03, HW97, HCY18, HJYL19, JNPC03, Kie17, Kwe01, Kwe03, LM00, Li00a, LS12, LX09, LLZ19, Lot19, MPP09, MS09, O’L87, Par04, SW11, SY08, SW85, SG05, VBD93, Wan05, YY13, ZZHS18, ZBY19, ZZZ+18, iW07, iW09, iM13, BTDV10]. mixed-FEM [BGG04, GMM09]. Mixed-hybrid [VB07]. Mixing [dB03, Gro94, MS91]. mixture [CG14]. MLDG [AD18b]. MLPG [DM09a, AS11]. MLS [MS13]. MMOCA [ZYSZ14]. mobile [JL17]. mobile-immobile [JL17]. mobility [KK09a]. Modal [FID18b, Dat99b, RGOS18]. mode [DG96, EH91, dPT96]. Model [B078, HK09, Mac86, MVG14, MptM16, TD09, WM07, AHT17, AB15, AL98, AD04, BC12, BFS17, BM05, BVT14, BK09, BF09, BDOG19, Bho11, BTMT08, Bout02, CCGGS11, CF13a, CKP15, CST18, Cha17, CXZ15, CZY18, Chr96, CL09, CH89, CF13c, CA15, CR04, DMR18, DGM18, DL16, FKA+13, Fou00, GHK16, GLV03, GM18, HJ09, iHT18, ITZ17, JK17, JN07, JL17, JT06b, KCW16, KAS17, LMY18, LFL14, LN08, LG02, MPSS16, MT11, MT05, MHL18, QA+09, RMC04, RLHC19, RA17, RW87, SMJ12, SH97, SG16, TKN11, TLV92, WL09c, WCGW95, WM09, WYP12, YCY12, YV17, ZW09, ZQY18, ZZJ18, Zha19b, ZAB15, van98]. Modeling [BH85, LC02, Per88, BLS94, BAI02, BLW02, Beh97, BNDV9, BBG12, BMP05, BDO03, CM09, CKM15, ESS15, GJR03, HM00, JJ14, IHS13, IM00, KGR08, KDAK16, LCJQ12, MDD18, MCM12, Murl15, Neu88, NBP94, Ram94, SKAW12, SWFK13, TDPU17, YCO0]. Modelling [BW86, RCGM98, BBPR05, BDES12, BCBS05, BR94, BCS06, DS03, FMSV07, Gwi09, JWR06, KRBK16, LBLT13, Rob10, SMC08]. models [AM95a, ALM04, ABD16, BL15, BAD13, BBV05, BN03, Cai15, CFCHO9, CGE19, CDV00, CD13, CF08, dCCSR03, DAI00, DMQ02, DS03, Duns18, DB18, EP15, EL01, FV01, GV02, Go090, HL97, KKT16, KD13, LS07b, MLK06, MM14, Mus11, PCBA17, RP17, RR14, ST11, ST14a, SLJ86, SvdHK94, VVR08, WK02, YK07, ZC92, vSK97]. modes [CCS02, Mul99]. modification [BKM13, CVJ88, NL518, VO00b, Waa88].
multibody [Aca12, EK97, HMW05, Sim93, Sim98, WSW96, Wen98]. multicomponent [EWW99, QW04, YH18].
Multidimensional [BG03, KW10, MKS12, AR15, AM16b, BOEP00, CXN714, CRU15, CILS98, Cu090, FCX06, Hag15, HKZ08, Lwil18, OP04, RBT15, ZC92, im13].
Multidomain [MQ017, Tro06, YH00, BO11, Kim95, Kop86].
Multifluid [DRC85].
multifluids [CFX08].
Multigrid [De02, DMPS16, FHO8, OGO8, Sha98, Ta86, WZ02, Zha97, ABCC18, BMRI+17a, BRSD01, BW07, BVV09, Bre02a, BG02b, CDRT19, CZ090, CK98, CH07, D97a, EVO06, FL01a, GGLR09, GGN12, GGR97, GJV08, HY02, HST14, JTO6a, Kan04, KH91, Kor95, LWT07, LP05, Mic95, Mol95, NN10, Os95, PS09, Pf08, Phi87, RDF+12, SWX00, Sp99, Spi00, SMA01, TLV92, VP91, WZ17, vBvdZdB08].
multilayered [NBP94].
Multilevel [AG05b, BM12a, BC04a, HW97, Hn99, Ney95, ZC92, Bai96, BJO0, BCSH16, CLT97, DM12, FMGN94, FPS15, GKT10, GGR97, HK080, MB10, M09, Moe98, MRS10, Not99, Osw97, SST04, Zha00, ZW19].
Multimaterial [JN07].
Multimesh [PD96].
multiphase [Tel03].
multiphysics [GM18].
Multiple [ELHE02, HS86, HLIS16, KSP10, SAG86, WGB99, hYK86, BN12, BGH08, BG14, Boy91a, Czy08, EJS04, KS04, KY117, Lee10, Lei02, MS86, Mon09, TH01, RMK09, SW95b, pSLqJcY16].
multiplication [FT96, MA04].
multiplicative [FL01a, Mai06, DE16, KKP07, KR12, NN13, TN16].
multiplier [ONL89, ABG+15, PAP17].
multipliers [BG04, KS91].
multiply- and refine [BS96a].
multipoint [HS19a, JL86, JL87, MW93].
multipole [DM12, Eng11].
multiprocessor [CSS87].
multiprocessors [AAI93, IVA93].
multioperator [Tol03].
multiprocessor [CSS87].
multirate [GM18, GR93, BKP09, EL97, HS99b, KP15, PG02, Pul09, SLL8, Ske89b, SG05, SBG09].
multiresolution [BBR89, DG97, FR14, GDS+15, JP17, PD96, PGS10].
multiresolution-based [PGL90].
multiresolution [PM97].
Multiscale [CL08, DC09, DCS+19, EH07a, WCW14, CKB13, CC04b, DDHS97, DYX90, HSY18, Jec09, JEG10, LNZ12, Rob10, SKAW12, SQ17, YC16].
Multispectral [CDCV03].
multisplitting [Lin02].
multistage [ABH14, BJ98, JYX95, JR00].
Multistep [CP09, FMMK01, VZ93, ZL18b, AFS00, AFS02, Arn98, BCS17, BT95, CM13, CL85, Cha98, Den15, FHV97, GM16, Gje07, JI71a, LMG02, MST09, ONL89, OTH04, PJA93, SvDHN86, Sp95, Sp95, in 02, vB95].
Multisymplectic [AM04].
Multithread [RRLJ12].
Multithreaded [Chr96].
multivalue [Bur85, BC89b].
multivariables [Ari87].
multivariate [AEG12, CC04a, CV88, MD06, OGV92a, PGS10, WT93, de 92a].
multiwavelet [DJJ+15].
multiwavelets [AFS11, CS17, MB08].
Munthe [AB17].
MUR8 [EL97].
Murakami [CN16].
MUSTA [Tor06].
myelinated [LFL14].
n [Pav00].
NACA [De02].
Nador [BDES12].
Nanji [LSST07].
Nanostructures [KPN16].
narrow [Con89].
NASCAR [BJS12].
natural [CdCV03, Che16, DdCVR03, DY03, HY01, Hua17, HS97, Sch91, Ste05b, VZ93].
natural-norm [Che16].
nature [VS91].
Navier [KM16, Kn95, AR18, BB15, BG11b, BC01, Cau08, CSXL14, CD13, DY17, DJ10, DS97a, DN08, DJL04, FD16, GM10, Guo00, GH07, Guo15, HCC08, HL08, HW15, HFL12, ITZ17, Jov01, Kali96, KS00, KCl00, Kni94, KDK17, KN93, Kwe03, LA11, LR00, LO96, Med96, Nor97, OK98, QR03, QMLC15, QAMX17, RV05a, RK91, SH10, She96, SA00, Syl96, ST86, TH18, TLV92,
Nicolson/Adams [ZJH18]. Nine [Pot85, Lyn92, WG11]. nine-point [Lyn92, WG11]. Nitsche [BDVD12, BH12b, DZ12a, DBVD10, MAG13]. no [BeTBV87, Kni95, Tsy96]. nodal [HMdV13]. node [Bai97, EN09, SGN08]. node-centered [EN09]. node-centred [SGN08]. nodes [CMP15, CHS17, KK90b, SR09]. Noether [Dor01]. Noether-type [Dor01]. noise [AHO16, CL18, KRR12, KKR15, LT19, MH04, MRS10, TN16]. noise-removal [MRS10]. noises [Bac18, ST19]. noisy [KLS13]. Non [ADSS17, AMR12, BS00a, BFdS10, FR14, FB17, LY10, LDP14, PSP04b, PSP05, TJ12, XL09b, AD15, AS11, AHT17, AK00, ACMR06, AMV17, Ang06, ASCM02, AGKK94, AM10b, BB18, BGM19, BRVC09, BM06a, BP12b, BTDV10, BO11, BMV06, Buc04, Buc17, BJ06, BCS06, BB98, CL01a, CP97, CM02, Cat10, CLR11, CC04a, CCK10, CCJ99, CLS04, DDP12, Dea11, DS97b, DM11b, DN08, DSZ15b, DSZ15a, Ehr08, EL01, FvdMS17, Fou00, FM11, GP98, Gul15, GS94, HM01, HLO2b, Jun97, KLSW06, LH11, LRC19, LC99, LOM98, MDR11, MVVA09b, MST09, PGDB08, PFHL09, RS09, RV04, RV05b, Sch93, Sch04, SB14, SYG05, SG00, SA18, Ste05b, TW00, VL08, WZ14, WT17, iV09, Pet92]. non-asymptotic [Sch04]. non-autonomous [CL01a, DM11b, SB14]. non-clamped [BBD18]. non-classical [AS11, CCJ99]. non-commuting [BB09]. non-compactly [Ehr08]. non-conformal [CLR11]. Non-conforming [XL09b, DDP12, DZ97b]. non-convex [AM10b, CP97, CKK10]. non-cylindrical [BCS06]. non-Darcy [EL01]. Non-degeneracy [PPS05]. non-equidistant [DS97b]. Non-equivalent
Non-Fickian [BFdS10]. non-Hermitian [Pet92].
non-homogeneous [AMV17, BP12b, PFHL09]. non-linear [AK00, BGM19, BM06a, Buc04, BJ06, KLSW06, LC99]. non-Lipschitzian [WZ14].
non-local [ACMR06, Ang06, BMV06, MVVA09a].
non-lumped [GS94]. non-matching [BTDV10, Ste05b]. Non-monotone [FBM17].
non-negative [LDP+14, CLS04]. non-negativity [AHT17].
non-oscillatory [TJ12, ASCM02, DSZ15b, DSZ15a, PGDB08].
non-overlapping [BRVC09, Jun97, LOM98, RV04, RV05a].
non-parametric [AGKK94]. non-periodic [BO11]. non-perturbative [Cat10].
non-polynomial [ADSS17]. non-quadrilateral [TW00].
non-rationally [Sch93]. non-reflecting [Dea11, GP98, SG00]. non-self-adjoint [Gul15].
Non-separable [AMR12]. Non-Sibsonian [BS00a]. non-smooth [FvdMS17].
non-standard [FM11, MDRR11, WT17]. non-selfadjoint [HM01].
non-smoothness [FvdMS17]. non-stationary [LY10, Buc17, CC04a].
non-symmetrized [HL02b]. non-trivial [CM02]. non-uniform [FR14, AD15, Fou00, LH11, LRC19, MST09, RS09, SYG+05, SA18, VLO8, iv09].
noncompact [Maj14]. Nonconforming [BMS89, JP08b, YLLO9, CK98, CJS04, GHT05, JK14, Kan04, Kim12, KOS+12, MCS06, MZS10, Osw97, Par04, Ris05, SY18, VMS07, WSY18, ZCZ15]. nonconstant [CCL04]. nonconvex [GT02, SL08].
nondegenerate [KL09]. nondifferentiable [MH16a]. nonexistence [BSV09].
nonhomogeneous [BJ00]. Nonlinear [Bar05, BL91, De 93b, DSS15, EH91, MSS+15, RBBC85, Ren13, SM85, SW13, SCT05, Tan01, WZL08, AC98, ADR17, AAM03, AB07, ASZ18, ALM04, AD18a, AD18b, AO91, ADH00, AMS14, Bac14, Bac16, Bac17a, Bac17b, BY09, BHJJO6, BLS+17, BG04, BM03, BNH01, BS10, BKP14, BSV09, BSQ96, BBR197, Bog16, BGP11, BVR194, BRBB18, BT98, Bru92, BC97a, BKW06, BRS+18, Bus06, CCG13, CW98, CS94, CCL13, Cha17, CR05, CL07, CZY08, CNS00, CGPT19, DW00, DS17, DA17, DM09b, DZ12b, Den15, Die15, DSSC13, DL16, DHH09, ESEK10, EJS11, FID18a, Fdi96, Fer96, FLO3, FVS7, FJS99, FL01b, GLS09, Gan09, Gan96, GS99a, GLLW14, GM16, Gar96, GHKMO9, GMS12, GO18, GON06, GGNP02, GT93a, GKA17, HM87, HJS97, HdrRI17, HK93, HM09, HS95, HJKW17].
nonlinear [HJJL18, HQYL19, Hua98, Iga85, Ius97, JZK06, JRT90, JW01, Jia12, KM95, KK06, Kim07, KNT13, KSS16, KS04, KKP17, KK17, KLW10, LPT94, LW93, LOS03, LA11, LHWW17, LY03, Liu09, LZW14, LMP99, Luo18, Ma03, MH16a, MMP09, MPDP1, MK14, MP11, MS19, MS02, Mik97, Moe98, NC16, Odi19, Oji88, OT02, OTO4, PM91, PD01, Per99, PA91, Rha99, RLHC19, RT14, RV05b, SH97, SH09, Sch99, SG97, Sch87, SY05, SY07, tsqWyG16, SZ12, SZ17, SVB17, SC03, SS09, SG92, SL01b, Tah96, TH09, VSG17, VP19, VMP03, mWyG00, Wan01, Wan07a, Wan1b, WL09b, WC11, Wan11, WZ14, WGW15, WZ16, Wan17b, WL18, WMLB19, Wei09, WP99, WB03, XZ19, XZZL07, YHI8, YLS+09, Zha96, ZH09, ZZW97, Zha01, ZPT92, ZW19, ZZ19, in 95].
nonlinear [Fuh01]. nonlinearly [MˇS99b].
nonsingular [MS99b]. nonlocal [ADFR18, Bor02, Deh05, DM09b, KBS11, MVVA09b, NY13, PD01, VS91, ZWJ18, Zhe19]. nonmodal [Dat99b].
Nonmonotone [ZH15, BBD18, Yu08]. nonnegative [BWY03]. nonnegatively [FLMR14]. nonnegativity [Hor93].
nonnegativity-conserving [Hor93]. nonoscillatory [HOEC86]. nonparaxial [MP11]. Nonreflecting [Rya00].
nonselfadjoint [CX01]. Nonsingular
Nonsmooth [LO96, ZXW17, Aca12, BG02a, BRW17, BRS^+18, Nke07, Ri92]. Nonsmooth-data [LO96]. nonsolvable [CC90]. Nonstandard [KCC04, BF01, Mic03]. nonstationary [Cao01]. nonstiff [AJ19, AFS00, BF92b, Cha98, CM07, CX08, Pan07, VSG94]. Nonsymmetric [AL05, Cao98b, Cao09, CK98, Jes93, KG90, KCB02, MRS10, SEGV02, YG95, YSBL14]. Nonuniform [JM94, CS18, DSSC13, Li01a, MS90, Tur86, KQ13b]. nonviscous [LKJ07]. Nordsieck [AH15, BJ05, PWS06]. norm [AFF^+15, CKB12, CXZ14, Che16, Dol14, EFLFP09, FP02, Gab02, Hor99, JM05, Kra92]. normal [CFRA08, CJK90, FH10, FMI15, GS09, dPT96]. normalized [Auz03]. normed [BRIP08]. norms [Bre02a, GCHR06, HJP10, TM05]. note [Ano04m, AHS03, Ber15, Cao97, CS17, EK96, GLM18, HV95, Iva07, JW01, Jun07, KM16, Li12, Lon88, Mar93, MVVA09a, Mdd04, NR14, O’L87, RSK14, TY03, Wel10a, YSBL14]. Notes [DT10, BW96b]. Novel [BLD17, NMSF94, KCY19, LMSW17, LCI18, MC17, ZSL17]. NuD [CAAT16]. NUFFT [MZZ17]. nullspaces [SY05]. NumAn [ADC^+16, HKNV16]. Number [FG01, PG86, BG11c, BS96b, CH95b, CG14, FHM^+02, GK19, GS09, GP103, HD04, KO96, Kwe01, LH08, LH09, PBC08, dc18a]. numbering [BW97]. numbers [BBLT15, CMS06, GK93, LI18a, SQ17, WIN01]. Numer [Kni95, TLP18a, Tsy96, YP18a]. Numer. [BtTBV87]. numeric [CBHY11]. Numerical [Aff94, AD08, AJT19, Ale11, AL03, AO05, AS06, AL03, AM04, AN02a, AM10, AR94, AS06, AC16, BP02, Bec02, BDe12, BN06, BG14, BBCS05, Bho11, Bho12, BR94, Bor16, BMP05, BBL02, BG11c, Boz11, BFD007, BGHR12, BH85, Cahn92, CDV00, CCMSS11, CCG13, CHPV09, CST18, CCK03, Che12a, CBD16, CF08, CF05, DZ12a, Dal00, DS07a, DGCW17, DG96, Den07, DL13, Die15, DRC85, DLM02, Eis86, EZ03, FF06, FM13, FM18, GM85, GKT10, HKS86, HM87, HLR18, HM00, HJ06, Jac87, JRW06, JRP06, Jun06, JTN06, KKH91, KO92, KW95, LP07, KS04, KPR12a, KDA16, LA12, LMV17, Le12, LLLT07, LZ17, LKJ07, Lio97, LP97, LRE04, MO17, MP96, ML16, MNR14, MF99, Mat08]. Numerical [MS02, MQ00, MH04, MMM19, Mok17, Moo95c, MRFF17, Mot17, NS12, NER95, ND85, Nü09, Obe15, PT09, Pel15, Per88, PS00, PA05, PWS98, Pot97, QAE^+09, RP17, RC18, RMM12, RLHC19, RAOC18, RMS17, RX08, RO16, RBT15, SA90, SKBA08, SKAW12, SH02, SR88a, SWW17, SC03, Son91, SR88b, ST05, Spi09, Spi03, Spi97, SG92, Str98b, SH91, TER03, TKN11, Tia15, Tsy98, VA05, Van92, VBD93, VP91, Wan09, Wee01, Wu09, XGM08, Xi08, Ye04, ZCSH11a, ZAB15, de92b, de93a, vHA98, ALMM01, Abu04, AQ08, AL95, AEMX17, APA92, Ang06, AD01a, Aru93, AS00, ADD14, AM16b, Auz03, ÂMS14, BDMG12, BBV13, BG94, BKZ29, BB04, BB15, BDNV9, Bla01, BCF^+13, BtTBV87, BDFV95, Bor02, BJH13, Boy91a, BFD10, Bre10, BS08, BUC04]. numerical [BGS02, BC89b, BC89c, CFK07, CL08, CG92, CL85, CD95, CW98, CP05b, CGN03, CJ18, CJ90, CZY08, CLTA18, CAAT16, CNS00, CM04, Cil95, DZDZ05, DS17, DG10, DA19, DZ12b, Den03, Din19, DMQ02, DSK12, Dob05, BBBH14, DC09, ESEKZ10, EL01, Fal00, FW07, FH10, FJ97, FL15, FdSB02, FMSV07, Fra04a, FLL11, GQA9. Glb93, GML00, GMFC02, GLM09, GOMP06, GKL07, GL17, GN86, Guo96, HZBM05, Har09, HHT97, HM01, HJ05, Hm87, Hor99, Hor02, HA16, HJB09, IV16, Is89, IM04, JL91, Jac96, Jad94, JK17, JL17, JR02,
Numerical [LP00, LD02, DLM16, Ma03, MDD14, MPTT17, MS03, MS19, Man97, MRF00, Map05, MVVA09b, MV17, MSS^+15, MP15, MDD18, Mur15, Mur99a, Mur99b, NRWF08, NK11, NMKE13, NMSF94, NLS18, NT92, NS16, OS08, PR89, Pet00, PP92, PFHL09, PCA10, Ram94, RI02, RG05, Ri92, RMK09, RT95, RTT01, San89, SB03, SY03, Sch91, SS94b, ST19, Sid10, Sid14, Sim93, Sim91, Sol15, SvdHK94, SS02, SW11, Tah96, TYKK01a, TOD11, Tho85, TK05, Tor06, Tou97, Tsy96, Uty08, VO00b, VV07, VV95, Wag85, Wan01, Wan07b, WL10, WQ17, WH18, WB92a, WCGW95, XL09a, YBL13, ZWH^+17, ZL11b, ZML^+12, ZP97, ZCC11, tV87, van98, van98, vdHSW98, Ano87a, BJS12]. Numerically [War92, CH04, WT08]. Numerics [FJH^+01, HW04]. Numerov [AGM09, FW08]. Numerov-type [Sim91, FW08]. NUMOL [Dia95]. Nunziato [TKN11]. NURBS [ZS18]. Nyström [Pat98, AMCM08, BDP99, BCR01, CL14, CPR93, DM11b, Fer09, GMG04, GML0, Hao15, Lab98, LW17, LS05, Mur98, Pat00, PA05, Som93, Tan09, VDVV98, VV02, vSC92, CH95b].

Object [LLS^+96, EMMK01]. Object-oriented [LLS^+96, EMMK01]. objects [DH12a, ESS15, IT07, QL16]. oblique [Sod91, WN12, WL16]. Obrechkoff [VV09]. Observations [Pet87, YGY15, YK07]. observed [VV01]. observers [PGC01]. obstacle [BS14b, Imo00, KJL12, Map05, QL15, Zou11]. obstacles [WG19]. Obviating [AM16b]. Occasion [CHM09, EST15]. Ocean [AL87, Beh97, Lee94, LG02, RG05, RMM12, RW87]. October [Wen10a]. ODAE [PP92]. odd [AS05, BtTBV87, tV87]. odd-even [BtTBV87, tV87]. ODE [Aro96, BM09, MPG^+16, SSV89]. ODEIVPs [Bur93b]. ODEs [ABH14, AH15, AB97, AV96, AB98, AB09b, BK06, BM06b, BKW06, BP06b, CCMS11, HW99b, KKP17, LSW07a, Mur98, Mur99a, Pat98, SC11, SA12b, SK16, VS95, WSP97, BT97b, BM02, CM97, CPR93, Gea93, GX93, Jac96, JN02, MW93, MQ03, Sa89, Sha85b, Sha05]. off [FV85, Fuh01]. off-diagonal [Fuh01]. oil [Aff94, FBS09]. Old [Cuy90]. Oldroyd [ZQY18]. omitted [BB10]. on-the-fly [BMR^+17a]. One [Bac14, BFA93, Bho12, BFA93, Bok03, CP05a, Chi93, CY05, CN11, DR09a, DL13, Eir99, EK97, FP02, FD97, FSB02, FR18, Guo01, HZ09, Hin97, Hor99, Hua00, HL89, Kam00, Kie95, KS09b, LL98, LAH09, MQO17, MI13, Moo95b, Mus11, SMEN04, SLJ6, SM93, Sha85b, SJ11, SW12, TYJ11, TM04, Ver93, WZL08, Wan17a, WSS97, XZ19, YDWV97, ZH09, ZZW97, ZQL11, Bru97]. one-block [Guo01, ZZW97]. One-Dimensional [Pet87, Bfa14, BFA93, CY05, FP02, FD97, HZ09, Hor99, KS09b, LAH09, MQO17, Moo95b, Mus11, SLJ6, SJ11, SW12, ZQL11]. one-leg [Hua00, WZL08, Wan17a, ZH09]. one-level [KL09]. one-parameter [Hin97, XZ19]. One-point [Gil10]. one-speed [FsdSB02]. one-stage [Chi93]. One-Step [De 88, Buc06, Bok03, EK97, Kie95, SMEN04, SM93, Sha85b, TYJ11]. Ontario [CFTW08]. Open [Gus88, Gla93, HGR01, HLL09, Kim14, Mai09, Man97, Mar94, RW87]. Operational [MZ87, LIPT18, Lub92, MS19, Mok17, dHV13]. operations [HR14, IMM04, MI03]. Operator [GV02, AMT13, AHS03, AB14, BF15, BMR^+17a, Bic12, BC05, BC04b, BFH09, Bre06, CM02, GK09, IHS13, Kan04, KJ13, Kuo85].
Kie15, KNT13, KvyS15, LIPT18, LMS08, MS99a, MV18, Odi19, Ost02, SCT05, SN04, WK00, WWLS08, ZZ18, ZWH +17.

operator-splitting [AMT13, BC04b].

operators [AL95, Auz03, BRIP08, BK06, BCE04, BMV06, Chr01, EH07b, GGMP88, GSR00, GP04, GS05, Haa97, HB02, HH98, HM01, HZ02, HS97, Osw97, PGA93, Pel15, RGÖS18, Str98b, SGN06, Xni13, YBL13, vSW90].

Optical [BFS17, ASZ15, AES13, BCMV03, Den07].

optics [DHL00, RVdCVR02].

Optimal [AMP03, AMCM08, APA92, AW09, BTBR19, BS05, CC18, Chi93, DM09b, GS99a, GP98, HJKW17, HJJ18, IPL02, KP18, KMG09, Kwe03, LMWZ10, MG97, Nke07, ST09a, SHA12, ZZHS18, AA04, AM99, AM00, AVVMVM09, ARSW05, BCT16, BG08, BGP11, BVB09, BSZ15, CKP15, CL18, ECOB07, EKL09, FG13, For11, GKB9, Has08, HL19, KP15, KR15, Lot19, MZS10, MK16, NK11, Odi19, PL03, RSD +06, SS19, SG00, Sim94b, XL11, YGY15, YK04b, YC16].

optimization-based [FG13].

Optimally-stable [KLSW06].

Optimization

[Bei87, CD19, Jor11, LHÖ13, SS09, AH09, Ad99, CH57, CD18, CMS06, DW15, EM05a, EM05b, Fer14, For02, GM08, GM08, GM10, GGPNP02, KK11, Kok08, KLS13, KL17, LS10, LS86, LT05, ML16, Meh08, Min87, NK11, Onu11, PCR17, RP01, Ren99, Rha97, Rha99, SP99, Sch09, SW09, SA08, SdSC99, TLP18a, TLP18b, WM08, Yu08, ZWL11, ZP12].

optimization/simulation [Min87].

optimize [CD18, IMM04, MO3, SH02].

optimize-then-discretize [CD18].

Optimized

[Chn17, QLL +08, Tsi01, AKGR14, CM02, GKMSS09, Mar05, SEGV02, Ven15].

optimum [Meh08]. option [AD99, CF08, FV01, GGO13, KKT16, LL15, ZW09].
[LE94, LL02, Lua17, Luc05, MPTT17, MS08a, MVVA09a, Mat09, MYSC17, MMM19, MFM16, MD96, MRFF17, MK99, Mur98, NK11, Nap16, NSCC19, NT16, Nic86, PZMX16, PGDB08, PCR17, PJB04, QW04, RZ00, ROB17, RZ18, Ran15, RA03, RR00, Ris05, RT14, Rog19, RTU15, RO16, SMJ12, SST12, Sac93, SA90, San02, SM93, SB14, SD13b, Sha87, SY18, SZE, Ske93, SvdHN86, Som93, SA18, Ssvk94, STS00, SS09, SS13b, Ste08, Str98b, Sub04, SW17, gTpM07, TX18, Ten15, Tob14, TZA13, Tol03, Tol04, Ton04, TDPU17, TY00, VV09, Vej10, Ven15, Ver96a, Ver06, VL19, Wai98, WKM04, Wan07b, WL09b, WWX13, Wan17b, WMF17, WAV12, WC14, Wen98, WB03, WYP12, YV17, YT00, YC13, YDWW10, YZX18, Zha96, Zha14, ZWH, Zha19b, ZZW97, ZFX17].

order [ZX14, iW09]. Order-dependent [ZJ10]. Order-preserving [ZM17]. ordered [HP97, Not92]. orderings [Ara99]. orders [AMP03, ESEKZ10, SV00, Ts901]. ordinary [AT93, Bac16, Bac17b, BJO5, BZ92, Bok03, BJ11, BC89b, BB96, BB98, BC95, BJ96, BJ98, CL01a, CD95, Den93, Enr06, FMMK01, GGP88, yGpY09, HJ05, IM98, Ise02, JI17a, JZ95, JZ96, KC19, LMSW17, MP94, NMKE13, RT95, San89, SZ12, SCvdH92, SLO1b, Ten15, TJ11, Sy96, XLFC00, YCI13, ZG92b, ZLX19, ZC99b, in 95]. orientation [ACM91, ZML+12]. oriented [AS05, EMMK01, GG95, LLS96, MP96, SG05, WSS97]. Ornstein [ZGO12].

Orthogonal
[Art63, BDMGVO05, AyLvW18, ADG11, BSFDM02, BR01, BR16, Bre91, BDRZ04, BDRZ19, CIZ06, CKLO3, CMRI2, Chu03, Cod08, DAI18b, DR01, DMR10, DIR13, DM97, DJM09, ERS00, FRV11, FR18, FML17, GG19, Hig96, JT09, Jou09, KS10, Lee10, LFB00, LZW17, LZY09, Mar94, MM02a, MdR05, Mie89, SG09, SLZ10, TJK18, WM07, dACR10, RMM12]. orthogonality [BDRZ04, JJ15]. orthogonalization [S99, ZNK02]. orthonormal [CC04b, Che12a, CEW00, Den93, DSS15, DSS15a, Eva94, EW97, EC07, Fra04a, Fra06, GMG02, GMG04, Has09, Has13, Isc02, KM17, KCI03, LWX10, LTT19, Maj17a, Mot17, PGDB08, T12, IV05, WWX13]. Oseen [AKL08, Cao10, Cod08, KLY05, vdVS08]. Osher [HS86, LDIW16]. Osher-type [LDIW16]. other [DLMI16, Ske99]. otherwise [BB10]. Out-of-core [MMBB07]. outflow [Nor97, Nor99]. outflow-explicit [MOU14]. output [CDGA17]. output-based [CDGA17]. overdeterminations [HP14]. Overflow [FT96, FT06]. Overhauser [Arc06]. overlap [Pav00]. Overlapped [DS07c]. Overlapping [Coy12, TMS87, Wan05, ZHL03, ABC18, BRVC09, Jun97, LOM98, RV04, RV05a, RGL16, SA12a, de 95a]. overrelaxation [HP92, FP03b]. overset [LL+08]. Overview [WP99, FNT06, Hsi06, MLK06, SV95, Wei95]. own [KV07].

P [CHM09, Kan04]. P.D. [Ano87a]. P2 [Kim12]. P_SPARSLIB [SW95a]. package [HSW99, HS02, HK93, HVY91, SH02, dH95]. Padé [Ari87, Kid90a, Sad06, AEG12, Bel91, BW15, Bre96, Bre02a, Bre10, But09, CL06, Cat10, Dar90, DGMV05, DMGV09, GLLW14, Gil10, GVP93, GM94, KS91, Kid90a, Kid90b, Lor10, MdR05, OGV92b, Pre90, Pre95, Sad97, van86a, vI87].

Padé-type [Ari87, Kid90a, Dar90, Kid90b, OGV92b, vI87]. Painlevé [AY15]. pair [Cul95, FW07, Ts01]. pairs [BL05, BS92, Hag97, SV00, TM15, Ver96a].

parabolic [AP16, ADK94, AES15, ADFR18, AMC02, AAI′93, APJ10, AED12, BKM13, Ben17, BC08b, Bog12, Bog16, BJ03, BJ06, BCS06, CS94, CJ18, CX01, CL10, CL01b, Deh05, DSSC13, ELCWS98, EL94, FID18a, FHK05, FM95, FJS99, GQ89, Gol00, GDS′15, Gon06, HZBM05, HKO12, HM01, HP14, HW04, HO05, HCY18, IVA93, JCR93, JG00, GDS′15, Sea09].

parabolic-hyperbolic [GDS′15, Sea09].

parabolised [BS08]. Parallel [AB09b, BOEP00, BDF94, BS92, BTDV10, BMT′93, BT98, BF95, Bur93a, BT00, BC95, CSXL14, Con89, CP17, Der92, DF96, FLO′97, FV99, FPS15, GM93, HH10b, IM02, Kie95, LCS19, MW93, Mic95, Mic99, Nak05, Ore93, Pet92, PV93, SK97, Sch91, SH10, SQ17, Ste05a, WSM04, YH07, ZC91, ZX09, vSC92, vC93, van93, vdHMdS99, AT93, AB98, BN99, BC99, BMR′17a, BRSD91, Ben96, BMN01, BT02, BTP96, BDF95, BS91, BM18, BT93a, BT97c, BDF96, BS00b, CKB13, Ohr02, CM07, CX08, CPR93, Cve02, DDSF07, DV93, FL93, FL01a, Fre91, Gen06, GY94, GGM95, Hab08, HY02, HV91, Jez99, KG90, LS99a, LYOI99, LN92, Noo95, OP04, Oos95, PSB91, PSW02, QR03, Qu96, SW05a, SWE05, SWJ09, SK91, SCvdH92, Som93]. parallel [Tsa91, Tsa92, VG04, VS94, VP91, WKP12, WWS′93, WCGW95, Zar99, dH95, dDF′94, de 92b, de 95a, dv95a, de 95b, vs93, vs96, vvdV97, vdSvdH95, dH95]. parallel-iterated [CM07, CX08].

Parallelism [Che88, GX93, KP07, DDD01, Gea93, SD93]. parallelizable [Kim94]. parallelization [Jun97, RRM12]. ParalelloGAM [AB98]. Parameter [BBV05, BP92, KK06, OS08, San18, SWJ09, SSW04, AMV03, AD04, BO04, BR94, Deh01, DT89, Ein99, EG88, FH′01, GP06, Hin97, LN08, MCS06, MOSW00, Neu88, Sim10, XZ19].

parameter-uniform [FH′02, MOSW00]. parameterisation [CM04]. parameterization [Gar05, LG02].

parameters [AB09a, ABP95, BAP′06, BD07, BBC05, BCVM03, BS00b, Cat10, CJL13, HK09, MW93, Pul09, WL09c, Zar17, ZFX17].


Partial [BGHR12, BGH′15, Luc05, Pet87, Rei85, AM99, AM00, AMC08, AF89, ARS97, BHJ05, BJHJ06, BKP09, BRRS15, BTTB87, CGEV19, CSS87, Cha98, CL01b, Dat99b, DS05, DMGV005, FID18a, FL93, GVP3, GM17, GN86, GOG13, HP18, HR96, HL89, JZK06, JUMP10, Koz94, KP15, LHHR94, Lay09, LW18a, LYK17, LS98, MT11, MZK05, MT06, Men14, MIM19, Ov92, PM05, PAJ12, PT15, Pre90, PG02, Pul09, PSL18, RA05, SS05a, Satt05, Sch87, SD13b, uVS13, SC17, TN16, Tan93, Tho85, Tau15, TS08, TDPU17, TV91, Tr93, VC10, Ver96b, WSS97, WdG92, YDWW17, dDF′94, vT97, vSW00, van96].

partial-integro [CGEV19]. partially [GLMY17, GLM18, HP97]. Particle [CKM15, MP85, CDD00, Cat10, CK06, GS15a, LL06, Nic86, RA03, SKR′16, Tow16].
ZML\textsuperscript{+}12. Particular
\cite[PCA10, Pré95, ZPT92]{Particular}. Partition
\cite[CDD\textsuperscript{+}17, BSP04, Mit97, PPS05, SH10]{Partition}.
Partitioned
\cite[BD17, CH95b, DM11b, HR06, Ree03, WGKS12, Wen98]{Partitioned}.
Partitioning
\cite[DS02, HW06, BSW93, FL93, GY94, RP01, TD09]{Partitioning}.
parts
\cite[RGÖS18, Str98b]{Parts}. passing
\cite[BC99]{Passing}.
Partnership
\cite[HL97]{Partnership}. parts
\cite[RGÖS18, Str98b]{Parts}. passing
\cite[BC99]{Passing}.
Patankar
\cite[BDM03, KM18]{Patankar}. Patankar-type
\cite[BDM03]{Patankar-type}.
Patch
\cite[LSGK15, VR01, ZY14]{Patch}. patches
\cite[WM08]{Patches}. path
\cite[KP18, LDIW16, RP01, SZ99]{Path}. path-conservative
\cite[LDIW16]{Path-conservative}.
path-constrained
\cite[RP01]{Path-constrained}.
Pathology
\cite[AQ00]{Pathology}. paths
\cite[HHW18]{Paths}. pathway
\cite[Patrick]{Pathway}.
Performance
\cite[BDSG09, GY94, LS07b, MRV93, WT08, BMR\textsuperscript{+}17a, BDP96, CB99, Dea11, Du11, Fre91, Gen10, HD04, JI94, MM, S169, Slv89, Win92, van98]{Performances}.
performances
\cite[CCM17, CG03]{Performances}.
Periodic
\cite[GM85, BK14, BDKM92, BO11, BMM97a, BMM97b, CDP17, CCPF04, CW18, Con99, DG10, DB95, DCM\textsuperscript{+}19, FJ09, Gil88, HJ17, Jac88, Lem88, Li00b, MN08, Ns16, Ngu15, NT16, PPS10, Pat98, Sid14, SvdHS96, SS09, VV95, Vla92, Zha14]{Periodically}.
Periodically
\cite[XB95]{Periodically}.
periodization
\cite[XB14]{Periodization}.
permeability
\cite[CGN03]{Permeability}. permeable
\cite[CG16]{Permeable}.
Permutation
\cite[BCL15, PBC08]{Permutation}. penalized
\cite[KvyS15]{Penalized}.
Penalization
\cite[BCL15, PBC08]{Penalization}.
Penalty
\cite[BA94, AT13]{Penalty}.
Penetrable
\cite[BBLT15]{Penetrable}.
Peek
\cite[CLP15]{Peek}.
Peaks
\cite[Cul95]{Peaks}. Peer
\cite[PWS05, SW12, WSP04, CMRV11, GLPW09, JK12, S169, S179, SW18, WE12, WK12]{Peer}.
Penfield
\cite[JK17]{Penfield}.
Phase-field
\cite[JK17]{Phase-field}.
Phase
\cite[JK17, Boz11, CH15, ER07, GKH16, GOGF03, KMM, KNP16, LDG1, LL98, LY08, LMY18, MR06, Pat00, RZ15, Sch16, SY08, S09, TCCW89, TKN11, WG98, WM08]{Phase}.
Phenomenon
\cite[BCJW17, FRRJT10, Jun07, RSL89, BO11]{Phenomenology}.
Phillips [Lub92]. photonic [NS13]. physical [YK04b]. physics [AK09]. physical-based [AKP15]. physiologically [BL15]. Picard [Lay08]. Piece [LST17]. Piece-wise [LSY17]. photonic [NS13]. physical [YK04b]. physics [AK09, Cat10, MA09, PCA10, Sam94]. physics-based [AK09]. physiological [CKP15]. physiological [BL15]. Picard [Lay08]. Piece [LSY17]. Piece-wise [LSY17]. pieces [WWS+93]. Piece-wise [PGS10, RF16, Bec18, CL14, DS17, GVS19, LZ17, Pic05, Pla08, Sti03, TL07, XZ19, ZWL11]. piezoelectricity [MZ04]. PIM [dH95]. pipe [DM09a, RR00]. Pipes [hYK86, TT03]. Piskunov [BFdO07]. pitching [OK98]. pivoted [HPS12]. pivoting [GP93]. placement [YK04b]. planar [BF01, EM05a, EM05b, Gab02, RA599, SK01]. Planck [CjW18, Van92, jWyG08]. Plane [PGM86, LHC09, MM02b, Mik97, MS99b, PA18, Wan05]. plane-wave [PA18]. Planewave [NS13]. Planning [MZ87]. Plasma [DRC85]. plastic [HS07]. plate [BLS94, BH12a, CM09, yDqGnJT09, Fai00, HLC01, KX03, YTZZ18]. plateau [Wal95, Har09]. plateaus [Cul95]. platelets [SWFK13]. plates [CCS02, KK06, Lam13, NMSF94, QR03, Wei18]. plotting [FH04]. plug [FMSV07]. plus [Haa97, LY01]. PML [CWM09, Kim14, TY98]. PMLs [BP12a]. POD [DA18b, YV17]. Poincaré [DFL05, Hau88, Lev91a, WE99]. Point [Pot85, SM58, AD09, Ano87a, AL05, Bac18, BM12a, Bec18, BCC16, BB10, Cao03, Cao07, Cao09, Cao10, Car09b, Cas96, CW98, CJL13, CL07, CC08, Cui04, DJ10, DMGV05, DMGP09, DMPS06, EHM01, Elm02, Gil10, GVP93, HK93, HM09, Ius97, Jac93, Kat95, KS01, Kor95, Lyn92, OG08, OGV92b, OGV92a, PPT02, RV05b, SJ18, Sim04, Ske99, Ste97, Wan07a, Wan11, We10b, WG11, WYP12, XZZ15, YW19, YP18a, YP18b, YZH19b, ZZW97, Zha07, Zup03]. point-like [CJL13]. Points [Eis86, Bal00, BS00a, BE99, CN15, FG13, Gil91, HM09, HS95, LZZ18, Maj17a, DE18, Nov03, Oji88, OL18, PSP04b, SK10, SL08, Wai98, WT08, Xu16, YT03, YDWW17, ZSJ04]. Pointwise [Len00, Wei09, ZMC13, BSZ15, Fra14, TM04]. poisedness [WW05]. Poiseuille [MM07]. Poisson [AO91, BSGU94, BS14a, CHPV09, EK06, HLY04, HLZ06, KRBK16, LX08, LHWF08, LW07, Phi91, RV04, She00, Zhe07]. Poisson-type [AO91, She00]. Poisson/symplectic [LK08]. Polar [SR88b]. poles [Jad94]. poles [AQJ18, SMJ12, SL01a]. policy [RF16]. pollution [AVMV09, Bou16, DS03, TM04]. polydisperse [MM14]. polygon [AM10b, CCK10]. polygonal [Hin97, LHWF08, PR09]. polygons [CF18, GFG18, LD10, VMS07]. polyhedral [RA09, Yo00]. polymer [ABP95]. Polynomial [BSZ99, BDV17, Pu99, Pul12, Rus95, SW98, AA04, ADSS17, BM04c, Boy06, Boy07, BS09, BO11, CP94, CJL13, Che12b, CS17, DJJ+15, GVS19, GJ17, Han06, HL08, Iva07, JBLC11, Kid90b, KY17, LZZ18, Mar99b, MN03, MQ03, Mie89, Pha08, SD13a, SZA1, Win01, Win04, Wu03, ZKW15, de 92a]. Polynomialization [Boy07]. polynomials [AMT17, AyLqW18, Alt85, ADG11, BR01, Ber05, Boy10, BWY17, Boy15, BRS16, Bre91, BDRZ04, BDRZ19, BDMGV05, CMR12, CKM10, DGV00, DR01, DM10, DIR13, DB08, DM97, DJM99, FRV11, FR18, GSW09, HS19a, JCN94, JJ15, JT09, Jou05, KP92, Lee10, LY10, Mar94, MM02a, MG97, Nap16, Pat98, Per03, Sim94a, TJK18, dACR10]. polynomials/functions [GSW09]. polyvalent [CMR94]. population [AM95a, AMT13, ALM04, Aya09, DFLM19, LS16, QAE+09, SH97]. poroelasticity [GM18]. porous [AKT97, BM04a, BM04b, BBL20, CCK03, CML05, Cho13, CD13,
DCN$^+$19, EH07a, EWW99, FBS09, GJR03, HJ09, HGW16, KT05, KMR09, MK14, MCM12, SR88a, SY08, ZYSZ14. Portable [PSB91].

Positive [BW95, Cao07, DBCBPP10, Ara99, BRBM08, BBKS07, Cao01, Che12b, CL88, DL01, GP93, GP04, GP17, KCB02, Liu02, Lu98b].

Potential [Man96, BP85, CHPV09, CJL13, DD97, DS97b, FS15, FJP17, KK02, LWD$^+$09, LN08, ST14b, SZW19, VZ03, dRT99].

Potentiality [BT97c]. Potentials [AES15, AEMX17, CCP04, EP15, FvdMS17, Gia12, Kam00, MZZ17, RV15, RS00, RU15].

Power [BFGP08, LMS09, MB10, PT09, SST9, SST15, Spe12].

Prandtl [CMP06, FHM$^+$02, PR89, RLSS06].

Preconditioned [WW07, AGJ12, AG05b, CR05, DW00, HVY91, YG95, YH18].

Preconditioner [BTMT08, Aro96, BvG19, BLY17, BG11b, BCSH16, D095, D098, Dor91, Fu99, GS92, HY02, HvHV10, KKP07, KM16, PM03, SWX00, Ste97, Wan05, WCXL09].

Preconditioners [Elm02, AK09, BT99, BS10, Buc17, Cai15, CRS05, Cao07, Cao09, Cao10, CES91, CH01, DdSF07, DJ10, EVO04, EVO06, GGM07, GCP91, GGR97, Hao97, Kos02, MB10, MD96, NR14, Osw97, PS09, Sim04, ZNK02, de 95a].

Preconditioning [AES13, KK09b, NRZR12, OKS10, Sam03, AS15, Bai96, BT93a, CD18, DB07, DDS99, DSSC13, Gen10, GKMIS09, Guo96, HLMP09, Huc99, JP19, KJ99, ML91, Mun00, Not99, SW08, SH02, Tur93, WZ02, Zha00].

Preconditionings [BD85]. Predator [CL02a, Wan09]. Prediction [Bre85, Cat10, YH07, ZHJ14].

dForecasting [ZHJ14]. Predictor [ASC03, Bur91, CXX15, IM02, JRL91, Wai98, Zla85b, de 95b, vC93, Bur93b].

Predictor [Bur91, JRL91, LLL12, Zla85b, vC93, Bur93b].

Predictors [HR06]. Preface [AMT05, AGH$^+$10, ADG$^+$16, Ano00f, Ano00g, Ano10, AM05, AM08, BGS14, BKV08, BC94, BRZ10, BR09, BGHR12, But94, CPS02, CP03a, DFJ$^+$17, GHR06, GCJ$^+$12, GKS04, HV03, HKNV16, Jac06, JRS14, LST07, PS04, PS05, SW95c, SG02, SSW02, SVSW05, SVAW09, Spi03, Spi04, VS04, VHA12, trDvdV91a, trDvdV91b].

Prefractal [QAE$^+$09]. Preliminary [QLL$^+$08].

Preliminary [TP09].

Presentation [KW12].

Preserved [Tol04].

Preserved-order [Tol04].

Presentation [Ma]17a, Neu88].

Presentation [Son00].

Preservation [HX15, Re99, BMQW16, Ber04, Mat08].

Preserving [Ber05, ABK12, AB14, DL06, DF92, Gje07, HKO12, HMT03a, HMT03b, Hua09, JK14, KGR08, KT05, KMG09, KP01, MDP10, MDSP11, NBN1TV11, PA05, VL08, WH18, ZM17].

Pressure [BC01, CKS05, GP00, GRGJ02, GS18, HL08].
pressure-velocity [LY16]. preventive [KN08]. prey [CL02a, Wan09].
prey-predator [CL02a]. prices [LL15].
Primal [AP16, dRT99, BSZ99, Car09b, HMW05, MDT05, Par04, SZ99].
primal-dual [Car09b, HMW05]. primitive [GGRN17, LLL08, RG05, RMM12].
Prince [EL97].
principle [CL01a, FHK05, SG16, Tad86, Tol03, Vej10].
printed [BLW02]. priori [Cha17, Dek17, HMW05, JR02, KPY15, LMWZ10, MS03, TM05].
prism [LMQZ18].
probability [BD07, DNV18, Shy91b].
Problem [BH85, YK04b, AH09, AMRR18, AB15, AHS03, Ant13, AC18, AL98, AKL08, AMV03, AP08, AS00, APLG +12, BF01, BB09, BM13, BGG04, BM00, BRS05, BRTB19, Ben02, BGM +09, BBC05, BLY16, Bis11, BR94, BJ00, Boz11, BS97b, BP85, BSZ15, BSP04, BP95, CFR09, CL08, Cau08, CGRT18, CG03, CKP15, CMP03, CX01, CH07, CJX11, CL18, CH04, Cop03, CF05, CF13c, CF14, CA15, CA16, CG14, DY17, DT15, Du11, yDgGnJT09, EM05b, EW08, FH10, Fer09, Fer96, FBM17, FFQ09, GS15a, GLV06, GMM09, GMS12, GS18, GOP06, GL17, GGG16, Guo00, HS07, HLZ14, Han87, Har09, HILK13, HJ06, HK85, HX, HIC01, IV16, Ius97, JP08a, Jes93, KS09a, KPR06, Kim94, KS09a, KN16, KNN +17, KS01].
problem [KS04, KKC16, KRBK16, KW03, Kwe01, Le 12, LL98, Leit02, LP00, LMA18, LW18a, LLHC18, LO03, LK07, LL12, LYY15, LW18b, LP01, Luc95, MM18, MG00, Man97, Map05, MN14, MN03, Mat05, MM02b, MS08b, MOSW00, Mol95, MCM12, NS03, NS12, NY13, Nja88, OQ15, OP04, PS00, Pic05, Pol17, QC12, QL15, Ram96, RSL89, RT15, RBT15, SSZ16, SGS00, SR88a, Se14, SC08, SJ18, SK01, Sto96, ST08, Tia15, TT03, TM15, VSG17, VR01, Wall9, WW05, WN12, WL16, WQ17, WW14, WT17, Wu09, YLL09, YL13, YJZ18, YL19, YZH19b, ZT15, Zar17, ZG92a, ZCZ15, Zhe07, Zhe19, Zho17, Zho18, Zou11, vBvdZdB08].
Problems [De 88, Gus88, Per88, SM85, ALMM01, AP16, AL09, AB97, AGJ12, AyLqW18, AES15, AEMX17, AM02, AMP03, AMCR17, AB09a, AMV17, AMR14, AX19, AT93, ASZ18, AD09, AG05b, AC08, AP10, Aug09, ABG +15, ABRW18, AM05, Bac17a, Bac17b, Bac18, BTRBR19, BC12, BS14b, BLS +17, BY00, Bar09, BvG19, Baz03, Bec18, BBV05, BNS01, Ben17, BC08a, BGG12, BC04a, BWD98, BW96a, BCT16, BW97, BC08b, Bic16, BCC16, BGH08, BMRT17b, BMTMT08, BKP14, BS07a, Bla00, BRRS97, BBD08, Boh00, Bg12, BMM06, Bos09, BBLT15, BP00, BJM01, BT95, BT98, BM09, BJ01, BJ03, BJ06, Bur93a, BT00, Bu06, BC95c, BS00b, BR05, BD17, Cah99, CR05, Cao03, Cao07, Cao09, Cao10, CP09, CL85, Cas96, CW98, CM02, Cas06, CS09, CP05b, CES91, CM00].
problems [CP07, CJ18, Che96, CR05, CK98, CC04b, CZ04, CYM09, CL10, CM14, CHS19, CLY19, CML05, Che12b, Clm17, CH13, CJKL98, CG16, Con99, CG019, CN17, Cui04, DZ12a, DPP16, DDHS97, DDP12, DA18b, DW15, DSGC16, DCM +19, DSW96, DS15, DP90, DY03, DL06, EHM01, Elm02, ECOB7, EG88, EGL90, EH06, Ewi91, EL94, EGH1, FMS18, FW08, FH05, FL05, FD97, FH +02, FdSBB02, FMP04, Fra04a, FG09, FL08, Fra14, Fra16, Fun94, GAML04, GMZ11, GM02, GM04, Gen10, GAW09, GS98, GK91, GR11, GPR03, GML00, Kon06, GH02, yGpY09, GFH00, Hab08, HJS97, HKO12, Har98, Har10,
problems
[HSY18, IO18, Iga85, Imo00, IT16, JJ94, JP08b, JS09, Jec09, JK14, JCL18, JR02, JCSR03, JNFC03, JM94, JV09, KDT17, Kat89, KOR18, KG90, Khe91, Kim07, KwS19, Kli15, KLO9, KKWW00, KCC04, KP03b, KM11, KKK02, Kur98, KAS17, LHH96, LWT07, LCO9, LRS09, LV12, LKV01, La07a, Lei99, LFB00, Li00a, Li01a, LY08, LMWZ10, LW17, LLHC17, LIT07, LCO9, LMSW17, LS07a, LX09, LS99b, LT01, LY08, LMWZ10, LW17, LLHC17, LIT07, LC09, LMSW17, LS07a, LX09, LS99b, LT01, LY03, LCJQ12, LT05, LMP99, LT93, LMG02, Lot19, LCO9, LMSW17, LS07a, LX09, LS99b, LT01, LY03, LCJQ12, LT05, LMP99, LT93, LMG02, Lot19, LA09, LFX15, LW95, LOM98, MH16a, MOS02, MK14, MH14, MA09, MS03, M16, MAR94, MS00, Mat86, MS90, Mat09, Meh08, MO1, Men91, MV18, Min87, MRHI4, Nap16, Ngu15, NO01, NFAE03, Now96, OS08, OTK04, PZMX16, Pap95, PAP17, PEA16, Per09, PA91, PV93, PPC00, PJJ04, Pou00]. problems
[Pot85, RP01, Ram94, RK08, RV04, Rha99, Ric08, RV09, RV05b, Ros93, RU07, SSS04, Sac93, SAG86, Sam94, Sch93, Sch09, SKAW12, Sch16b, SME05, Sch95a, S19, SW17, Sha98, SL11, pS1qJcY16, SW16, SJ11, wSJP15, Sim04, SD09, SKW17, Sol15, S1LZ18, SW15, Sub04, SvdVd06, SL01b, SW05, TL07, TDC13, TL192, TK05, Ts99, VO00b, VV02, VVD95, VSS4, Vej10, VBH96, VSeYD02, Vu92, Vu95, Wan07a, Wan07b, WCX109, WL09c, Wan11, WZ14, Wan17b, WCQ18, War92, WWL098, W18, XFLC00, XCS8, XQ17, YGY15, YSB14, YZ17, YC16, Yoo00, Yu99, Yua03, YD07, ZDM18, ZG92b, ZMC13, ZW18, Z18a, ZBY19, ZPT92, ZW19, ZWL11, ZX14, ZS18, Zha05a, ZZC11, FG96].

Procedures
[BSZ15, CIL17, FS05, GGO12, GGO16, LP97, Nor97, Rha99]. 

Problems
[Ano02g, FG96].

Problems
[Ano02g, FG96].

Processing
[ABD16, BLM17b, BZ91, CKB13, KSSS16, RY13, ZO14].

Problems
[Ano02g, FG96].

Procedures
[Ano02g, FG96].

Procedures
[Ano02g, FG96].

Procedures
[Ano02g, FG96].

Processing
[ABD16, BLM17b, BZ91, CKB13, KSSS16, RY13, ZO14].

Problems
[Ano02g, FG96].

Processes
[ABD16, BLM17b, BZ91, CKB13, KSSS16, RY13, ZO14].

Processing
[ABD16, BLM17b, BZ91, CKB13, KSSS16, RY13, ZO14].

Procedures
[Ano02g, FG96].

Procedures
[Ano02g, FG96].

Procedures
[Ano02g, FG96].

Procedures
[Ano02g, FG96].

Processing
[ABD16, BLM17b, BZ91, CKB13, KSSS16, RY13, ZO14].

Processing
[ABD16, BLM17b, BZ91, CKB13, KSSS16, RY13, ZO14].

Processing
[ABD16, BLM17b, BZ91, CKB13, KSSS16, RY13, ZO14].
JVZ97, LIPT18, LBCN00, MCM12, Phi87, RZ04, Riv09, Rog19, Sch93, Ske89b, SG17, TJK18, WW99, XFLC00. property [CMS04]. proportional [AD99]. Proposed [Mae86]. Proteus [Aya09]. Prothero [Ran15, Ran16]. proximal [YP18a, YP18b]. proximity [Zha07]. PSBLAS [DdSF07]. PSBLAS-based [DdSF07]. Pseudo [RZ04, ST86, Con01, CX08, ER18, HS17, HS09a, Hoa15, HH10b, LZ18, MKS12, PBC08]. pseudo-penalization [PBC08]. pseudo-RBFs [Boy15]. Pseudo-Schur [RZ04]. pseudo-spectral [ER18, HS17, LZ18, MKS12]. Pseudo-Time [ST86]. pseudo-transient [HH10b]. pseudocompressibility [She96]. pseudorandom [GPip03]. Pseudospectral [BMV06, HT00, AT15, Aug89, Boy91b, CD00, DDS89, DHL00, EES05, Elg17, Fun90, GT93a, JRo00, KS09a, Mar93, MZK05, TX18, jWyG08, jWjJ17, YH00, ZL11b, ZK00]. pseudostress [CGS19, CLY19, HL19]. pseudostress-based [CGS19]. pseudostress-velocity [CLY19, HL19]. 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 [Rec03]. QR [GS08]. Quadratic [FS88b, Han06, HL02a, IO18, LMS09, LT05, RS14, SE93, AHR12, Bic16, Bra00, BDRZ19, CL07, DW00, Eir95, EB12, GT02, HXW15, HMW05, LP00, LL02, LIX15, MPP09, RL86, ST09, SST15]. Quadratic/linear [IO18]. quadratically [YP18a, YP18b]. Quadrature [KM17, MO01, ADH00, Brec10, BDMGVO05, BGVHN10, CMP15, CCBGV08, CL14, CHH15, Chr01, CEW00, DGVO0, DBCBPP10, Der92, DIR13, EC07, Fid17, HA16, HLL09, Ioa89, KCl03, Kza92, Kza99, LWX10, LFS15, Lub92, Maj14, OR18, Pel15, RdAP96, SST12, SHA12, Sid14, SS16, THe17, VV05, WTo8, XMG08]. quadratures [DMGVPO09, Elg17, MD06, MSP10, Mil17, We110a, We110b]. quadrilateral [Bof06, MCS06, SN04, TW00, Yi12]. quadrilaterals [BSGU94, GHT05]. Qualitatively [Pru00]. quality [BGG12, BS96a, CGCMTR02, Zup03]. quantification [BF17]. quantum [CCP04, JT06b, Lub04]. Quasi [BDRZ04, CPP02, Gar05, JJ15, Len02, MD06, DE18, BWY03, BRIP08, BES18, BDRZ19, Car94, Chu03, Cop03, CA16, Fre91, GMZ11, GLV06, GS05, Jo05, LMS09, LMP99, LD02, RR14, SST12, SST09, SST15, SW09a, WZW13, WW14, WKP12, WG18, BMRI7b, BLM17b, GMR93]. Quasi-Birth [BMR17b, BLM17b]. quasi-boundary [WW14]. quasi-cell [Car94]. quasi-complementarity [WG18]. quasi-consistent [WK12]. quasi-geostrophic [WZW13]. quasi-interpolants [BES18, LMS09, SST12, SST09, SST15]. quasi-interpolation [BRIP08]. quasi-interpolatory [GS05]. Quasi-isometric [Gar05, Chu03]. Quasi-linear [Len02, GMZ11, LD02]. Quasi-Monte [MD06, DE18]. quasi-Newton [Fre91, LMP99, SW09a, GM93]. quasi-orthogonal [BWY03]. quasi-orthogonality [BDRZ19, Jou05]. quasi-static [Cop03, CA16, GLV06, RR14]. quasilinear [Ben98, LL09, Sch87, Vul92, ZLG15]. Quasistatic [CFKS07, WAV12, CFRA08]. quenching [LLT07]. quintic [DS17, Spe12]. QX [SYW18].

R [BE99, WC09]. rabies [AJT19]. Radau
... [AC96, BIM15, GPHA16, Wel10a, Wel10b].
Radial  [GPHA16].  radial
[AT15, AD18a, BAD13, BG11c, CPZ17, Jun07, JD09, KKT16, Sar05, SB18, SJ11, SJ18, Sin91, uIVS13, TLS09, XB14, ZT06, ZHL03].  radially  [AX19].  radiation
[CAAT16, HG98, NC16, OMP98].  radiative
[SK97, Vas17].  radiator
[IV16].  radio
[PG02].  radius
[BK06].  Ramanujan
[AR93].  Ramanujan-type
[AR93].  Random
[BO87, BJ02, BF17, CS09, Che12b, DFC09, HP18, Lav94, Pul09, SZ12, SJ18, Sim91, uIVS13, TLSS09, XB14, ZT06, ZHL03].  random-data
[TD09].  Randomized
[JLL90, OP04, PM14].  randomly
[DH12a].  range
[Auz03, CBD16, Eva94, EC07, Has13, JP08a].  ranges
[spi93].  rank
[BLD17, Baz03, BMR17b, Dor91, DSS15, HPS12, HR14, Hey10, Lai09, SY07].  rank-deficient
[SY07].  Rannacher
[GKMS09].  Raphson
[JLL90].  Rapid
[LR93].  rapidly
[DC09].  reaction-diffusion
[ALMM96, ALMM01, BM01, Chm17, Den15, EV96, HS95, LW93, Lan95, Li01a, LO96, MOSW00, SW13, TMM15, VVR08, Vej10, Wan01, WL09b, Wei09, Won08, ZdBT03, ZCZ15, VK17].  reactive
[CGJ16, KW98, KCC04, SW05].  reactor
[MA09].  Real
[LT07, MZ87, BC99, Boy06, CKLO3, DO17b, DMP99, Gla94, JJ15, KCB02, Ore93, dC18a].  Real-Time
[MZ87, LT07].  realization
[HSW99].  Realization
[HSW99].  realization
[HSW99].  Real-Time
[MZ87, LT07].  realization
[HSW99].  Real-Time
[MZ87, LT07].  realization
[HSW99].  Real-Time
[MZ87, LT07].  realization
[HSW99].  Real-Time
[MZ87, LT07].  realization
[HSW99].  Real-Time
[MZ87, LT07].  realization
[HSW99].  Real-Time
[MZ87, LT07].  recognition
[SS17].  reconstructed
[DL16].  Reconstruction
[CPZ17, CGGM17, GOGF03, ABJ12, CH87, CdCV03, DH12b, DSZ15b, DSZ15a, KHM14, Kim12, LYY15, RS09, RGÖS18, San03, SL17, XZL07, ZC91].  Reconstructions
[AN15, BM04c, BL06, MS08a].  Recovering
[SZW19].  Recovery
[Sch08a, BB94, BGS02, LN08, Nke07, ZY14].  rectangular
[CYM09, HS97, PH91, ST08, WM07].  Recurrence
[Pre10, BRS16, Leo10b, Lev91a, TJK18].  recurrences
[Cao98b, WW99].  Recursive
[FS88a, MST07, BCSH16, Koz94, SST04, SS10].  Reduce
[WSC09].  Reduced
[RB12, dv95a, DS02].  reduction
[AMC02, AMCR17, AFLP12, BMR17b,
Results [Bie87, AV96, BM89, BT98, BJ01, BJ06, BRS+18, BC89b, CKPS15, Fdi97b, FNT06, GH91, GGO12, GSO16, GPHAM12, GPP04, HOEC86, JL94, LLV18, LS07b, LFS15, Ma03, MRF00, QLL’08, San89, Tou97, Van00].

Results [Bie87, AV96, BM89, BT98, BJ01, BJ06, BRS+18, BC89b, CKPS15, Fdi97b, FNT06, GH91, GGO12, GSO16, GPHAM12, GPP04, HOEC86, JL94, LLV18, LS07b, LFS15, Ma03, MRF00, QLL’08, San89, Tou97, Van00].

Retarded [Bic16, DD97, FS15, ZP98].

Reuse [WSC09, CZ97].

Reverse [AGM95].

Reversible [Lei99, HLR01, Lei02].

Review [Gat91, Tur93, ABFV09, Cas06, CV88, GM94, Pla08, Tsy98].

Revisiting [ZB19].

Rezoned [HL89].

Richards [APJ09, BCS17].

Richardson [LX09, NS03].

Riemann [CH15, CG14, IK07, RZ15, Sch16a, SL15].

Riesz [AHO16, CDW13, CLTA18, MCS16, DE18, Zhe19].

Riesz-fractional [AHO16].

Right [AED12, EJS04, SY05].

Rigorous [CY05, JR18, MPG’16].

Rings [DG96].

Ripa [TK15].

Ritz [BGO13, LH02, Lot19].

River [AVMVMV09, HS98, IHS13].

RK-methods [AFS96].

RKDG [ZQLK11].

RKN [Con01, CM07, FG09, Lab09, WMF17].

RKN-type [CM07, WMF17].

Robin [Uty08, BCL15, HS19b].

Robin-type [Uty08].

Robinson [Ran15, Ran16].

Robotic [BdFPSdSC08].

Robust [FH04, DLM16, PFHL09, BGO13, BO04, BW97, BZ17b, CPZ17, DPPR16, Eur94, GOP06, HOS11, KOS’12, LTC03, SZ09].

Robustness [EH08, Fu02, PRG016, WZ02].

Rock [RMCG04].

Rods [Cop03, LA12].

Root [AC10, BASC17, CKL03, Car94, Waa88, Win01, Lu98a].

Root-finding [Car94].

Rooted [Kom07].

Rootfinding [Boy07].

Roots [Alt85, Boy06, Bre06, CP94, Iga85].

Rosenau [CCK08].

Rosenbrock [AMC02, AH17, CO09, HHR12, Nov08, PWS05, Ran16, Wen08].

Rosenbrock-type [CO09, HHR12, PWS05].

Ross [AHT17, WMC09].

Rotary [RVD00].

Rotated [WCXL09].

Rotating [TC03, ZB07].

Rotation [Zan91].

Rotational [AC18].

Rothe [LW93].

Rough [By01, CWM09, HHW18].

Round [FV85].

Round-off [FV85].

Rounding [CH90, RB12].

Row [BS91, SEGV02, GR93, GHV01, SW98, SBG09, WSP97, Wen05, ZK09].

ROW-code [WSP97].

ROW-methods [SW98, ZK09].

ROW-scheme [SBG09].

ROWMAP [WSP97].

Row [KS01].

Rüdiger [GR02].

Rule [CP03b, Ioa89, Str98a, van86a].

Rules [Agua15, BT97c, BDMGVO05, CMP15, CFW00, CBHY11, Der92, ELR’15, FLMR14, GVSL96, KM17, KCI03, Lai09, Maj14, Pel15, RdAP96, SRT12, The17, VV05].

Run [LWD’09].

Run-time [LWD’09].

Runge [But97, Gar10, WBCK02, AHI1, AJ19, AM95a, AB17, Alh96, AMP03, AMCM08, AH17, ARS97, AFK92, BMQW16, BDGP96, BT97a, BDP99, BJ05, BZ93, BV96, Bel97, Ben96, BC08a, BG02a, BCR01, BS92, Bos09, Bot97, BJ11, BO11, Bru93, BJ03, BB96, BB98, But96, BS96b, BW96b, BC97b, BT97d, BC00b, BS93, BS02, CMR94, CH95b, Ciz96, CFD01, CG05, CCG13, CV95, Cas96, Cha96, CCM02, CG13, CCS17a, CS03, Coo89, CST97, CN11, CPR93, DIJ12, De 88, DVV93, DS05, DR09a, DR09b, Dia95, DM11b, Du09, Eir95, EH97, FS05, FS98, Fra04a, GCHR06, GMG04, GJ00, GPMR95, GMPR03, GPHAM12, GML00, HZ96, Hig96, Hig97, HR06, HS09a, Hoo15, HO05, HW15, HHW18, Hor98, Hor95, HEJ96, IRC12, JI17b, Jac93].

Runge [JVZ96, JVZ97, JK94, Jay95, Kau93].

Kau93, KCL00, KC03, KC19, KMG09, KS08, KW98, Kom07, KS89, KS90c, KKR15, KNN09, Lab98, LX08, LW17, LP97, LO96, LS05, MK99, Mur98, Ore93, Ost93, OT02, Pan07, Pat08, Pat00, PCR17, PJB04, PAJ12,
PCRR17, Ran16, ST89, Sch02, Som86, Som93, Spi96, Tsi01, VDV98, VV02, Van00, VZ93, Ver96a, Ver06, Ver96b, WGKS12, WYL11, WSW96, WX06, YC13, Zen93, ZZL10, JJ91, ZFX17, ZC99, in 92, in 96, vSC92, vS93, vC93, vS96, van96, vDvdH95, vB95]. running [CRU15]. rural [CCM17]. Rutishauser [AC10]. RWPM [HK93]. Ryaben'kii [Ano00h, EST15]. Ryaben'kii [Ano00h, EST15].

S [MZ87, Tsy96]. Sabin [BFGP08, LMS90, MB10, SST90, SST15, Spe12]. Saddle [DJ10, Al05, BM12a, Ca03, Ca07, Ca09, Cao10, Cui04, Elm02, OG08, Sim04]. saddle-point [Sim04]. saddles [SSL93]. Saint [FCX06]. Saint-Venant [FCX06]. sampled [RS09]. sampling [AQJ18, KK02, QL16]. sampling-based [AQJ18]. sandwiches [NP04]. SAOR [Yua93]. Satisfaction [PT09]. satisfying [BRS16, SG16, Str98b]. saturated [MCM12]. saving [LCJQ12]. scalable [DHS05]. scalar [AKG14, Bac14, BP85, CP97, Die15, KKR15, Ric91, Tan01, TDC13, TZA13]. scalars [MA04]. Scale [BHJ06, WWBM88, AB10, Bai02, BM+17a, BHSW16, BT02, BJ11, Dat99a, DW15, Ewi91, FTB97, FBM17, Gen10, GT02, Hab08, KM11, LP05, Lei02, LS13, LCIQ12, MPG+16, Per99, PS03, Pul05, RMM99, SM89, Toc01, van95]. Scale-invariant [BHJ06]. Scaled [GP93]. Scales [RM12, Boy91a, JEG10]. Scaling [BLP01, BMM03, BSZ99, PCL71, SW09b, Wei09, dRT99]. scattered [BE99, CP27, DR93, LN08, PS02, PS03, ZHL08]. Scattering [FvdM17, BBLT15, CM09, CM14, CAAT16, DH12a, GAW09, HD04, HM86, HMP14, IT07, KJL12, KN16, LGH11, MP05, Map05, Ngu15, NT16, QC12, QL15, Rat13, Vah09, VFT11, WN12, WL16, WQ17, WG19]. scheme [AA05, AKG14, ACMR06, ABR05, AR15, APJ09, BF92a, Bar09, BK09, BrTBV87, BMMZ06, BP97, BRB08, BBKS07, BC97a, BS18, BCS06, CGT13, CXX14, CFS13, ChS19, CNT07, CRU15, CC04, GCMGTR02, Dav98, DGM18, DHM09, Du90, DJ+15, FVG13, FP02, FE93, GLLW14, GM18, GS94, Guo00, HKO12, HS86, Hol01, HLMKZ06, HJKW17, HJLY19, HV89, It01, JK17, JN07, JTI02, KS00, KD13, KCY19, KL12, LDJW16, LPR00b, LMA18, LMY18, LZW19, LS99b, LS915, LCL18, LLD18, LE94, LP01, MDP10, Mic03, MdD04, OR18, PKSB10, PGDB08, PD01, PH17, Pow94, RZ00, RZ18, RT14, RK91, Ror06, Ros93, RO16, Sac93, SC19, SG16, SA18, SBG09, SR97, zSW06, SG17, Tan93, TX18, TH18, Ton4, TDPU17, Tow16, TY00, VVD95, VCC12, VL19, Wan07a, WL18, WS04, WGL11, YMM18]. scheme [YMH19a, YXZ18, ZW09, ZWH+17, ZWJ18, ZJH18, Zha01, ZMX19, ZRL17, Zla85a, ZR15, vT87]. schemes [AC98, Aca12, AD08, AEM17, ADFR18, AGM95, Ano87a, AM04, ACM91, BDMG12, BBBS09, BCE04, Ben17, BC05, BM12b, Bor16, BvdV99, BO11, BL06, BL08, CLT97, CCG13, CGA93, CW98, CC04, CCS17a, CRY18, Chi12, Chi93, CS18, Con04, CM04, CCS17b, DD97, DT10, DKK94, DMR18, DS15, EN09, Est95, FCX06, FG98, Fid17, FL01b, GX11, GHMK09, GPMR95, GRR17, Gui15, HO10, HOEC86, HE16, HW15, iHT18, ID19, JL86, JL87, JT15, JK94, KGR08, KMR09, KCL00, KCO3, KC19, KL07, KM18, Kru92, KR12, KRP17, KLW06, LCIG01, LY10, LRC19, MS03, MM14, MV18, NRR06, Pan07, QW04, Ram94, RGOS18, Rog19, RV05b, RTU15, Rus95, ST14a, Sam94, Sch93, SUP+12, SM93, SS94b, SZE+92, Sid02, SK15, SHG86, SLZ10, SG06, TSB16]. schemes [Tan01, TGB08, TZA13, Tol03, Tol04, TH09, Tou10, TJ12, Tur86, VV02, Ven15, Vu92, WB03, YDWW17, YH07, ZM17, ZLG15, Zla85b, iW07, iW09, iW09, iM13, vSW90].
Scholes [AAM03, Bis11, iV09]. Schröder [CP94]. Schrödinger [ZCSH11a, AT15, AMS14, ÂMS17, BOEP00, BZ17a, BSV09, CGP15, CCG13, CJL13, Duj09, Ehr08, FT03, GT15, GX11, GLNW14, GM16, HLMKZ06, HJKW17, HJL18, KY19, KLSW10, LZW17, LZW19, MZZ17, MP11, MG07, Mo98, Sim91, WL18, WH18, WMLB19, ZCSH11b, ZR15]. Schrödinger-type [Ehr08]. Schur [Cao09, Cao10, CG89, GM87, KMS10, RZ04]. Schur-complements [GM87]. Schwarz [AK95, CC18, DdSF07, DLN04, DSS15, Heu00, HH10b, KKP07, KFOF02, LHH96, LCS19, MOS02, Mai06, Mai09, Mar05, MOSW00, MLB97, NMB10, QL97, Wan05, WCXL09, ZT06]. science [KAS17]. Scientific [BJS12, CFTW08, LST07, MH89, MM16]. Scott [BL08]. scrambled [Sch08b]. SDE [AH17]. SDEs [DR09a, KP18, RO16, ZM17]. SDFEM [FLR08, ST08, ZMC13]. SDIRK [CPP02]. SE [QM10]. Search [DIJ12, Bur93b, Fer14, HP15, Sch99, SXP09, WZ16, YZH9b, Zh15, ZP12]. seawater [AMRR18, MNR14]. secant [CSM07, Nov08]. Second [AKG14, Beg00, BMPR15, FJP17, yQgWaWC05, ITZ17, TDP17, AH11, ABH14, AH15, Ab04, AB88, AT13, 81a, Bb17a, Bb17b, BHR05, BRBM08, BBK07, BMM97a, CGA96, CXZ17, CCJ99, DR09b, Deh05, Den93, DC09, EHM01, EH91, EH07b, FW08, Fer93, FG09, GOP06, GGR97, Gu00, yGpY09, Gwi09, HKO12, HP18, JN07, JCN94, Kn98, KX91, KwS19, Kin94, KKP17, KLSW06, KWO10, LHHR94, LW17, LMY18, LX09, LTT19, LN12, LE94, LL02, Luc05, Man97, MVVA09a, MYSC17, MS17, Mie89, Moo04, Mur98, Nar16, NSCC19, RZ00, RT14, RO16, SJM12, Sac93, SV00, SKe89a, So17, SvdH18, Ton04, VV02, VV09, VL19, WH13, WWX13, WMF17, WAW12, Wu09, XL09a, ZWH17, ZFX17, iW09]. second-degree [Kin94]. second-mode [EH91]. Second-order [BMPR15, Abu04, AZ88, AT13, Bac17a, Bac17b, BBK07, CGA96, CXZ17, CCJ99, Deh05, Den93, EHM01, FW08, Fer93, FG09, GGR97, HKO12, JN07, JCN94, KwS19, KLSW06, LHHR94, LW17, LMY18, LTT19, LE94, MVVA09a, MS17, NSSC19, RO16, Sac93, SKe89a, SvdHN18, VV09, WWX13, WMF17, iW09]. Secondary [DRC85]. section [JJ14, Lin10, Meh08]. Sectorial [Ans03, BG02a, Chn17, PG93]. securing [GL93]. sediment [BDES12, KDA16]. sedimentation [Die15, MM14, RTT15]. Segel [MDR11]. segmentation [BCM04, LK14, SMA01]. segregated [vdHVV01]. Seismic [SR88b]. seismograms [Br93]. Selected [FJ97, ND85, vdHSW98, KW12]. selection [BBPR05, BT97b, CY18, Fd97a, HL97, Odi19, San18, Sö06, WP16]. selector [YP18a, YP18b]. self [BS18, GLS09, Gull5, RK08, Rob10, SL08]. self-adjoint [RK08, Rob10]. self-diffusion [GL05]. self-mapping [SL08]. self-regularization [BS18]. selfadjoint [HM01]. semantic [TS08]. Semi [Bou02, Fat10, FMU15, GPHA06, KMR09, Mar99b, Min04, Beg00, BB15, BC09, BN03, BL06, BH97, CT13, CEN14, CG16, Cao01, CL09, DII15, FVGS13, FD16, FR18, GS09, HCY18, ID91, KKP17, LWT07, Lay08, LMA18, LIX15, LRT99, MZZ17, ML16, Pan07, PP00, RR14, SH09, TZA13, WL10, WC11, ZR15, de 96, CF13a]. Semi-analytic [Fat10]. semi-axis [MS09]. semi-classical [Mar99b, Beg00, FR18, MZZ17]. semi-coarsening [LWT07, de 96]. semi-discrete [BL06, CEN14, RT14]. semi-discretization [CG13]. Semi-Godunov [KMR09]. Semi-implicit [FMU15, GPHA06, Min04, Bou02, BN03, CL09, DII15, FD16, ID91, Lay08, LMA18, Pan07, SH09, TZA13, WC11]. semi-infinite
[KKP17, LRT99, ZR15]. Semi-Lagrangian [Bou02, BB15, BC08a, FVGS13, MZZ17, PP00, WL10, CF13a]. semi-linear [BH97, HCY18, ML16].


Shading [CP06, GV04]. Shading [Zha19a, HJ05]. Shadows [SSL93]. shallow [AQS94, BDMG12, Beh97, CFZX06, CCM17, FCX06, HL03, ID19, IM00, Lie01, QLL+08, STS00, SCTL05, SW12, Ton10, VCC12, ZGD17, de R92b, vdHS01]. shallow-water [Beh97, QLL+08, SW12]. Shanks [BRZ17].

Shannon [BDOG19, CPOGO17]. Shape [CP06, DF92, GM08, GMZ08, PGM86, Rat13, TLP18a, TLP18b, ZWL11, GM10, KP01, Meh08, PM05, Rya00, WM08, GV04].

Shifrom-Shading [CP06]. shaped [BDG09, DH12a]. shapes [ZS18]. shaping [EH05, LT07]. shared [JP93].

shared-memory [JP93]. Sharpening [FP02]. Sharpness [FNT06]. shear [KC94, LBCN00]. shear-layer [KC94].

sequences [BL86, BKP15, Dés08, DJM09, GGM07, Jéz04, JT09, Lav94, Mar99b, Sch08b, SSX14, TJK18, Wen10a, Ziu95].

sequential [BMGG12, BT97c]. Series [GGS16, RB12, AR93, BP02, Bor10, BW15, Boy06, Bre02b, CFV10, CM06, CL88, D11, Gil91, HW93, JKN94, LG87, Lon86, Lon88, Mat91, MdR05, Moo95c, Mur99a, Mur99b, PCA10, Pré95, Sch98, Wen10a, Wen10b, WB90, Woz10, YR90, ZB19, ZJ10]. set [CP07, DHL18, DLP06, FM07, FMU15, GT02, GKL07, HMW05, KMI11, MCS06, MPG+16, Sch09, TL07, ZWL11].

short [Mun00, WW99]. shortening [FG01].

Shortley [LHWF08]. shrinkage [Jia12].

Sibsonian [BS00a]. side [AED12, DL13]. sided [GH02, GL17, MT06, YDWW17].

sides [EJS04]. sign [DCC14].
sign-changing [DCC14]. Signal [ABJ12, SM13, Söd06]. signaling [MDD18]. signals [Pul05]. Signorini [BR505, KPR06, Wal19]. Silicon [CB99]. SIMD [Ney95, SD93]. SIMD-type [Ney95]. similarities [Gab02]. simple [Ban97, DSZ15b, DSZ15a, Lam13, LS12, LS93, LfX15, Van92, Win01]. simplex [DhW09]. simplicial [MKH16, PC00]. simplification [DEPS15]. simplified [FN95, LH02, Zha01]. simulate [DA18b]. simulated [Dah02, GOGF03]. simulating [FPRA09, Pul05, SWFK13]. Simulation [CF86, CL02b, DRC85, MH89, MDO0, QW04, Ta'86, Tsc00, WM08, AQS94, Ari04, Arn95, AS06, BGMM09, Boli03, BBL02, CCK03, CCM17, DSO7a, DA19, Den07, EWW99, FMW18, FKA+13, FMSV07, FJH+01, GG95, Gro94, HLR18, KL07, KTS03, LCVG01, LA12, LT00, MH04, Min87, MDD18, NRWF08, OK08, QM03, RI02, RV00, ScH91, SU+12, Son91, ST05, SpI90, SH91, TER03, TYKK01a, VV95, Wag85, XLK07, ZdB03, Zha96]. Simulations [WVBM88, AJT19, AF04, CS01, CKS05, De 02, Kar89, KC94, KKE16, LS07b, MNR14, NC16, Nuir09, SYG+05, SM98, Tia15, TSBF01, WK00, Zan91, ZQLK11, dB03]. Simulator [Nak05]. Simultaneous [ASZ15, KN08, CP94, DO17b, KY17, PSR04]. sinc [AT13, Boy91b, MLB97, Ril92]. sinc-Gaussian [AT13]. sine [Bac17c, Boy07, DC18b, Har07, LA12, SLW17]. sine-Gordon [Bac17c, DC18b, SLW17]. Single [KK+17, AM95, BC12, BN12, GGN12, LL98]. single-phase [LL98]. singly [BC97b, BC00b, FS08]. singly-diagonally-implicit [FS08]. singly-implicit [BC97b, BC00b]. singular [Aff94, AL95, ADR17, AF02, AAD14, AM10b, Att97, BWW03, BL17a, BPTT15, Bru07, BKW06, BRW17, BRS+18, CHLX07, C307, CHS19, Chi12, CP17, DLPV17, ELR+15, FHM+02, Fat10, GS17, GLM09, GGS16, HM87, HM90, Jad94, KV07, KX91, Kat89, KKW00, KGB14, LD97, LO03, LMSW17, LNZ12, Maj14, MO17, Man96, Mok17, PPT02, PT11, PT16, PT15, Rab94, SW117, SY05, pSLqJcY16, SV17, Sid90, Sid14, SS16, SW03, Sto96, TMD92, Tan93, TS08, VA17, VL92, Vu95, Win01, Yos00, ZG92b, dAF17]. singularities [BH97, KM17, LH02, LHW08]. Singularity [RLS00, CCK10, Ha09, HY01, KLSW10, PA18, YT03]. Singularly [Rei85, AL98, AMS14, BM00, BM01, BO04, BR0987, Bog00, GPP06, Kau95, Kau97, KS04, Li00a, Li01a, LT01, LW95, MOSW00, MP16, Mus11, OS08, OQ15, PZM16, Pap95, RK08, RC18, RTU15, SK16, YZ17, Zar17, ZC15, ZL18a, ZLG15, ZX14]. sintering [Zha96]. SISO [De 06]. Sivashinsky [AS04, Mar93]. Six [MS03, Bri85]. six-dimensional [Bri85]. Sixth [SA18, AH12, BM06a, CHSS01, CST97]. Sixth-order [SA18, BM06a, CHSS01, CST97]. size [ALM04, AFS02, DS07b, Den07, Ein18, GPP12, HS099, HLR01, Hor05, KP18, PAJ12, RA099, WA08, WK02]. size-binning [DS07b]. size-resolved [WK02]. size-structured [ALM04]. sizes [Sha85b]. skeleton [PC00]. skew [Kru99, KCB02, Zan91]. skew-symmetric [Kru99, KCB02, Zan91]. Slater [CPD+05]. slightly [BB10, Kic17, de 95a]. slip [LA11]. slope [CZY18]. slots [CDJT06]. slow [KOW05, SKW17]. slowly [Woż10]. Smad [MDD18]. Small [PGM86, AKGR14, BBLT15, Pav00, Zar17]. smallest [KBG04]. smectic [FMW18]. Smith [ADM10]. Smooth [JR18, BBLT15, CL14, Dar00, FvdMS17, GANT02, KR18, MD06, Mat86, Ram12]. smoothed [CDD00, GJV08, LL06, SKR+16]. smoother [BGM19, BS97b]. Smoothers
Smoothing [DLPV17, GSR00, CRS05, Haa97, KM95, MYSC17, NSCC19, Phi87, Wal95, Zha97, vSW90]. Sobolev [AyLqW18, CMR12, Che12b, DMR10, Ren13]. soft [KJL12]. Software [Enr06, FN95, NT92, SG96, BDF89, HK93, MLK06, MP96]. soil [Akm12]. solenoidal [MM07]. solid [GMM09, MP05]. solidification [CMP06]. solids [MR06]. solitary [KJL12]. solution [HW97, HJ06, Hor99, HB09]. Solutions [FF06, FFMZ13, Nap16, Ale11, AMV17, AAM03, Arc06, BSGU94, Bac17a, BP06a, BM05, BM01, BSv09, Bok03, BDKM92, Boz11, BPTT15, Cal92, CHPV09, CY08, CHS19, PL15, Chi93, Cho13, CPR93, DDS89, EK96, ESEKZ10, Enr06, FW08, FHM+02, FJS99, Fuh01, FL01b, GANT02, GJR03, HJ05, HsDR17, Hor02, Hu99, HT00, IV16, JR00, JR02, KX91, KJL12, KO92, KS04, KK86, KV15, Lau95, LLHC17, LWCH19, LSL11, LS07a, LRE04, Lyu92, Ma03, MDPR11, ML16, Mat86, Olv92, Pat98, PM14, RV13, Ri92, RTT01, SC11, SvdHN86, STS00, Tem15, UD03, USHT03, VO00b, Wan01, Wan07b, Wan09, Wu03, WMC09, XF06, YK04a, Yos00, ZL18b, ZPT92, ZLG15, dVA02]. solvability [Sch98]. solvable [Sch98]. solve [AMCM08, AM10b, Cln17, DG10, Hua98, Sch95a, SG09, SL08, Zha96]. solved [Bic16, BCC16, BDN+97, De93b, FHK05]. solvents [Per03]. solver [BRSD91, Beh97, BT02, BV94, BM18, BM01, Cai09, GBDB97, HY02, IT07, KDK17, LCIQ12, LOIO99, Pau92, PM03, RG05, RZ15, Sch16a, SH02, TS05, VG04, Wa00b]. solvers [CH15, CDG19, Eij95, Fac03, FSP15, HKZ08, KPR06, KCB02, LW+09, LTT19, MP05, MR92, Naa05, Pea16, ST04, SA00, Sim98, WP99, YG95]. Solving [AS13, AD18b, BSH01, Ben02, BW96a, BCT16, CSS87, DS07b, DS03, EW08, HS19a, HY01, IM98, Koz94, LW92b, LW18b, ST01, Sha05, SY07, YL13, Yu99, Yu08, Zhe19, AA05, AK09, AT93, AC08, AMV03, AP09, BLW07, BLS+17, BES18, BMGGG12, BGGG13, BM04b, Bog12, Bog16, BRBB18, BS93, BM09, BCSH16, BC98b, Burt93b, Cao98b, CL07, CHH15, CXP717, CGPT19, CMCGR02, Cu95, DT15, DA16, DS15,
EAS12, EHM01, ER18, EG88, ELLE02, EMMK01, EVO04, EH90, FD96, Fer96, FG09, FFQ09, GKA17, GFPG18, HVY91, HR96, IVA93, JL17, Kan89, KOR18, KSMM16, KS07, KSS16, KFOF02, KPR12b, KS09b, KAS17, Lee94, LYT17, LIV18, LCS19, LT01, LYK17, LLZ19, LP97, Lot19, LL02, MCS16, Mar08, MP98, Meh08, MOU14, MN08, NLS18, PM05, PR90.

solving

[PV93, Phi91, PPC00, PT95, Pou00, PB10, PG02, QM10, ROB17, RZ18, Rha99, RS08b, RT95, Sa89, Sch09, SEG02, SD11, SD13b, SWW17, SJ18, SVB17, SS16, SS13a, TDI11, Tsa91, Tsa92, Tsy96, WZL13, WZ16, XCS9, YR92, YXB95, YTCZ18, ZNK02, ZZW97, ZLX19, ZSL04, Zia85, Ise02].

Some

[BN99, BSFDM02, BV96, BG14, BC89c, BW96b, Car09, CB90, CG02, QM10, ROB17, RZ18, Rha99, RS08b, RT95, Sal89, Sch09, SEGV02, SD11, SD13b, SWW17, SJ18, SVB17, SS16, SS13a, TDI11, Tsa91, Tsa92, Tsy96, WZL13, WZ16, XCS9, YR92, YXB95, YTCZ18, ZNK02, ZZW97, ZLX19, ZSL04, Zia85, Ise02].

Sommerfeld

[IV16]. SOR

[DO95, DO98, PS89].

sources

[BFM05, KV07, RTT01, SK10, YK04b].

Space

[BC01, DGRS09, SLW17, SvdVdV06, vBVD2B08, AJT19, AM10a, ABM17, BS08a, BLM17a, BZ17a, Boo02, BRZ17, BR97, BD11, CS94, CD13, CLTA18, DA02, DA18a, DL01, ELCS098, EK07, EL94, FMS18, FD16, FM95, Fra04b, FSWZ19, Gar03, Gea93, HST14, HL89, IV16, Jéz99, KZ12, LL88, LS10, LCS19, LYK17, LCLW17, Man97, MT06, MD96, SS99, SHA12, SW07, SW12, Str98a, SWCH15, ÜSHT03, VL19, WZW13, WMLB19, WSS97, YJJ18, YG99, YDVD17, vDVS08, ASZ15].

space-dependent [ZW13].

space-dimensional [ELC2S098].

space-dimensions [BD11].

space-filling [LS10].

space-fractional [MT06, WMLB19].

space-like [Man97].

Space-time

[SLW17, BZ17a, FMS18, FD16, LCS19, LCLW17, ASZ15].

space/multi [DA18a].

space/multi-time [DA18a]. Space/time

[vBVD2B08].

spacecraft [CRT15].

spaced [CHS17].

spacetime [ALP96].

spacewise

[HP14, HM15, HM17].

space-wise [ZB17].

space-wise [ZB17].

space-wise dependent [HM15].

Space

[BG02b, CS09, Che12b, JAPY10, Zha00, AB07, Ara99, BT99, DNW18, HVY91, Jia00, LP05, LK01, LG11, Mag91, Mar08, PV93, SW95a, ST09b, Vas17, WZ02, YR92].

sparsity [Huc99].

spatial [EV96, LSGK15, WKM04].

spatially

[EV96, BS09, Che12b, JAPY10, Zha00, AB07, Ara99, BT99, DNW18, HVY91, Jia00, LP05, LK01, LG11, Mag91, Mar08, PV93, SW95a, ST09b, Vas17, WZ02, YR92].

special-integer [ZB17].

special-algebraic [ZB17].

special-purpose [ZB17].

specialized-integer [ZB17].

specialized-algebraic [ZB17].

specializations [Deh05].

spectral [TS10].

spectra [DSW96, LCV01].

spectral

[AMC02, AQ00, BN12, Bla00, Bon16, BTDV10, D17, DA17, FD16, Fun94, GD09, Gia12, yGYZ07, Hes00, HKP89, JZK06, Kar89, Lu018, SJ11, SM89, Tru00, YLS+09, ZSJ04, ZLX19, ZSJ04, Zia85].

specifications [Deh05].

spatial

[EV96, LSGK15, WKM04].

spatially

[EV96, BS09, Che12b, JAPY10, Zha00, AB07, Ara99, BT99, DNW18, HVY91, Jia00, LP05, LK01, LG11, Mag91, Mar08, PV93, SW95a, ST09b, Vas17, WZ02, YR92].

sparsity [Huc99].

spectral

[DSW96, LCV01].

spectra

[AMC02, AQ00, BN12, Bla00, Bon16, BTDV10, D17, DA17, FD16, Fun94, GD09, Gia12, yGYZ07, Hes00, HKP89, JZK06, Kar89, Lu018, SJ11, SM89, Tru00, YLS+09, ZSJ04, ZLX19, ZSJ04, Zia85].

spatially

[EV96, BS09, Che12b, JAPY10, Zha00, AB07, Ara99, BT99, DNW18, HVY91, Jia00, LP05, LK01, LG11, Mag91, Mar08, PV93, SW95a, ST09b, Vas17, WZ02, YR92].

special-integer [ZB17].

special-algebraic [ZB17].

specializations [Deh05].

spectral [TS10].

spatial

[EV96, LSGK15, WKM04].

spatially

[EV96, BS09, Che12b, JAPY10, Zha00, AB07, Ara99, BT99, DNW18, HVY91, Jia00, LP05, LK01, LG11, Mag91, Mar08, PV93, SW95a, ST09b, Vas17, WZ02, YR92].

special-purpose [ZB17].

special-algebraic [ZB17].

specializations [Deh05].

spectral [TS10].

spectral

[DSW96, LCV01].

spectra

[AMC02, AQ00, BN12, Bla00, Bon16, BTDV10, D17, DA17, FD16, Fun94, GD09, Gia12, yGYZ07, Hes00, HKP89, JZK06, Kar89, Lu018, SJ11, SM89, Tru00, YLS+09, ZSJ04, ZLX19, ZSJ04, Zia85].

spatially

[EV96, BS09, Che12b, JAPY10, Zha00, AB07, Ara99, BT99, DNW18, HVY91, Jia00, LP05, LK01, LG11, Mag91, Mar08, PV93, SW95a, ST09b, Vas17, WZ02, YR92].

special-purpose [ZB17].

special-algebraic [ZB17].

specializations [Deh05].

spectral [TS10].

spatial

[EV96, LSGK15, WKM04].

spatially

[EV96, BS09, Che12b, JAPY10, Zha00, AB07, Ara99, BT99, DNW18, HVY91, Jia00, LP05, LK01, LG11, Mag91, Mar08, PV93, SW95a, ST09b, Vas17, WZ02, YR92].

special-purpose [ZB17].

special-algebraic [ZB17].

specializations [Deh05].

spectral [TS10].

spectral
AAD+08, AyLqW18, An16, ASZ18, BK06, BM89, BMS89, BSQ06, BBD08, BP95, CDP19, CG92, CjW18, CG89, CSXL14, CNT07, CSMC96, DM09b, DB08, ER18, EK95, FID18a, FID18b, FWL18, FPSS00, GANT02, GT00, GGM07, GM17, GH07, HGP11, HS17, Ito17, KHA12, KWLK00, Kop86, Kwa09, Lay09, LWL18, LZ18, LMQZ18, LT01, LLZ19, LR00, LBCN00, MZZ17, MS86, MD00, MCS16, MM02b, MM07, Min04, MKS12, OL18, Pas91, PM91, PPD01, PK91, PP00, RX08, SD11, SW07, FrWY16, SA00, SJ18, SVB17, gTqM07, TW00, Tse00, WMLB19, WC14, WK00, YB10, YJZ18, Yu08, hYqW12, ZDM18, ZL11b, dFN00.

spectral [WMLB19, WC14, WK00, YB10, YJZ18, Yu08, hYqW12, ZDM18, ZL11b, dFN00].

spectral-element [CSXL14].

spectral-Galerkin [ASZ18, DB08, Kwa09].

spectral/ [KWLK00].

spectral/hp [SA00].

Spectral/Rosenbrock [AMC02].

spectrum [GCP91, KQ13a, KQ13b, LMS08, TCCW89, XC85].

speed [FdSB02, MS91, SM13, TSFB01].

SPH [FRA09].

sphere [CNT07, TOCV02, TLSS09, WZL13, ZL11a].

Spherical [Har00, Bar12, GH07, LMS09, Pet00, RA17, STS00].

Spherical/shaped [BDSG09].

spin [AB17, Bec02].

spin-Heisenberg [Bec02].

spinning [CS04].

Spline [PTV16, ABJ12, ADSS17, BS14a, BES18, BG86, Beh93, BH12a, DLPV17, DMCSC16, DST08, EHM01, GS99a, GG19, IO18, Jam95, Joh95, K008, LMS09, LFB00, LZW17, MB10, MST07, MST90, RL86, RK08, SRT2, SE93, STo9, SRT15, VR01, WE99, YCO0].

spline-based [DTS9, Jam95].

Splines [Sto96, Bar12, BiC16, BCC16, DS17, DF92, FGPR12, GV18, GS09, KP01, KP03a, KPR12a, PR09, Rab94, Ram12, SA90, SYG+05, Spe12, Ver93, WT93, WW05, RMS17].

Split [CHZ14, RKVZ15, WL09a, WMLB19, BG11b, CS01, DFLM19, Hor98, IHS13, KM16, MP11, YXT17].

split-Hamiltonian [CS01].

split-operator [IHS13].

Split-step [CHZ14, RKVZ15, WL09a, WMLB19, DFLM19, MP11, YXT17].

Splitting [GPHA16, LL02, MV18, SK96, AMT13, ABF09, BC05, BC0+13, BC04b, BFH09, Bou02, CSXL14, ELCWS98, FL94, G09, GV02, Gl94, GGRN17, HL09, Hv95, Hun02, JK17, KS0, K15, Kn94, Kn95, KNT13, KW10, LHH96, LL18, Lu04, MH16a, MZZ17, MG97, Osto2, OS12, Ph093, RA03, SK16, SB14, SCT05, WG18, YP18a, YP18b, ZZ18, ZW+17].

Splitting-methods [GPHA16].

splittings [BYY03, BM09].

spread [AJT19].

Spurious [Mul99, VT91, Wa98, CM06].

SQP [BdFPSdSC08, HP15, SXP09].

square [Abu04, AD01b, BB94, BM04b, BS12, CKL03, Li11, Li16, MDD14, SD13a, TZA13, Waa88, WM07, WC11, Zup03, dBo3, dVA02].

square-based [BM04b].

square-root [Waa88].

Squares [CF86, AN15, BLS+17, Ben02, CP07, Cz04, CCLT10, yDqGJ09, HP85, Han87, HS17, KS02, LY05, KS09a, K10, LV12, LSY17, LW18a, MOS12, MS08a, MH16b, Mon09, Mon03, P02, P03, Ren13, SLJ86, SWCH15, YK04a, Yua93, ZJS04].

squaring [CH04, SW09b].

squaring-down [CH04].

SSC [ABCC18].

SSOR [BD85].

SSP [GK19].

ST [SY03].

Stability [Arn93, BF92a, BT97a, BLM17a, Bor02, BSvdV99, BT93b, BJ01, BJ06, CGGGS11, CP05a, FSXZ19, FL01b, GM85, GM95, Gol00, Gil15, Guo01, HMT03a, HMT03b, Jac93, KKR15, LT12, LL15, LRC19, LSL11, LL18, Mac86, MB08, MS90, MV17, OZ96, Osto2, OTK04, PGA93, RGÖS18, SSV89, Sch93, SG00, SKE99, SHG86, SN04, TH18, Zha19b, ZZO16, Zio99, IV07, IV09, IM13, vDVW01, AH11, AJ19, Abu04, AMCM09,}
ABF09, BG11a, BC89a, BP12a, BGT97, Ben17, Ber15, BM12b, BN03, BS08, BS12, Bur85, But09, CCG13, Cha96, CZ12, Dav98, DDZK05, DR09a, DA17, DSW96, FP02, FS08, FG09, FHV97, GD09, Gje07, Gu01, GGG16, GLMY17, GT18, HM00, HS95, Hin95, Hor93, HA16, Hua09, HV89, Hun92, Ise97, JJ94, KMG09, KS89, KW93, LZ13, LZL14, LT93, LS05, LRE04, MS91, MG97, MZ04, MM07, NMSF94, NBNTGV11, NB01, NFAE03, Pot97, Qr03, Sam94, Sch12, Sch98, Sid10, SW13, Sou93, Spi97, Tan01, TZA13, Van00, Vul95, WZL08, WC11, ZZL01, ZZ19, ZP97, ZP98, dPT96, in 92, in 96, iW09.

Stabilization
[ABFV09, De 88, AMR14, Arn98, BPS19, C¸K13, KL09, RG05, Tia15, Tob14, XF06].

Stabilized
[AMT13, AKL08, BL08, LW95, PAP17, SC19, SA12a, AS13, ABR05, BC01, BH12b, Cod08, GM10, HL08, HFL12, Kam16, LLHC18, Pic05, QMLC15, Sch93, SGS00].

stabilizing
[HS95].

Stable
[CGA93, DDHS97, SGS00, SGN06, WK00, Ben96, Bok03, Cao07, CDD+17, CGRT18, CXZ15, DJ12, DSK12, DLM02, DK14, Elg17, ELLE02, FL04, GHK16, GAW09, GPA06, GPHAM12, HH10a, IRC12, IJ17b, KLSW06, LC14, LM18, Lin10, MW93, ST89, SK16, Ske89a, Sw95, SCvdH92, SS09, TOD11, VDVV98, VK17, VZ93, ZYH19a, ZZW97].

Stage
[HR06, BJ11, But93, CPP02, CCS17a, Chi93, FJ17, GPMMR95, JMI17, Lua17, NBNTGV11, Tor06, Ver96a, Ver06, Wen98, WBCK02].

stage-order [Ver06]. stages [Kie95].

Staggered
[GLV06, Pou00, ASCM02, CS08, FD16, ID19, JT18b].

standard [Bra00, FM11, KADAK13, MDRR11, MZS10, Vul95, WT17]. stars [IN89].

started [TOCV02]. starter [vB95].

Starting
[CIJ17, Lab98, Lab99, Sha87, GPMMP03, NH15, Ver06]. state

[ABRW18, BSZ15, Cah92, CM02, CML05, Chi93, CY05, CST97, Dah02, EK97, FNT06, HHT97, HK90, ITZ17, KK86, LRE04, NT92, Ry13, VVR08]. state-dependent
[ABRW18, Cah92, CST97, HHT97, NT92, Ry13]. states [Bec02, SAG86]. static
[AM10b, Cop03, CA16, DT89, GLV06, RR14, TV91, YTZ18]. static-regridding [TV91].

Stationary
[AM03, Kin94, AR15, BM18, Buc17, CC04a, DNMW18, DN08, EH06, HL08, HFL12, YL10, Maj17a, QAMX17, SH10, TMM15, YC16].

Steady
[GI03, Ber85].

Step
[De 88, Jac87, AM99, AGM95, AFS02, AP10, BJ05, Ben17, Bho12, Bok03, Bu06, BJ01, BJ03, BJ06, BT97d, BC00a, CLMSS98, CMR11, CHZ14, CCP17, CP05a, CK99, CILS98, Con01, CX08, CDP12, DIJ12, DP12, DFLM19, Ein18, EK97, GH91, GLPW09, GPP12, GT18, Hai97, HOS99, HS97, Hoa15, HLR01, Hor05, HP15, IHS13, KP18, KM19, Kie95, Leo10a, LW17, MP11, PWS02, PW03, PWS05, PJB04, PAJ12, QAMX17, RKVZ15, SMEN04, SM93, SW09, Sha85b, Söö06, SS09, TYJ11, Ver06, Wai98, WL09a, WMLB19, WSP04, XZZL15, YXT17, ZQY18, ZX09, ZP12, Zun95, van93, vdSvdH95, AD04].

[AFS02, HLR01, KP18, PAJ12].

Stephan
[CHM09]. stepping [Aca12, BBRBS09, BSvdV99, HLT07, HJ03, KR15, LHC09, LYK17, LFS15, SUP+12, uIVS13]. steps [LT07, Yu99]. Stepsize [FS05, BG02a, BC98, BC00a, Con01, GC15, JVF95, LMG02, MP94, SH97, Spi13, WK12, Zia85b].
stepping-coefficients [Spi13]. stepsizes [CGA96]. Stewart [SMC08]. Stieljes [DMGVO05, Gil10, Not96]. Stiff [Kie15, AH15, Ale03, Aro96, BJ02, BF92b, Bos99, BDM03, BC99b, BC95, BS00h, BR05, BP06b, CL85, Cas96, FG09, GPMPR03, GPHAM12, HCX03, HS09b, Jac02, Jac96, MP94, PSW02, RKVZ15, Sal89, SSV89, Sch93, SM93, SWE05, Sim98, TB01, VS95, WL09a, WAV12, WSP97, ZX09, in 95]. stiffly [HHR12]. stiffness [Sha85a]. stimulate [Var92]. Stirling [SG04].

Stochastic [AHO16, AH17, Bis11, FV85, LT19, MA04, JZ19, AA04, AA05, AB17, Abu04, Bac18, BF17, Bok03, Buc06, BS12, BB96, BB98, CGEV19, CHZ14, CDP19, CCZZ18, CF13b, CL18, CN11, DR09b, DK11, DFLM19, Fan11, Har10, HW15, KGR08, KK11, KS08, Kon07, KK17, KKR15, Lav94, LSK12, LDD18, MDD14, MH04, Moe98, Pot97, PM14, RP17, RKVZ15, TN16, TB01, TZA13, WL09a, WG10, WC11, WCV14, WG15, XZ19, YXT17, ZAB15]. Stochastically [Bok03]. Stokes [MH16b].

Stokes [KM16, Kn95, TLP18a, DZ12a, AH90, AR18, BC12, BM13, BB15, BG11b, BC01, BS97b, BP90, BP95, CKPS15, Can08, CGRT18, CMP03, Che96, CH07, CSXL14, CHH15, CXZ17, CLY19, CKK10, CL18, CD13, DY17, DJ10, DS97a, DN08, Dob05, DJL04, EJS11, F616, FRRT10, FMP04, GMZ08, GM10, GGG16, Guo00, GH07, Guo15, HLZ14, HHC08, H08, HS17, HW15, HL19, HK85, HFL12, ITZ17, Joh01, Kal96, KS00, KCL00, KS02, Kn94, KDK17, KN93, Kwe00, Kwe01, Kwe03, LLL08, LA11, LHLH18, LRC19, LS12, LR00, LO96, Med96, MWYZ18, Nor97, OK98, Pas91, Pea16, PK91, Pic05, Pou00, QR03, QMLC15, QAMX17, RV04, RV05a, RK91, SSZ16, SGS00, SH10, She96, SA00, Shy86, ST86, TLP18b, TH18, TLY92, Ton04, UNGD08, VG04, VO00a, WY02, WT17]. Stokes [Wu09, YS09, YC16, Zha14, ZZHS18, Zho18, ZS18]. Stokes-like [WT17]. Stokes’/Darcy [DZ12a]. Stokes/Forchheimer [CD13]. Stopping [FLMR14, LPT16, Spi95]. storage [KCL00, KS08]. Störmer [CGA96, vdHMdS99]. straight [TT03]. strain [CHX13, HHR12]. Strang [KW10, Zan01, ZR15]. Strang-type [Zan01]. strange [CGPT19]. Strategies [Bie87, BM04c, BO11, GC15, PT19, WSC09]. strategy [AS97, BT97b, BD11, Bür13, C90, DEPS15, DB97, FS15, GGLR09, HR97, HMW05, MCE+09, MP94, PK91, Sch09, SK91, VO00b]. Stratified [TC03, LTC03, TOCV02]. stratigraphy [BVT14]. Stratonovich [ZAB15]. Streakline [Din93]. stream [BP95]. streamfunction [KN93]. streamfunction-vorticity [KN93]. streamline [Bec18, Gas92, KN93, Par04, YZ19]. streamline-diffusion [Bec18, YZ19]. strengthened [AK95]. stress [GP00, GS18, KS02, MAG13, NS16]. stretched [KKE16]. stretching [VT91]. strict [NB01, NFAE03]. STRIDE [But92]. string [Ahn07, LR03, RL06]. strings [RLHC19]. strip [DDZK05, JW15, ZR15]. strips [DP85]. stroboscopic [CCMS11].

stroke [van98]. Strong [BZ92, FS08, Hua09, NBNNTG11, PM14, RY13, Sus10, YXT17, BB96, Chn17, CN11, DVMVPO09, Gje07, KMG09, KS07, Jaa88, WMC09, ZM17]. Strong-stability-preserving [NBNNTG11]. strongly [BBCS05, BBR97, BCS06, GPHAM12, JNPC03, KCB02, Wan11, YW19].

Structural [BBS11, BS12, FL05, Leon0a, LS05, NBP94]. structurally [BASC17]. Structure [KGR08, Shy91a, Shy91b, WH18, ABK12, AB14, ABM17, AC96, BSP04, GS18, Gus87, Jun97, Kok08, MR01, PA05, RP01, RDH+12,
SW06, vBvdZdB08. structure-interaction [vBvdZdB08]. Structure-preserving [WH18, AB14]. Structured [Buc99, Ram94, AM95a, ALM04, Aya09, BLD17, BL15, BMR17b, DP12, DMPP99, DGD03, FH08, Ram96, Rus95, Toi04, YC00, ZHJ14].

Structure-preserving [WH18, AB14]. Structured [Buc99, Ram94, AM95a, ALM04, Aya09, BLD17, BL15, BMR17b, DP12, DMPP99, DGD03, FH08, Ram96, Rus95, Toi04, YC00, ZHJ14].

Sub-Scales [RMM12]. subcell [CSCM96]. subcritical [Gla93]. subdiffusive [ABD16]. subdivision [Boy06, CC04a, CDRT19, Con04, CM04, CCS17b, LY10]. subdivisions [Wal00a, Wal00b]. subdomain [V99]. subdomains [DCN+19, de 95a]. subgrid [JR18], subject [Ang06, Deh05, MVVA09a, MVVA09b].

submatrices [DL01], submatrix [YD07]. subscales [Cod08], subsequences [Lin10]. subsidence [SR88a], subsonic [Kor95]. subspace [AB10b, Bai02, BBLT15, EAV16, Gul15, Jia00, PKSB10, Pet92, PR12, RSY12, Sim10, SXX14, SS12, Wal95, WZ16, Wei95, ZGL98].

subspaces [GRS00], substructuring [GN86, MDT05, O’L87], subtraction [PA18], successive [Che16, DW00, KP03b]. Successfully [SM85], sudden [HH10b]. Sufficient [Lin01, CH90, LLL12, Men14], Suitable [Has09, PGs10]. Sum [Boy91b, HJP10]. Sum-accelerated [Boy91b]. Summation [M10b, ZJ10, BW15, CL88, HNP17, LG87, Lon86, Lon88, RGB18, Str98b, Woz10]. summation-by-parts [RGB18]. sums [VC10]. sup [Che16]. Supercloseness [ZL18a, FPR12], supercomputers [Fuj99]. superconducting [GT15]. Superconsistent [Fun04, FFY08].

Superconvergence [Bac17b, Bac17c, Bra00, CZ04, FLR08, Fra14, HL19, LHW08, Ris05, SY18, Tem15, WOY2, AC15, BSGU94, BTBR19, Li01a, LY10, LH02, LRC19, WSY18, ZY14].

Superconvergent [SST15, SW18, LR01, MCS06]. Supercritical [Gar87, Gla93].

Superlinearly [CDW13]. superoptimal [NR14]. 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, CAAT16, DEPS15, Dav98, DL13, DMQ02, FPRA09, Fat10, Gar05, Hin97, JP17, LY10, LR87, LY0190, LWCT07, LG02, RZ15, Sch16a, XKK07, YC00, HP91]. surfaces [BFGP08, CS04, CGGM17, FGPR12, FR14, GT15, HGR01, LY10, NT16, PR09, Ren14, TMM15]. surgery [MDHK06].

Surprising [Asc12]. Survey [Sid10, AA1*93, Bre96, But85, BC89c, FSU89, HJK05, Kau97, Mum00, Tho85]. suspensions [BBCS05, BCS06], SVD [BS09, Lyo10, MMBB07], SVD-based [Lyo12]. SVDS [PS02], swimming [CST18], swing [CGEV19]. switching [BAD13, DFLM19, MHL18, RY13, Vu92].

Sylvester [BLW07, DMH18, FG13, Hey10, JP19, RS08b], Symbolic [CBHY11, CCS02]. symbols [CLS04]. Symmetric [ADSS17, LRS09, SvDH86, Sz99, WGS12].
AW14, AX19, AC08, AES13, BM12a, BC99, Bec02, Beg00, CM13, Cao01, Cao07, ÇD17, CZ04, DMGVPO09, DI15, JP17, JP93, Kru09, KCB02, KW10, LM17, LD1W16, LX08, Li19, Liu02, Lue0, Luc05, Marc08, Mat05, PV93, RdAP96, San03, Sc14, Sim04, WZ16, YD07, Han91, ZFX17.

symmetrization [CG13, GC15].
Symmetrized [BH93, HL02b]. Symmetry [BH93, HL02b]. Symmetry-preserving [VL08, MDRR11]. Symplectic [HL99, HL99, Li19, Ske99, ZCSH11a, ZCSH11b, CL01a, CM00, DM11b, Eir95, Hai97, HL99, HLMK06, KCY19, LX08, Mur99a, Re99, SS94a, SZ97, WE99, ZJ19].
Symposium [CFTW08]. Synthetic [Abr93].
System [TMS87, AH94, AAS7, BS00a, BO04, BS09, CMM, CH04, DN08, Eij95, EK97, Fac03, FCX06, GLS09, GBD29, HP85, HS17, IT16, KN08, KLY05, KKB02, Kwe03, LMA18, Lue09, LMWZ07, MMK17, ML06, OI01, RC18, RC90, TC18, TC90, TMD09, TST09, Wan01, Wan09, Wu03, YTO3, ZdBT03, MZ87].
Systems [GM85, ND85, Pet87, AC98, AJ19, Ac12, AW14, Ale03, ADR18, AH17, AB07, AD10, Ara99, Ar95, Ar96, AES13, AGKK94, AEF+14, BM12a, Bai02, BY09, BT97a, BK05, BK06, BMM03, BBBS09, BBGG13, BM06a, BR94, Bog16, BTDV10, BH93, BS93, BRBM08, BBS07, BGIW18, BCS1H6, BS12, BDM3, BWE95, BDP96, BB98, BCP17, CFCH09, CH95a, CL01a, Cao09b, Cao01, CG92, CM97, CHPV09, CZ08, CBD16, CFC03, Con89, DT15, DB97, Da29, De06, DB95, DV95b, DL13, DKK94, EJS04, FTB97, FH08, FM95, Fra06, Fuh01, GFB99, GP93, GQ89, Gas92, GKMS09, GGM07, Gol00, GO18, GPHA06, GPHAM12, Guo96, HLM99, Hirs117, HV91, Hst00, Hig93b, HNP17, HHW18, Hua00, Jac93, Jac02, Jac96, Jay95, JCN94, Kl98, Kau95, KG90]. systems [Kim14, KW95, Kop86, KFOF02, KR12b, KKP17, KW10, KK17, LW93, LT12, LZ13, LLV18, LW92b, LP00, LL02, Luc05, MMP09, MP96, Man97, Marc08, MF99, MP98, Marc02, MVG14, MM16, MPtM16, MP94, Moo95b, MD96, Mur98, Mun99b, NMKE13, NT92, NRZ12, OG08, OKS10, Ost93, Pan07, Pea16, PA05, PWS02, PT95, Pui12, RZ00, Ram96, RKVZ15, Ruz87, SMJ12, Sal95, SH09, SMEN04, SS99, Sch95a, Sch02, Sch87, SEV02, Sid90, Sim93, Sim98, Sim10, SS13a, Sof17, SW03, SXS14, Sar07, TDC13, TRO93, Tsao91, Tsao92, TMM15, VG04, mWyG00, WL09b, WL09a, WWX13, WSP04, WP99, WSW96, Wne98, WB92a, WB92b, Win92, Won98, WWS07, YG95, YH18, YR92, ZZL01, Zho01, dH95, dG91, in 96, vdES04, vB95, Mur99a].
Szegö [BGVHN10, DG00].

tank [Buc04]. tapered [FT06]. target [Lo06]. tau [DSW96, KO92, SWW17, YJZ18, Mok17].
tau- [DSW96]. taxis [GV02]. Taylor [CM06, Dar00, DK11, Hig93b, KOR18, MD00, RB12, RO16, Sch98, SH91, TB01, TZA13].
Techebycheff [HP10]. Techebychev [GM97].
technique [AT13, AF04, BP90, BR93a, CPOG017, CM04, DA17, DA18a, DT89, Eho08, FHM+02, Fdi07a, Gen10, GG19, HP10, HEG16, LV01, LCM17, LR00, MS86, PA18, RMK09, RT95, San03, SR09, SLZ10, TCCW89, Tsy96, Wan07b, WZ16, XC85, ZY14]. techniques [Bai02, BLW02, BRVC09, BLM17b, BWE95, CDD+17, CH87, CPZ17, DD97, De05, DF96, DS02, EW08, Ewi91, FH08, Gar03, GM93.
technology [Zar99]. Tempe [FJ97].
temperature [BN03]. temperatures [CF14]. tempered [CD17, Din19, YDWW17]. templates [Jor11].
temperatures [CF14]. tempered [C¸D17, Din19, YDWW17]. templates [Jor11].
temporal [Cha17, GAW09, LLT07]. temporally [Won08].
tension [NMSF94, RZ15]. tensor [BS05, DHM09].
tensor-driven [DHM09]. tensorial [ABJ12]. tensors [BKR13].
term [BFH09, BDDV12, BRS16, Buc17, CH95a, Cao98b, CdCV03, DW15, DDBV10, ESEKZ10, LLZ19, Mar09, RC18, RG05, SA18, SZW19]. term-by-term [RG05]. term-structures [Mar09]. terms [BJ02, BSQ96, BM12b, CY98, Zen93, iW07, iW09, iM13].
ternary [KK09a]. terrain [TC03]. test [GM87, JP08a].
Testing [CGCMTR02, JP08a, GGO12, GGO16, PSW02].
tetrahedra [DFZ16, PPS05]. Tetrahedral [BS97a, AW03, ASC03, BS96a, MCE+09, PT19, Zha09]. tetranichidae [CL02a]. TGF [MDD18]. TGF- [MDD18].
th [AL09, AB15, BP02, EST15, SA90]. th-order [SA90]. their [AGM95, CHH15, CM06, EH07a, GSW09, HLL09, KCS07, Lem02, MP97, PWS06, ROB17, RZ04, Sae14, SSW04, Uty08, WSP04, WWS08].
Tikhonov [Buc17, Neu88, RSY12]. Time [BY00, BP12b, CM14, FG96, INR01, MZ87, S¨od06, SvdHK94, ST86, WK02, Zuu95, ALMM98, Aca12, AMK18, AMCm08, AB09a, AB09b, AL17, ASZ15, AF89, ARS97, AEF+14, ´AMS17, BHJ05, BP14, BKM13, BCS17, BBRBS09, Ben17, BDF89, BZ17a, BC01, BtTBV87, BP97, BVV09, BsvdV99, Bot97, BK12, BR97, BJ01, BJ03, BJ06, BCDP17, CGP15, CS94, CP05b, CDW13, dCCSR03, DD97, Dav98, DDZK05, DA18a, Dia95, DHL00, Din19, DGRS09, DY03, DH88, EL94, FMS18, FD16, FM95, FJ09, Fra04b, FL01b, GKH16, GX93, GLPW09, Gje07, GPPR12, GPAH16, GL17, GT18, RMCG04]. thermodynamically [GHK16].
thermoelastic [AC18, Cop03, CF05].
thermophysical [MC12].
thermoviscoelastic [CA16].
thermoviscoelasticity [CF14, CA15].
theta [BF92b, BS09b, KG90, KS10, MRF00, MM14, MVVA09a, Mun00, Nov96, PSP04a, PCR17, RDH+12, SLS93, SSW09, WSP07, YH07, Zha00, de 96].
Third [HMdV03, Sal03, YDWW17, Bos09, Fer09, Lev91a, LPR00b, RTU15, YC13, BGHR12].
third-order [Lev91a, YC13].
Thomas [Bra00, ZB19].
Three [AW03, LM00, MOZ87, MMP02a, Nak05, Per88, SR88b, TMS87, ASC02, BC12, Bak89, BS94b, BRS16, Cao98b, CH01, DW15, Gar03, GGLR09, GPMR95, HFL12, KZ13, LMWZ07, MH16b, MD96, Sch91, SR09, SZE+92, SvdHK94, SK96, Ste97, SK01, ZFX17, vSK97]. three-coarsening [GGLR09]. Three-Dimensional [Per88, SR88b, TMS87, AW03, LM00, ASC02, BC12, Bak89, BS94b, CH01, LMWZ07, Sch91, SZE+92, SvdHK94, SK96, vSK97].
Three-level [Nak05]. three-point [Ste97]. three-stage [GPMR95]. three-term [CA09b, DW15].
time [Lei02, Leo10a, LWD +09, LT07, LR18a, LR18b, LCS19, LYK17, LCLW17, LCL18, LLZ19, Log04, LFS15, Lua17, LO95, LO96, MZZ17, MM18, MG97, MS08b, MGV14, MMM19, MN08, MRF17, NC16, Nor97, Pea16, PJB04, PAJ12, PM14, Pul05, RMC04, RZ00, RZ18, RV09, Rya00, RTT01, SMJ12, SSV97, Sar05, SA12a, SUP +12, SLW17, SW07, SY18, SJ18, ulIVS13, SS17, SS08b, SA18, Su94, SvDvVd06, SW17, SZW19, TER03, gTpM07, TGB08, Toc01, USHT03, WZW13, WSY18, WW14, WdG92, XZW19, YS09, YJZ18, Yu99, Zan01, ZH17, Zha19b, ZYS17, ZXW17, tV87, vBvdZdB08, vBvdZdB08, vDVS08, NBNTGV11].

Time-averaging [BP12b].

Time-delay [SMJ12].

Time-Dependent [FG96, AL17, AF89, ARS97, AMS17, BHJ05, BP14, BDF89, BtTBV87, CP05b, dCCSR03, Dia95, DY03, GLPW09, HILK13, HLS16, LK01, Lay09, Lua17, MG97, NC16, Nor97, Pea16, PAJ12, RZ00, Rya00, SS17, SvDvVd06, SW19, TER03, WdG92, XZW19, YS09, tV87, vdV808].

time-differencing [AEF +14].

time-discretization [NBNTGV11].

time-discretizations [BV09].

time-domain [DHL00].

time-fractional [AMK18, HS19b, LR18a, LR18b, SY18, SJ18, SS17, SZW19, WZW13, WW14, ZL17].

time-harmonic [FJ09, Har98, MM18, RV09, WSY18].

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-space [Din19, YJZ18].

Time-step [Soöd06, Zhu95].

time-step-size [GPPR12].

time-stepping [Aca12, HLT07, KR15, SUP +12].

time-symmetry [Zan01].

time-varying [MVG14].

Time-stepping [HW15].

Timoshenko [CF13c].

tissue [BK09, JK17].

Tocher [Bar12].

toeplitz [Sac14, WWLS08].

toeplitz-type [WWLS08].

tomography [AES13, GOGF03, RSD +06, San03, SS16].

toolbox [EMMK01].

tools [Ber85, MLK06].

topics [Wen10a].

Topographical [HdSR17].

topography [Ant13, DH12b].

Topological [AH09, Tan87].

topology [ZWL11].

tori [DB95, ER800, HL99, Tru00].

Toronto [CFTW08, HEJ96].

torrey [DA18a].

Total [DH12b, Ano87a, FS05, GM87, JL86, JL87, LV12, LPR00a].

total-variation-boundedness [FS05].

Totally [GP17, GP93].

TR-BDF2 [HS96].

trace [CDG19].

Tracing [Att97].

Tracking [CFXZ06, Dav92, Gro94, MSS +15, PH15, RLSS06, SW86, WB92a].

trade [For11].

Traffic [MZ87, SG16].

transaction [AD99, FV01].

transcendental [Boy07].

transcendents [AY15].

transcription [BCT16, ECB07].

transfer [CGJ16, Jež99, Kan04, MCM12, Os97, Vai17, jW15].

transform [DO17b, FPFP18, LF104, MPSS16, MO01, Tah96, TZ00, v87, ST14b].

transformation [BW15, BHHS10, BW03, DLPV17, LT01, SS10, Win04].

Transformations [Bak86, Ben98, Ben85, BZ94b, BZ96, Bre02b, BRZ17, Dra91, Fdi97a, Lem02, Mat91, Sim94b, WM07, XGM08, ZB19].

Transforming [ZPT92].

transforms [BH96, DO17a, FV87, Moo95c, VA05].

transient [DZ12a, DCN +19, Fai00, GRGJ02, HHC08, HH10b, SWW11, WSC09].

transistor [Mol95].

transition [BL91, Her91, RR00, RZ15].

transitions [MR06, Sch16a].

transmission [An16, DS07c, GMS12, HIX11, HL97, LRS09].
Transonic [CF86, Gar92]. Transparent [HL03, Ehr08, Lie01, SDK15, Sof17, ZR15].

transport [ABJ12, AR15, BDES12, BM04a,CNT07, CG16, DA18b, DFC09, FdSB02, FLL11, KCC04, KDAK16, LC02, PdV99, PS00, SK97, SvdHK94, SK96, SW05, TDC13, Tou10, VBI96, YH07, vSK97].

transport-chemistry [VBH96].

transputer [DVV93].

transversal [BDNV19].

transverse [HMdV03].

trapezoidal [BT97c, CP03b, RS08a].

traveling [EV96].

Treatment [AL87, Fat12, AM10a, BDMG12, BR94, EH06, Fat10, Now96, PT09, PGC01, SB03, SKBAS08, Tou10, WZ02, de 93a, vdHSW98].

treatments [CGA93].

tree [Kom07, Pow94].

tree-based [Pow94].

Treffetz [Li08].

Trefftz [HMP14].

Trends [DGCW17, Bak89].

Tresca [Por17].

tri [SXP09].

tri-dimensional [SXP09].

Triangle [BDFK95, CGG02, CD05, Ren14].

triangle-mesh [Ren14].

triangles [PSP04b].

Triangular [KCB02, BP97, Bra00, Cao07, Cao10, CL06, CST18, DNN18, GGLR09, JTB15, JP08b, KFOF02, Kru99, LMQZ18, LE94, MRF00, PRG016, RGL16, Sim04, SN04, Tsa91, Tsa92].

triangularly [vdHS01].

triangulation [LS93].

triangulations [Bar12, BFGP08, Dal13, DR03].

tridiagonal [GS08, Jac93, LVP14, Mat05, Nak12, dG91].

trigonometric [Han06, LIZ18, Pat98].

Trigonometrically [YW08, FW08, Li19].

Trigonometrically-fitted [YW08, Li19].

triple [CMR94].

triplets [GS17, KBG04].

trivial [CM02].

Trondheim [KN096].

Truncated [Sch89, Sof17, CM06, GLMY17, GLM18, PS02, TD09].

truncation [Bor10].

trusses [AMH03].

Trust [MMP09, AMV03, BMM03, CSM07, Ou11, Ren14, SP09, ZH15].

Trust-region [MMP09, BMM03].

trust-region-approach [AMV03]. tsunami [KHM+14].

tsunamis [FA+13].

Tsynkov [Tsy96].

Tubelike [MMP02b]. tubes [DI15, LDIW16, LT00, TYKK01a, TYKK01b].

tumor [MPSS16, MDD18].

tumour [LBTL13, RA17].

transition [RTV02].

tupleware [Dong91].

Turán [MSC10].

Turán-type [MSC10]. turbine [ARSW05].

turbocharged [SM08].

Turbulence [BC93, LCVG01, DS97a, Dun18, SLJ86, VV95].

turbulent [Kar89].

Turek [GKMS09].

turning [Bec18].

Two [AL95, BES18, BCC16, CL10, CPGO17, CDP12, DPL12, DCC14, Eva94, GS15b, GVP93, HCY18, HJYL19, HFL12, KM19, Lam13, Lan95, Leo10a, LA11, LS93, MOE70, QAM1X, SM85, TOD11, TS09, WZW13, YW19, AS11, AJT19, AAM03, AMR12, ASCM02, Bac18, BHJJO6, Bar09, BJ05, BMR1+1a, BvG19, BO04, BRT19, BRRBS09, BVRS09, BC05, BBLT15, BWY17, BO11, Boz11, BT97d, CGEV19, CMRV11, CCP17, Cas96, CW98, CMP03, CDW13, CLTA18, CI93, CAA16, CL09, CF08, cCCS03, Con10, CX08, Cop03, CF14, CMCGR02, CN15, DdSF07, DIIJ12, DR09a, DS07a, DE06, Deh01, DA18a, DA18b, DVG0V09, DMG0V09, Din93, Din19, DN08, DMPSC16, ER07, EFLFP09, FSM18, FdSB02, GX11, GM16, GHK16, GMM09, GLWP09, Gil10, GOGF03, GOP06, GH02, HK93, HM09, HS90a].

two [Hon15, HL19, HK85, HL02b, HCCW16, Hua17, J149, JTB15, Joh01, JT06a, JGK11, KV07, CM17, Kat89, KSMMM16, KL09, KS01, KZ13, LCHR03, LT12, LY08, LCS19, LS07b, LLZ19, Lu17, MS19, Man97, Mar05, Med96, MT06, MT05, Moo95c, NY13, OGV92b, OGV92a, PR00, PSW02, PWS05, PW06, QM10, QR03, RP17, RZ15, Sch16a, SWJ09, SLW17, SZE+92, SY08, SS09, Su94, TKN11, Tob14, TJ12, TV91, TM05, Ver06, Wan07a, Wan11, WZL13, WQ17, WML19, WSP04, XCS85, XL09a, Xin08, Yua93, ZT15, Zar17, ZOZ09, ZHSH18, ZBY19, ZZ907, ZX09, ZCSH11a, ZCSH11b, dHIV13, van98].

two [ASCM02].

two-and [SZE+92].

two-block [Yua93].

two-branched
[BRTB19]. Two-dimensional
[CPOGO17, DCC14, Lan95, AS11, AJT19, AMR12, BBRBS09, BBLT15, CDW13, CLTA18, CAAT16, dCCS03, CMGTR02, DE06, Dey01, DA18b, Din93, Din19, DN08, FdSB02, GX11, GM16, GMM09, HK85, JTB15, JT06a, JGK11, KV07, LCHR03, LS07b, LS93, MS19, Med96, Moo95c, NY13, PR90, QM10, SLW17, Su94, TJ12, TV91, WL13, WQ17, WMLB19, XC85, ZCSH11a, ZCSH11b, dHV13].
two-fluid [CL09].
two-grid [CL10, HCY18, HJYL19, HL19, ZTZ15, ZZHS18, ZBY19].
two-level [HFL12, KM19, LA11, BvG19, DdSF07, HL02b, Hua17, Joh01, KL09, LCS19, Tob14, ZOZ09].
two-parameter [GOP06].
two-phase [Boz11, ER07, GHK16, GOGF03, KSMMM16, LY08, RZ15, Sch16a, SY08, TKN11].
Two-Point [SLJ11].
two-points [CN15].
two-scale [BRBM08, BBKS07, GQ08, LK14, Ske89a, YZH19a].
two-sided [BH92, MT06].
two-stage [Ch19, Lu17].
Two-step [CDP12, DP12, Leo10a, QAMX17, BJ05, BTH97d, CMRV11, CC17, Con01, CX08, DIJ12, GLPW09, HS09a, Hua15, PWS02, PWS05, SW09, SS09, Ver06, WSP04, ZX09].
two-stroke [van98].
type
[AH17, AM95b, AAM03, AB14, Ari87, ASC03, AO91, BN09, BFGP08, Bla00, BHJ13, BS93, Bru07, BDM03, BJT96, BC00b, CO09, Car96b, CMR12, CPD+05, CH07, CM07, Cui04, Cve02, Dar90, DMGV05, DMRI10, DN08, Dor01, Ehr08, ER18, EP15, Fac03, FW08, Fdi97b, FCX06, Fun04, Gan09, Gol86, GKA17, yGy07, HHR12, Han93, HGR01, HM17, Has09, Has13, Han88, HS19a, Hig06, HLC01, HZ12, HWC16, KM17, KOR18, Kid90a, Kid90b, KLY05, KS09c, Lau17b, LD16, Lev91a, LYL11, LLL12, Mar99b, MP98, MAG13, MSP10, Ney95, OG08, OGV92b, PSR04, PGP03, PH17, PWS05, RG02, RTT01, Sch16a, SR09, She00, SL09, pSLqJc06, SVB17, SS16, Uty08, VV05, VCC12, WL08, WCXL09, Wan09, WM17, WWLS08, YSBL14, Yan18, YC13, YR90, Zan10, ZP98, ZQLK11].
type
[XZ14, vI87, vC93, AR93, Mat91, Sim91].
U [Bec02].
Ul [MZ87].
Uhlenbeck [ZGO12].
Ulm [SLJ11].
Ulm-like [SLJ11].
ultra
[BTBR19, DM12].
ultra-Weak [DM12].
ultrasound [MDHK06].
ultraspherical [KP92].
unbounded [BT97a, BDMGVO05, DY03, EH07b, FMS18, FWL18, Fer09, Gia12, gY07, HZBM05, HZ09, HY01, Pec09, Tsy98, WL18, WS04, ZZL17].
uncertain [DF01, ZW09].
Uncertainty [BF17, LGH11, Tar98].
Unconditional [HO10, LZW19, ZYS17, iW09].
unconditionally [BRBM08, BKB07, GQ08, KL14, Ske99a, YZH19a].
unconfined [AMRR18].
unconstrained [DW15, Fre91, KLS13, On11, Rha99].
unconventional [SS04a].
uncoupling [LT12].
damped [ST19].
derunder-determined [SK10].
derunder-field [CL02a].
derunder-determined [BL5+17, CKB12].
derunderflow [FT96, FT06].
derunderlying [AO05].
derunderpin [JR18].
derunderwater [XLK07].
unfitted [ZCC11].
Unified [NSCC19, AC16, Bus06, GFPG18, Har98, HP14, Mou03, SK97].
Uniform
[WZ17, AD15, BH12a, BCE04, BB10, Cum95, FHM*02, FR14, Fou00, FR01, JM05, LH11, LRC19, Lin01, MST09, MOSW00, OS08, RS09, SE93, SYG*05, SA18, Tro93, VL08, VT93, Vu95, YW19, iV09].
uniformity [CMS04].
Uniformly
[BM01, RTU15, ZL15, HOEC16, ZX14].
Unifying [ABM17].
Unilateral
[SSZ16, Aca12, CH13, Gwi00, HL02a].
uniquely [LMY18].
uniqueness
[Fuh01, Gar92, HHT97, KP15, LYY15].
unit
[BR16, CCBG08, DG00, DBCBPP10, DIR13, SL01a].
united [DMH18].
unity
univariate [BH12a], univariately [TD09], universal [QR03].
University [BGHR12, BGH 15].
unstable [DLM02, Gro94, WK00].
Unstaggered [Tou10].
unsteady [Duf90, SA00, CML05, DM09a, Gla94, KM19, Mar05, MV18, Pir91, PBC08, TYKK01a, TH18].
unsteady-state [CML05].
Unstructured [FVB05, ASC03, BS94b, Dal13, DF11, DSZ15b, FL01a, JTB15, Kni94, Kni95, LYOI99, NFAE03, OK98, PSP04a, Ram94, SGN06, SGN08, TJ12].
unsymmetric [Khe91, Nov03, Sch08a].
update [BLD17].
updated [YK07].
updated-observations [YK07].
updates [BTMT08, SW09a].
Updating [BS10, GS08, TS08, XZZL15, ZH15].
upon [AGJM04].
upstream [BG07, HGP01, BCS06, CXNF14, FCX06, Hol01, JT18, LY09, Pir90, RK91, SY08, SR97, VL08, van86b].
upwind [BG07].
upwind-mixed [SY08].
upwinding [AS06, KN93].
urban [CCM17].
Urysohn [KR18].
utility [AD99].
Uzawa [Cao03, Cui04, Mur15].
Uzawa-like [Mur15].
V [Tsy96].
V.S [EST15, Ano00h].
vadose [BDN19].
vague [MMK17].
Validated [LS07a, JN02, Jez99].
validating [Tou97].
Validation [AV96, CAAT16, TLV92, BWE95].
valuation [AO05, CF08, GS09].
Value [AGM09, De 88, SM85, AA04, AL09, AyLqW18, AB15, AMP03, AMCR17, AMR14, AT93, AM95b, AGM95, Att97, AFLG12, ABRR18, Bac17a, Bac17b, Bac18, BTBR19, BGO13, BY00, BM00, Bic16, BCCR17, BBR97, BT93a, BT93b, BT95, BT98, Bur93a, BT00, BC89c, CSH9, CL85, Cas96, CW98, C90, CZ12, CH91, CN17, DMPSC16, EHM01, FW08, FD97, Fer93, Fun94, GGM95, GM95, Ghe97, GH02, yGpY09, HK93, Hig93a, HR06, IO18, JR02, JCSR03, Kat89, KOR18, KG90, KS09a, KKW00, KS01, KW93, KKK02, LHH96, LZ17, LW17, LC99, LO03, LS07a, LT93, LOM98, MS03, MS90, MYSC17, Nap16, NSCC19, PZMX16, Pap95, PT15, PUL12, RK08, RTU15, SAG86, Sch93, SWE05, pSLqJeY16, SW85, Sub04, TS08, V000b, VV02, Wan07a, Wan07b, Wan11, Wan17b, War92, WW14].
value [XFLC00, YL13, Yos00, ZG92b, ZC10, ZZ19, ZWL11, dVA02].
valued [LW07].
values [PR10, pSLqJeY16, Zha07].
valuing [itHT18].
Vandermonde [MP98, dc18a].
vanishing [CS17, KV95, LZZ18].
vanishing-lag [KV95]. vapor [CKB13].

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