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(0, +∞) [DO17a]. (m, ℓ) [Fuj02]. (q, h) [GS15b]. (r + 1)st [ZZW97]. 0 < θ < 1
[TM05]. 1 [EP15, HWCF15, KD13, KKR15, LW07, Now96, SS00, Vej10, ZL18a]. 1 + 1
[MPSS16]. 1/t [AM16b]. 1s [CPD’05]. 2
[AG05a, AEMX17, Ant13, AC96, BF15, Cau08, CCM02, CCM17, DMPSC16, Fou00, Gon06, HGP11, HHR12, LPR00b, LLHC17, Mur99b, RZ00, Sch02, TCCW89, VA05, WBCK02, YZ17]. 2d [SL17]. 3 [Ant13, ASC03, BV94, BS08, CPZ17, FMS18, HW15, HZ12, Jay95, Kal96, KNP16, KLSW06, 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, L2, L2] [KLY05]. 1
[MPSS16]. 1/t [AM16b]. 1s [CPD’05]. 2
[AG05a, AEMX17, Ant13, AC96, BF15, Cau08, CCM02, CCM17, DMPSC16, Fou00, Gon06, HGP11, HHR12, LPR00b, LLHC17, Mur99b, RZ00, Sch02, TCCW89, VA05, WBCK02, YZ17]. 2d [SL17]. 3 [Ant13, ASC03, BV94, BS08, CPZ17, FMS18, HW15, HZ12, Jay95, Kal96, KNP16, KLSW06, Mai06, MKH16, NBNTGV11, NRR06, Ost93, PSP05, PPC00, Ran15, Sha98, Ste97, TYKK01b, WSY18, WSC09, YH00, Zha09].
8th [vdHSW98].

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

=1 [Bra00].


abscessae [Joh05]. absolute [MYSC17].

Absorbing [BG11a, EZ98, TY98, AG98, BSDG09, BP97, HD04]. abstract [RT14]. accelerated [Bog12, Boy91b, HPY92]. Accelerating [PKSB10, ITZ17].

Acceleration [BL86, DE16, HL02b, SC08, VVR08, Ben98, BRZ10, Fdi97b, FL01a, GM94, Hau88, Ise94, Krn99, Kza92, Kza99, Lav94, LS99a, Lem88, Lev91b, Lev91a, LSGK15, Sid10, Zha97].

accelerator [PCA10]. accelerators [Cuy90]. acceptance [HP15]. Accuracy [BVB09, FG09, Hun02, LWD+09, Tur86, Bal00, BH12a, BPTT15, DT10, DS15, EN09, GMGF02, GT18, LK07, NW09, Rmi08, SG00, SN08, Tsa91, Tsa92].

accurate [CH95a, Emr06, FL04, JBLC11, JCSR03, KK17, vdeES04, AES15, BP14, BF15, Bos09, CGA93, CLS5, CS08, CRU15, Fac03, HHR12, HOEC86, Kop89, KLSW06, LAH09, LBCN00, MCS16, Mat05, Nic86, RZ00, RA03, Sac93, SS10, TDPU17]. accurately [SB18]. achievements [AB09b]. achieving [RB12].

acidic [BMP05]. Acoustic [AL87, HDS8, CAAT16, GGN12, HD04, HMM6, HMP14, KJL12, KL07, LH11, Lee94, OL18, RX08].

acoustics [AD15, Har98, HX11, LY16]. across [Gea93, GX93, Jz99]. act [Seo02]. Active [CG13, NU15, HO16, HMW05, LT05, RU07, Sch09].

Adams [ZJH18, AM95b, AGM95, IM98, JL91, Sha87]. Adams-type [AM95b]. Adaptation [BMGM12, Baf97, BS97a, But92, CLGD06, FMP04, JM94, Ram94]. adaptations [in 96]. Adapted [AEG12, Fra04a, FM11, GWH01, Lin01, LE94, Mat09, TZ00, Van00].

adapting [Kos02]. adaption [BS94b].

Adaptive [AFS11, BCS17, BGS06, BBRBS09, BH97, CP97, DGD03, DM10, DJJ+15, FL09, GHKM09, GS89, IM00, KCW16, KMS10, KS09c, Lan97, LOS03, LGH11, MS05, MT05, Mol95, NRWF08, PSP04a, Pst87, Sar05, SFJ+05, ZWK15, AS97, ABR05, AF89, AS06, Aug89, AFG12, AFLP12, AFF+15, AMS17, BLS94, BHJ05, BS14b, BKP09, BKR13, Beh97, BS00a, BC08a, BCU00, BF92b, BTP96, BLY16, BFA93, BDF94, BV94, Bor97, BHR05, BF95, BD11, Bür13, CHR03, Core99, CR05, CXX90, CL01b, Chr96, CY05, De06, DF96, Doli14, DMR18, DGRS09, DH07, FD97, FV80, FMGN94, FM95, FLO+97, GMZ11, GV18, GGO12, GGO16, GDS+15, GM17, HKZ08, HW97, HWCF15, HSY18, JD09, JGK11, Kal96, KDT17, KS09b, LW93, Lan95, Le99, LD10, LLS+96, Log04, DLM16, Man96, MRF00].

adaptive [MZS10, MMT90, MR94, Mit97, MCE+09, Moo95b, NK11, NME13, NRR06, NBP94, Now96, OZ96, PD96, Pic05, Pow94, Qui96, Ran15, SR09, SWW17, Shy86, Shy91a, Shy91b, SG09, Tho85, TLY92, Tse00, Usn97, V000a, V000b, Wal00b, WKM04, WPL16, WSS97, WZ17, XZZL15, ZH15, dDF+94]. adaptively [Du11].

Adaptivity [Söd06, Bac17a, BCJ97, BLP01, GH009, Roz05, DGN12].

Addition [MA04, Shy86, Shy91b]. Adjective [GGR97, KCO3, KFOF02, Bac18, DLN04, FL01a, GCHR06, HR06, KZ13, Mai09, MH04, NN13, Pan07, TN16, WCC16].

ADER [TH09]. adhesion [NS12]. ADI [AP09, BHSW16, Bog16, Den15, FG13, HEG16, HHT18, JM06, WB03, WPL16, iW07, iW09, iM13]. adiabatic [Rei99].

Adini [HLY04, LH02]. adjacent [Bre91].
Adjoint
[BL05, HS97, KS09a, ARSW05, CGT13, DG10, Gul15, RK08, Rob10, SW09a].
Advances [SP99, BM09, JN02, Spi99].
ad vect ed [AD15]. Advection [IHS13, ABR05, BN12, MO4b, BM04c, CdF01, FMP04, GPPR12, GPHA16, GS94, HM15, Hin95, HT94, HV95, JL17, KOW05, KL09, LKV01, LR18b, Liu09, MOU14, NMB10, wSP15, SvdVvD06, Tro96, Usm97, dlHV13].
advection-diffusion [GS94, dlHV13].
advection-diffusion-reaction [GPPR12, wSJP15].
advection-dispersion [JL17].
advection-dominated [Hin95].
advection-reaction [HV95].
advection-reaction-diffusion [CdFN01].
advective [FMU15, GJR03].
aeroacoustic [AF04].
aerosol [DS07b, SB03].
aerosols [DS07a].
aerospace [Buc04].
affine [BMM03, BSZ99, GGO13, dRT99].
affine-scaling [dRT99].
age [AM95a].
age-structured [AM95a].
agent [LSGK15].
agent-based [LSGK15].
aggregation [GJV08, LS16, Mar03].
aggregation/disaggregation [Mar03].
air [MZ87, DS03].
ar oil [De 02, KTS03, OK98].
Aitken [BK15].
Alexisbad [vdHSW98].
algorithmic [Sae14, BV94].
Algorithm [Jac87, RBBC85, ZW87, AG05a, AB97, AC10, AM16b, AL05, BHJ05, BC99, Baz03, Bec02, BLY16, BDFV95, Boh03, Boy91b, BWE95, Cao03, CL08, Car09, Car09, CS04, Che88, Cz90, CL01b, CMS06, DZ12b, DW15, DS02, DS96, DHS05, DH94, DS10, DY03, DJJ15, EAS12, FLs94, FD97, Fdi97b, FBM17, Fre91, Gla94, GGS04, HS02, HM15, Hua98, Hua17, Jia00, Jia02, JBLC11, JP93, KCS07, Khe91, Kni94, Kn95, LCT03, LZ13, Leo10a, LG87, LD10, Lo06, MK14, Man96, MC00, NMB10, O'L87, Ou11, PGS10, PM91, PL03, Pic05, PPC00, Poh93, PM14, Qu96, RA03, RU15, Sad97, SMC08, SW17, She00, SXP09, SS10, Tan87, TL92, Tou97, Wag98, Wai98, WZ14, WB90, Wo210, WYP12, WSP18, XZL07, XZZL15, ZP12, HM17, LFS15].
PCA10, ROB17, Riv09, RV05b, Ror06, 
Sae14, Wen05, WWLS08, vdHS01, LD02].

Applied
[Rei85, ZCSVH11a, AMT13, AMH03, AC96, 
Bac14, BMG12, BTMT08, BJO0, Cas06, 
DZ12a, DS05, Den15, Fer14, Gol86, HHR12, 
HO10, HM00, HMW05, IHS13, KDAK16, 
LVR01, Lei99, LZ17, MOS02, Mi03, Mol95, 
SR09, SVE+92, SW85, VA05, VSeYD02, 
Wan96, WM07, iW07, iW09, Ano87a].

Approach
[TMS87, AMT17, AD99, AMV03, ARSW05, 
BMt+17a, Beh93, BMM03, BMGG12, 
BDDV12, BBO03, CGT13, CCBG08, 
Cao98b, Car94, CLR11, CGCMTR02, CXZ15, 
CD18, CCJ09, DPt+16, Dou91, DS15, EB12, 
FJ17, FV85, For11, GQ89, GRG02, GKL07, 
GL17, Har98, HP88, HP14, IHS13, Jes93, 
KHM+14, KK11, KHA12, KL09, 
KR15, LBLT13, LMSW17, LN08, LP00, 
MPt+09, Mit97, Mou03, Nes16, NT16, RV09, 
RMS17, SC11, SK97, SH09, SW95d, SWR11, 
VBH96, WCT14, WPI16, Zan01, ZPT92].

Approaches
[CHR03, Min87, ADD+08, Buc99, CKS05, 
Dat99b, DMD+09, Sw95, WLI0].

Approaching [DL13]. approximants
[Ari87, BW15, Cat10, CPD+05, CV88, 
Dar90, DMMG00, Gt+01, GVP93, IN89, 
KS91, K1d90a, Mat91, Mdr05, OGV92b, 
OGV92a, Pre09, Pr095, Sad97, van86a, vI87].

Approximate
[AM09, BLS+17, Huc99, SdcSC99, A18a, 
BF92a, Bt99, BSvdV99, BWY17, BV10, 
BVBR14, BGo2b, CG05, Ckm10, CD18, 
DS97b, ElvvdH98, Enr06, EGH01, FV99, 
GV02, HG98, JMPY10, KcJp01, Mag91, 
Not92, SY05, SHG86, Tz00, Tar98, Wz02, 
WMC09, Zha00, Zha14, ZPT92, GPHA16].

approximated [WC02]. Approximating
[DJL04, DS01, GS17, Wan17a, It017, Ks02, 
LR01, Rab94, Sim94a]. Approximation
[ARGA00, AK00, AB14, BM89, DO17a, 
EL94, HP97, KL98, KCS07, KS01, KP01, 
Lyo12, Wen10a, AqJ18, ABJ12, ABK12, 
AEG12, An16, ASZ18, BC12, BLD17, 
BDGP96, BDP99, BD07, BM05, BKR13, 
Bel91, By01, BG13, BM04c, Bho11, 
Bho12, Bla00, BG14, BDP17, BO11, BP85, 
BMV06, Brc02b, Bre10, BE99, CFS13, 
CF13a, Che12b, Cho13, Cod08, Cop03, 
CF05, CD05, CCM17, CLS04, Coy12, DZ12a, 
DDP12, DO17b, DR09b, DDNZ18, 
DGMV009, DB95, DL06, DR93, EAS12, 
EGH01, FT06, FJ95, FS99, Fun94, GS15a, 
GP00, GL17, GN86, yGqWsWC05, Gwi09, 
HB02, HPS12, HHT97, HSS04, HR14, Hin97, 
HW93, Jad94, JM05, Jun06, JT06b, KP18, 
KBS11, KK11, KO92, Kid90b, Kic17, Kim14, 
KPR12a, KX03, LW04, LHWF08, Li16, 
LS17, LS12, LC99]. approximation
[LMS08, Lor10, Lu98a, MRF00, MS02, MS13, 
Mot17, NY13, Nke07, NS16, PR09, Pas91, 
PH17, PM14, R1t92, RMS17, RX08, Ror06, 
RA09, Sad96, SSZ16, Sol15, TKN11, TY03, 
Vas17, WQ17, WSY18, XL09b, YY13, YR00, 
Zho17, Zou10, ZCC11]. Approximations
[Ghe97, Sub04, AL95, AOW94, AMCM09, 
AD01b, BKM13, BM00, Bok03, Bre06, 
Brc06, Bu06, BGS02, BC00a, But09, CC90, 
CHSS01, CJX11, Cst12a, Csth09, CSM07, 
DDZK05, Dk17, FJP17, Fun90, GT15, GT00, 
GJ00, Go00, GGG16, Jv09, KPY15, K1Z3, 
KW93, Len00, Li11, LX09, Lyn99, MS92a, 
MT06, MV17, MP15, NB01, Nov88, PG10, 
QAE+09, RF16, Ren14, SA12b, Ske99, SN04, 
To04, VR01, WAV12, WWLS08, Xn13, 
YLL09, ZC15, ZL18b, ZXW17, Zup03].

April [TLP18a]. aqueous [BMP05]. 
aquifer [MNR14]. aquifers [AMR18].

Arbitrary
[PGM86, Bal00, BS00a, CLS04, CG14, 
DM07a, FB17, GRG02, RV00, To03].
arbitrary-order [To03]. architectures 
[BSC99, JP93, WWS+93]. arcs
[DSV13, HLL09]. area [AMV03, SA93]. 
areas [CCM17]. argument [Bic16].
arguments [Hu99, LZ17]. arise
Birth [BMR17b, BLM17b]. Birthday [CHM09, EST15].
bisection [PSP05, Riv09, RRMJ12]. bistable [EV96].
Bits [WWS+93]. bivariate [BES18, JBLC11, KP03a, MST07, OGV92b].

Björck [MP98]. Black [AAM03, Bis11, iV09]. blades [ARSW05].
Blended [BM02, CL85]. blending [DSV13, LY01, MMP02a]. Bloch [DA18a, HLR18].

Block [Cao10, CV95, JM16, LZ17, LN92, MM02c, Sim04, ZC91, Zha00, ZZW97, Zha01, de 95a, vC93, vdHS01].
Block-centered [LR18a, LR18b]. Block-Cholesky [LN92]. block-diagonal [BLY17]. block-GMRES [Mor05].
block-iterative [ZC91]. block-structured [DGD03]. block-triangularly [vdHS01].
blocking [AFS00]. blocks [BMR17b].

blood [PCRR17]. Blow [ALMM96, ALMM98, ALMM01, BDKM92, Chol8, SG92]. Blow-up [ALMM96, ALMM98, ALMM01, BDKM92, Chol8, SG92].
Blue [MRS10]. blur [MRS10]. Board [Ano18g, Ano18h, Ano87b, Ano91, Ano93, Ano03e, Ano03f, 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]. Board [Ano18f]. boards [BLW02]. Body [PGM86, Arn95, CFKS07, HOS99, Lei99, Lei02, Mur98, PRST02, SK01].
Boltzmann [LLL08, VVR08]. Bona [ADM10]. bonded [Kok08]. bonds [ALY03].
BoomerAMG [HY02]. Booster [PSB91]. Bose [ZB07].
both [BB98, CL07, Kop89]. Bound [TD09, BMMM03, Yam18, Yu08, dC18a].
bound-constrained [BMM03].
Boundaries [Gus88, ADFR18, BHJ05, BDSG09, LR03, MMKN17, Nor97, Nor99, Rya00].
Boundary [AQ94, AM95b, BG11a, CHM09, Hsi06, LT93, PT09, Pec09, SM85, TMS87, TLSS09, AS11, AL09, AyLqW18, AMP03, AMCR17, AMR14, AGM95, AD18b, AFG+12, ABBW18, Bac18, BC02, BP14, BBD18, BDSG09, BM00, BCL15, BCC16, BGG08, BBRS97, BBD08, Bog00, BP97, Bor02, BP85, BMV06, BT93a, BT93b, BT95, BT98, Cai09, CDV00, CL08, CGA93, Cas96, CW98, CJ18, CH01, CZ12, CHH15, CS09, Chr01, CRR03, CN15, CN17, DY17, DB97, Dea11, DA16, DMPS16, DPF5, DY03, Ehr08, EHZ99, HE06, EFLP09, EH91, FS15, FMS18, Fat12, FE93, FL15, Fer93, FJ09, Fun94, GAW09, GGM95, GM95, Ghe97, GP98, GH02, Gwi09, HG98, HH98, HNO3, HJ09, HNO4, HM15, HK93, Hen00, HL03, HX11, HT00, HLL09, HBJ09].
boundary [HLIS16, IO18, JP08b, Jec09, Jun06, KDAK13, KDT17, Kat89, Kel85, KOR18, KG90, KS90a, KvyS15, KS01, KW93, KK02, Kur98, LHH96, LRS09, Lam13, LM00, LP05, LY01, LW04, Li11, LA11, LZ17, Lie01, LC99, LO03, LMSW17, LL02, LOM98, Ma03, MOS02, Mai06, MS03, MS90, MG18, Nes16, NY13, O’L87, OS08, PZMX16, PPS10,
Pap95, PT95, Pul12, QMLC15, QAXM17, RK98, RVdCVR02, RTU15, Rya00, Sch96, Sch93, Sch16b, SWFK13, SC08, SG00, Sod91, SDK15, Sof17, SS02, SHG86, SW85, ST08, Sub04, Tan09, TY98, V00b, VV02, Wag85, Wan07a, Wan07b, jWqW09, Wan11, jW15, WL16, Wan17b, WL18, Var92, WW14, WT17, WS04, XL09b, YGY15, YL13, Ye04, Yos00, hYqW12, ZTZ15, ZG92b, Zha96, ZC10, ZPT92, Zho17, Zho18, ZWL11, ZR15, vR04, AGM09.

Boundary-Fitted [TMS87].

boundary-value [Bac18, Fun94, LC99].

bounded [Ber05, BL91, Che12b, Hin97, MDRR11, MS03, Wal00a].

boundedness [FS05, GLMY17, MDP10, MV17, Spi13].

boundedness-preserving [MDP10].

Bounding [BRRS15, Coo89, Gil10].

Bounds [MSP10, Bou16, Che16, C13b, Dra97, Fac03, GY94, GH02, JR02, KS10, LSK12, LVP14, LW92a, Nak12, NN10, Roz05, The17, WWX13, YB10].

Boussinesq [ADM10, EZ03, KD13, LZW17, ZWH+17].

box [AM04].

brain [DEPS15, LWT07, MPSS16].

branched [Oij88].

branched [CV88].

Bratu-type [KOR18].

Breakdown [HK886, Mac86, Ta’86].

breakdowns [RS08b].

breathing [DG96].

breathing-mode [DG96].

brick [YB10].

brightness [CP06].

Brinkman [ÇK13, HJ09].

broader [SL08].

Brouwer [RB12].

Broyden [SW09a].

Brunner [Bru97].

bubble [Dar00].

buffer [KKE16].

Buildings [BO87].

bulk [CRTU15].

Buoyant [RBBC85].

Burg [CD91].

Burgers’ [ZZL17, BDKM92, BJH13, KK86, LZY90, PR90, Rob01, WL10, ZJH18].

Burgers-type [BHJ13].

buried [QL16].

Butcher [JKN94, VS94].

BV [LT93].

BV-stability [LT93].

BVM [MS02].

BVPs [BP12b, BRW17, BS+18, GHKM09, HM09, MST09, PPS10, ZLG15, MS02, SM93].

C [AR93, PZMX16].

C-fraction [AR93].

Cable [DA16, YJZ18, ZZ17, ZWX17].

cables [LI14].

Cache [HKZ08, LW92b].

CADNA [AV96, Tou97].

Cahn [BCM04, CCZZ18, CCL04, HLT07, KMS09].

calcium [NRWF08].

Calculating [HC01, Tar98, AY15, DSW96].

Calculation [JZ110, Bec02, KCW16, MAG13, SW06, WSC09].

Calculations [Mac86, RBBC85, BNH01, BC93, CSMC96, KL87, LTC03, Mun00, Var92].

calculus [Lub92, MC17].

calibration [RW87].

Camassa [AS06, CLP15, RLSS06, ZZ18].

can [Var92].

Canada [CFTW08].

Canonical [BLM17b].

cantilever [LT07].

Capacitance [DP85, GOGF03, O’L87].

Capillary [VK17].

capturing [Aca12, KD13].

Caputo [CDW13].

Carathéodory [Sae14].

Cardiac [BK09, CKP15, FPS15, NK11, YV17].

Carleman [Kli15].

Carlo [LHO13, MD06, DE18].

Cartesian [ASCM02, ASC03, Bac17c, BP12a, FD16, FdS02, Fre04, Kim14, TY00, WEE99].

cascade [AB15].

Cascadic [MRS10].

case [Beg00, BRW17, CMR12, CY05, GANT02, Jes93, MN03, Med96].

cases [PCA10].

Catenary [AS00].

Cauchy [AK95, CJ18, Cum95, FFQ09, JP08a, KLI15, MM18, MP98, Mat91, Rab94].

Cauchy-type [Mat91].

Caustics [SR88b].

cavitating [XLK07].

cavities [DDCVR03, QC12, QL15, dB03].

cavity [Du11, Guo00, JP08a, RBC02, WWS08].

Cayley [LP00, MO01].

CBEM [JS09].

CE [QM10].

CE/SE [QM10].

cell [Aya09, Bar09, Ber15, BW95, BG03, Car94, Dal00, EK95, FS88b, JP08b, Jec09, MSS+15, Ush18, ZL18a].

cell-averaging [EK95].

cell-centered [Bar09, BW95, BG03, FS88b].

cells [Ber15].

Cellular [CKP15].

CEM [AG98, DK14].

centennial [FJ97].

center [CDP+05, ZB07].

Centered [To04, Bar09, BW95, BG03, EN09, FS88b, LR18a, LR18b].
central [ASC02, ASC03, BL06, CXNF14, DL16, FCX06, JTB15, LPR00b, NRR06, Pap95, PGDB08, QW04, Tou10, TJ12, TK15, vV09, BM12b]. central-upwind [CXNF14, FCX06]. centred [SGN08]. centrifugation [BBCS05]. centrifuges [BCS06]. Certain [DL01, BKP15, DMGVO09, Dra97, Fuh01, GVSL96, GS05, LS86, LFP04]. certified [Che16]. CFD [BTMT08, BS97a, QM03, SST04]. CFIEs [CM14]. CFL [MZ04]. CG [Sch99, dv95a]. CGLS [Baz03]. CGSTAB [SSvG10]. chain [Bec02]. chains [BT02, Buc99, DNW18, Mar03]. challenges [DBH 05]. change [CH15, Sap03]. changes [Wag98]. changing [DCC14, SY08]. channel [BJ00, Gla93, Jun06, PK91, RKVZ15, jWyG08]. chaos [BBCS05]. chaotic [SK01]. character [Mar99b]. characteristic [BRE06, EAS12, FMR98, JZJ10, SY08]. characteristics [LCVG01, Mar03, PG02, YI13, Zió99]. characteristics-mixed [YI13]. characterization [ST89]. Characterizations [LX08]. Charge [GG95, NER95, NR97, SG05]. Charge-oriented [GG95]. charges [HNP17]. Cheap [SZ97, GHW01, WGB99]. Chebyschev [TGB08]. Chebyshev [ARGA00, BC08a, Boy06, BOY07, BO11, Coh90, DDS89, DSW96, EK95, FFY08, HM00, KK90b, KY17, MQO17, Mac92, Maj17b, MM07, MRF17, PH17, SW17, SWX00, She00, Xu16, ZK00, vS97]. Chebyshev-collocation [MQO17, SWX00]. Chemical [ND85, BBV05, CKB13, DS02, DJ03, KCJP01, PM05, SK96, ZdBT03, dB03]. chemistry [BG912, VS95, VBH96, WKO2]. chemotaxis [CST18]. chemotaxis-swimming [CST18]. chess [WWS+93]. Chile [BGHR12, BGH+15]. Chilean [BGHR12, BGH+15]. China [LST07]. chip [SG05]. Choice [GCX15, BS00b, CDD00, EG88, Lay08, Neu88, PA91]. Choices [San89, GAW09, SWFK13]. Cholesky [HPS12, LN92, Nio95]. Choose [Rob10]. choreographies [RS14]. Christoffel [Bre91]. chromatography [DGM18, vHA98]. circle [BRS16, CCBGV08, DGV00, DBCBP10, DIR13, SL01a]. circuit [AKGR14, BLW02, GG95, MT11, PS90, ST05]. circuits [BBS11, GR93]. circulant [NR14]. circular [DcU90, HT00, LMS08, LBCN00, Son91]. Circulation [ZW87, LG02]. CIRM [Wen10b]. clamped [BBD18, Lam13]. class [AL95, ADR17, AFR18, ABF90, AD18b, Bai96, BDSG09, Beg00, BMMR15, BMY01, BKP15, Bur91, Bus06, Cam99, CN17, CG14, Cum95, Cue02, De 06, DGN12, DFX09, DM09b, DZ12b, DIR13, EM05a, EVO04, FL05, FFR, FJ95, FS99, GT15, GOn06, JPGG18, JY18, Kät89, Li12, MH16a, MAH18, Maj14, Man96, Osr93, PD01, RY13, RT95, Sad97, SEGV02, SG05, SL08, Tsy96, VD98, Wan11, WZ14, WSW96, WdG92, ZL01, ZZ97, in 92]. classes [KM17]. Classical [Lec10, AS11, Beg00, BDRZ04, CCJ99, DJS09, FRI07, GMG02, GP01, LSY08, MZZ17, MOS02, Mar94, MM02a, MMP02b, PA18, Sal03, TJK15, Wel10a, Wel10b]. classification [KKR15, Ush18]. cleaning [GDS+15]. Clenshaw [CL14, Maj17a]. closed [TMM15]. cloud [WK02]. Clough [Bar12]. cluster [DS01]. clusters [Nir09]. CM [BS94a, VV95]. CM-2 [BS94a]. CM-5 [VV95]. CM2 [Pet92]. CNLF [LT12]. co [CZY08, LLY11]. co-coercive [LLY11]. co-existing [CZY08]. coagulation [DS07b]. Coarse [SS99, FdS90, NN13]. coarse-mesh [FdS90]. coarsening [GGLR09, GGR97, LW07, de 96]. coastal [KDAK16]. coxial [JI14]. cochlear [BF09].
Code [Ara99, ZW87, AA87, AB98, CST97, GPPR12, Sal89, SW86, WSP97, WB92a].
codes [BM91, B03, BRW17, CCL04, DP12, DL01, HP11, HLIS16, IT16, JR02, KS07, La98a, PJB04, Sa94, SW17, TK05]. Coefficients [Hi93b, AL09, BF17, CO05, CJO90, CC04b, Chn17, CL88, DXY09, DCC14, DKK94, DC09, HLMKZ06, Jv09, KP92, LP01, Maji7b, ML16, PM14, Spi3, VSeYD02, WCXL09, YTO0, ZM17]. coercive [DHS05, LLY11]. coherent [CCP04]. Collaborating [MR92, collapse [TYKK01b]. collapsible [LT00, TYKK01a]. collisions [CLP15]. CoLoCation [AB88, BR97, CN15, HM17, AV96, AFS02, Bal00, BAD13, BZ17a, BM15, Bru92, MM97b, MM97a, Bru07, MLX07, CP05a, CP09, CDP12, CN17, Cun95, DP12, DS07a, DHL00, DLVP17, DBH14, ERS00, EHH01, FID18a, FLM18, GPH12, GT93a, Gug05, yGpY09, Han93, HM15, HM00, Hu99, HR96, H KP89, IO18, JZK06, Jho95, KO08, LHH94, LHH96, LF00, LZW17, MQ017, MS86, MRFF17, Pat00, PM09, PT11, PT16, PA91, PK91, RK08, Sch93, SLW17, SWX00, tSQWYG16, SJ11, uLV13, SK10, WKM04, WMF17, WC14, 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, MK14, PA18, SA18]. Combining [DM12]. Combustion [BI85, BV05, GS89, KCP01, KCR95, NR97]. commodity [ZGO12]. common [Alb96, BWY17]. communication [dv95a]. commutativity [Yam18]. commutator [BM06a]. commutator-free [BM06a]. commuting [BB98]. compact [CA93, CRU15, GX11, GLW14, HJKW17, Jor11, Pir09, RZ18, SG16, SA18, Ven15, Wan17b, YTO0, ZGDL17]. compact-WENO [SG16, ZGDL17]. compactification [DB95, MW93]. compactly [Ehr08]. Companion [BR01, BW06, Win04]. Comparative [BdFPSdSC08, BT99, CG03, GRLL01, PSP05]. Comparison [AC09, CKPS15, EV006, M095b, NN10, PCRR17, Aya09, BD07, Boy91a, CL01a, EK97, GP01, HT94, KPR06, KW12, LW09, LP20, MD96, NN13, VSeYD02]. Comparisons [YTZZ18, WSS97]. Compatible [GP00]. Compensated [WG10]. Compensation [KRBK16]. complement [Cao09, Cao10, CG89, KMS10]. complementarity [Us07, KP03b, LLL12, LMP99, MH16a, WZ14]. complements [RZ04, GM87]. complete [CGGS11, M14]. Completion [Sei02]. Complex [CFCH09, AQJ18, AC08, AES13, AMS17, Dar90, DKK94, Fun94, Gab02, Kar89, KDK17, Lu98a, PH91, TC03, TY00]. complex-symmetric [AC08]. Complexity [LRT99, MZS10, MMT90]. compliance [CFRA08, FH10]. compliant [DII15, TDC13]. complicated [DKK94]. component [GGG16, MM14, OZ96]. component-wise [MM14]. components [BLW02, CG14]. Composite [DP90, Maj14, jWY08, AMH03, Dra91, FSB97, HY01, Jor11, MMT90, MR94, NBP94, NU15]. Composition [DK11, Bla01, CCC08]. compound [RS08a]. Compressible [BW86, CFX08, CKK10, DS97a, DGRS09, DII15, Fai00, FL01a, JW12, JN07, KC94, KCL00, Kie17, Kve00, Kve01, Kve03, LDIV16, Mou03, QR03, RCGM98, RZ15, ZSE92, Sod91, Tur86, ZYSZ14, ZQLK11, vdHV01]. compression [PGS10]. Computation [BJS12, BPTT15].
BGVHN10, CMP15, DV95b, ERS00, EV96, HGR01, MH89, MR06, SLO1a, Sau00, Waa88, YTO3, BCU00, BG06, BJJ13, BWY17, CDV00, CCBGV08, CJ90, CD00, DNW18, DS02, EH88, FvdMS17, FLÖ+97, GP01, GSR00, Har98, HR14, Hin97, Jéz04, Kop89, LM00, Mar93, MSTM07, Nes16, Nov03, Ram12, Rob10, RRT01, SW06, SLY86, S95, SS10, Vas17, Wei01, YH00, vHA98, MH89.

Computational
[BLW02, BBPR05, BF09, Fun90, Jam93, LFL14, MMT90, MOZ87, Spi99, ADR17, CFKS07, Car09a, Elm02, FL05, FKA+97, FMP04, HG98, HD88, JRT90, LMSW17, LY16, MdR05, MZ04, Pul86, Qui96, SYG05, Shy91a, Shy91b, SD93, VS91, VT91, ZW09].

Computationally [YK07, AA87].

Computations [BDKM92, Li01b, AS97, Asc12, BC02, Chr96, Dat99a, FL01a, GT15, Gat91, KH91, Kor95, LSGK15, MS08a, MM16, MPG16, WPS18, ZP12, van95, vdHMdS99].

computer [BRSD91, Fre91, Her91, Ney95, de 95a].

computed [EH08, WT08].

computer [BLW02, BBPR05, BF09, Fun90, Jam93, LFL14, MMT90, MOZ87, Spi99, ADR17, CFKS07, Car09a, Elm02, FL05, FKA+97, FMP04, HG98, HD88, JRT90, LMSW17, LY16, MdR05, MZ04, Pul86, Qui96, SYG05, Shy91a, Shy91b, SD93, VS91, VT91, ZW09].

Computational [YK07, AA87].

Computations [BDKM92, Li01b, AS97, Asc12, BC02, Chr96, Dat99a, FL01a, GT15, Gat91, KH91, Kor95, LSGK15, MS08a, MM16, MPG16, WPS18, ZP12, van95, vdHMdS99].

compute [MDRR11].

Conditions [Ano87a, Gus88, JL86, JL87, PT09, AS11, AQS94, AK95, BBD18, BDSG09, BCL15, BMS89, Bor02, BMV06, BB98, BS96b, BT97d, CL02a, CH95b, CPP02, CAAT16, Chn17, CN15, CH90, Cve02, DY17, Dea11, DP85, Ehr08, EH88, EZ98, FJ09, Gar10, GP98, GMS12, Gu01, HG98, HH98, HN03, HJ09, HD04, HJ17, HL03, HBJ09, JW01, KvyS15, Kom07, KM18, LA11, Lie01, Lin01, Ma03, MVVA09a, MVVA09b, MW93, MZ04, Me14, 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].

conductive [BBV13].

conductivities [YV17].

cone [BSZ99, MYSC17].

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

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

Cones [MMP02a].

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

Confined [MT05].

conflict [Fuj99].

conflict-free [Fuj99].

Conformal [Ari03, BBO03, CLR11, LWCT07].

Conformity [MHH98].

conics [DS17].

Conjugate [BGH08, DW00, DW15, EAS12, GR02, HVY91, Pfl08, San03, SW95d, vdES04].

Connection [Pet92, VV95].

Conquer [DH94, Jes93].

conservation [AM09, AKG14, Aff94, Ang06, Bac14, BMGM12, BJO2, BTP96, BFA93, BDF94, BM12b, Bor16, BGP11, BGS02, CH15, Dav92, DF96, DGRS09, EKF6, FL01b, GT00, GJ17, HSS07, Hor02, HWCF15, KS09b, KXR+04, KLSW06, LPR00a, LPR00b, Luo18, PGDB08, SG17, Tan01, TJ12, XF06, Ye04].

Conservative [BDM03, CHSS01, CS08, CCL04, Fou00, FLL11, HLMKZ06, HJJ18, Kim07, LDWW16, LR18b, MQ03, ZQLK11].
conserving [BRBM08, BBKS07, Hor93, Ito17].
considerations [HFL13]. Consistency [Hor93, Kel85, L016]. Consistent [HBJ09, Xu13, GHK16, Sid90, WKP12]. consistently [Not92]. consolidation [GLV03, GLV06]. constant [HBJ09, Xu13, GHK16, Sid90, WKP12]. Consistency [Hor93, Kel85, LL06, SKR16]. Consistent [HBJ09, Xu13, GHK16, Sid90, WKP12]. construction [GLV03, GLV06]. constraint [Fan11, FP02, GC15, KCP91, RF16, SH97, TL07, ZWL11, VK17].

Constant-Convection [VK17]. Constants [ND85, Mat86]. constitutive [Die15]. constrained [Arn98, BMM03, BH93, CXZ14, CD18, EM05b, FLMR14, Han87, KLSW10, LS93, LWCT07, Meh08, RP01, SP99, Tou10, USHT03, Yu08, YP18a, YP18b, ZP12].

Constraint [Cao09, RP01, ZW87, Che16, YD07]. constraints [Aca12, BSZ15, BGIW18, CDI91, HDG17, KP03a, LDP14, Sch09, YLS09].

constructing [LS93, Ran15, Ren14, Sad97, To03]. Construction [BZ91, BJ96, BJ98, CCP17, GH02, HZ02, JMI17, Mat91, Nc86, PR09, PT95, SM93, YR09, AG98, ABH14, Ano87a, CV88, FJ17, JL86, JL87, Lem02, LX08, Man96, MP97, TY00].

Constructive [AAD08, JNPC03]. contact [AC18, BBD18, CFRA08, CH13, Cop03, CF05, CF13c, CF14, CA15, CA16, DPPR16, GS15a, Gw09, HS07, HL02a, HMW05, KM11, KW12, Por17]. contaminants [BM04a, BM04b].

Contents [ANO18, ANO15]. continua [Hin97].

continuation [BZI7b, GS89, HH10b, Jac88, Jm06, KLSW10]. continuations [Lyo12].

Continued [JT88, Bre88, CTV88, CV88, GGMP88, Gi91, Hau88, Jac88, Lem88, Lev91a, Lor10, Nja88, Waa88].

continuity [AW03]. Continuous [BDGP96, BDPO99, CW98, CM07, CLGD06, EH97, TYJ11, Arc06, BT97a, BV96, Bel97, BN12, BG02, CC17, DV95b, DM18, Fra16, GFB99, JR02, JNPC03, KK17, LHC09, LOS03, LZ17, MST09, Pic05, SA12b, VZ93, ZL18a, ZL14].

continuous-discontinuous [Fra18, ZP12]. continuous-discrete [LO16]. continuous-time [KK17].

continuous/discontinuous [ZL14]. continuously [CST97, Zha09]. continuum [Dal00, JEG10]. contours [PFT03, Hin97]. contract [GQ08, MQ00]. contraction [PK91]. Contractivity [Bel97, GCHR06, JL94, Zen93, BS92, Hor99, Kra06, ONL89, San98, Wan17a, in 02].

Contractivity/monotonicity [GCHR06]. contrast [ZCC11]. contribution [Jon57]. contributions [AFS96, GR02, VS96].

control [AH09, AB09a, AVNVMV09, AW09, BKM13, BCT16, BGH08, BS96a, BVdV99, BS15, BC00a, CKP15, CH99, CY05, Con01, CF05, Dah02, Dat99a, Dat99b, DMP08, Deh01, De 06, EBC07, EGL09, Han06, Hig93a, Hua98, HFL13, HO16, Je04, KP18, KN08, KRI15, LY03, LT05, MDHK06, MC00, MP94, NK11, NH15, Pe16, RSD06, Sha05, SG06, SW94, Sim94b, Sid06, WK12, XL11, YGY15, Y16, ZSJ04]. controllable [Leo10a]. controlled [EK05]. controller [LT07]. controlling [For02]. Convection [RBBC85, BO04, BC08a, BBSC05, BC04a, BW96a, BW97, Bla00, BTDV10, CP05b, CT93, CK13, CJS98, DSS98, DXY09, DM11a, Die15, DCDVR03, DL06, Fra14, Fra16, GAML04, GD09, HM00, Hua17, Jun06, KT05, KC03, KS01, Len00, LYY09, LS99b, LD02, Luc05, MOS02, Mar05, Mat09, MG18, NS03, OQ15, Sac93, Sch91, SZ09, SG07, Str98a, ST08, SWW11, Tse00, VLO8, WL09b, WK00, YZ17, ZMC13, ZML12, ZX14, iW07, VK17].

convection-diffusion [BW97, Bla00, CT93, Die15, Fra14, Fra16, KS01, Len00, LS99b, OQ15, Sac93, YZ17, ZMC13, ZML12, ZX14].

convection-reaction [BW96a].

Convergence [ACMR06, APJ10, ABC18, AFLG12, BASC17, BM00, BK09, Ben17,
[FR01, QMLC15]. **defect-correction**

[QMLC15]. **deferred** [BM06b, CW98, HS11, Kre07, Lay08, Lay09, Min04, VV02].

**defibrillation** [CKP15]. **deficient** [Baz03, SY07].

**defined** [Att97, CFS13].

**definite** [AA05, Ara99, Cao01, DL01, Liu02, Lu98b, Sha98, TM15]. **definiteness** [Mar08].

**definition** [KW93].

**Deflated** [EAV16, Du11, WPS18].

**deflating** [AA94].

**deflation** [BWEP95, Mor05, VSeYD02].

**deflections** [YTZZ18].

**deformation** [GKT10, KM11, TYKK01b].

**deformations** [PFHL09].

**degeneracy** [Li08, PPS05].

**Degenerate** [DFZ16, KKK92, BBRBS09, BBC05, BCS06, DSSC13, yGyZ07, KL98, KK99a, LC99, Sp90].

**degradation** [DSSC13]. **degree** [AA04, AL09, Beg00, BWY17, Has08, Kin94, Mil17, PM91, Sal03, Xiu08].

**degrees** [Mau08].

**DEIM** [YV17].

**Delaunay** [LS93].

**Delay** [SG06, ZFX17].


**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, tSqwG16].

**DELSOL** [WB92a].

**delta** [BW15, GGS04].

**Deming** [Mon09].

**denoising** [BS10, YCY12].

**denominators** [PA91].

**dense** [LW92b, ZNK02].

**density** [AKT97, CKS05, SW06, BNH01].

**Dependence** [BN03].

**Dependent** [FG96, AB90a, AL17, AF89, ARS97, ABRW18, AMS17, BJ05, BP14, BDF89, BrTBV87, Bre02a, BK12, BJ01, BJ03, BJ06, Cah92, CP05b, dCCSR03, CCS17b, CST97, Dia95, DY03, DR93, FNT06, GLPW09, GGR97, HHT97, HP14, HM15, HM17, HILK13, HR96, HLIS16, JCSR03, KH91, LKV01, Lay09, LTT07, Lua17, MG97, MS08b, NT92, NC16, Nor97, Pea16, PJB04, PAJ12, RZ00, RY13, Rya00, Sar05, SM13, Sim10, SS17, SVDVvD06, TER03, ToC01, Wan09, WZW13, Won08, WdG92, YS09, ZFX17, ZYS17, ZJ10, tV87, vDVS08].
device [LS07b, YY13]. devices [AC08, BBS11]. diabetes [MLK06].

diagonal [BLY17, BKS07, Fuh01, TW00, ZH15].
diagonalization [HC01]. Diagonalized [AyLqW18].

Diagonally [But93, DR09a, JR00, ABH14, BJ96, BJ98, BW03, CDP12, FS08, HH10a, Hor98, JvZ95, vSC92, vS93, WBCK02].

Diagonally-implicit [But93, BW03, CDP12]. diagrams [Mar93].

Diagonals [CL07].
dichotomically [ELLE02].
diesel [SM08].

difference [BKM95, BCE04, KKP17, Pot85, RBBC85, RS00, AES15, AEMX17, AAI+93, Ano87a, AFS00, APJ10, BM00, BM12b, BS18, BCS06, CCG13, CGA93, CHSS01, CP05b, Chi12, Chol13, CCL04, Con99, CMCGTR02, DA18a, Dor01, DS15, Est95, FE93, FG98, FKA+13, Fou00, GX11, GLV03, GKM09, Gla94, Gol00, GFM00, Hag15, HZ09, JL86, JL87, Jor11, JV09, Kam00, KL05, KBS11, Kat89, KD13, Kni94, Kni95, Kop89, KDK17, KW93, KLSW06, LY08, LHFW08, LY09, LR18a, LR18b, LS99b, Lyn99, MDP10, MP11, MM14, MT06, Mic03, MdD04, Pap95, Pir90, RZ00, RZ18, RTU15, RT95, RU07, RU15, Sam94, SDK15, SA18, SL15, SMA01, Sto96, Str98b, SWW11, zSW06, SLZ10, Tan93, TYYK10b, Tol03, Tsy96, TF00, VV09, VVD95, WH09, ZG92b].
difference [WL18, WS04, YDWW17, YH07, ZDL17, iv09, vSW90]. difference/finite [DA18a]. differences [Gul15, Zeg97].
differencing [AEF+14, Dea11, RK91, van86b]. different [DJM09, GGG16, HS02, JT09, LWD+09, MM16, SWFK13, SC08, Yu99].
differentiable [Zha09]. Differential [BGHR12, BGH+15, FR18, Jac87, Mar02, Pet87, Rei85, RU07, Abu04, AB88, AM99, AM00, AMCM08, AT93, ABF09, AF89, Arn93, ARS97, ALP+96, ADH00, AV00, Bac16, Bac17b, BS14a, BJH05, BHJ06, BKM95, BF92a, BT7a, BBPR05, BP06a, BL05, BKP09, BJ05, BZ92, Be97, By01, BMGG12, BGGA13, DFB99, BF92b, Bho12, BCC16, Bla01, BTBV87, BR94, Bok03, BJ11, BMP15, Bre06, BP92, BBM97a, Bu06, BS12, BS18, BC89b, BB96, BDP96, BB98, But92, BC95, BJ96, BJ98, CC90, CGA96, CL01a, CHZ14, CD95, CSS87, CCM02, Cha98, CZ12, CL01b, Chl12, CST97, CN11, CN15, CP03b, DS05, DR09b, Den93, DL13, DLVP17, DB08, ELCWS98, ESEKZ10, ER18, ELLE02, EGL09, EMMK01, EH97, En06, FID18a, FMMK01, Fun11, FL93].
differential [FTB97, Fe06, FT06, FNT06, Gan09, G696, GS99a, GPA06, GLM09, GM17, GN86, yGqWc05, yGy07, yGy90, GGO13, Guo01, HM87, HZBM05, HP18, HJ05, HJ17, Hig93b, HXW15, HR96, HL89, IM98, Iso02, IJ17a, JL91, Jac93, JvZ95, JvZ96, JvZ97, Jc02, JRW06, JZK06, Jay95, JW01, JCN94, JMY10, KP15, KV95, KK11, Kau95, KO96, KS08, Koz94, KP15, KKR15, LHHRR4, Lay09, LPZ00, L05, LZ14, LZ17, LY17, LSL11, LMSW17, LSL14, LY17, LL18, LP00, LSS9, Luc05, MDD14, MAH18, MP96, MCS16, Märl95, MT11, MZK05, MT06, Mok17, MP94, MN08, Mur99b, NMEK13, NLS81, NT92, Oly92, Ost93, PM05, Pan92, PT11, PTV16, PH17, PAJ12, Pot97, PM14, PG02, Puk05, Pul09, PSL18, ROB17, RA05, RKVZ15, RT00, RT02, SS08a, SA90, San89].
differential [Sar06, SA12a, SMEN04, Sch02, Sch86, SDB13, SG06, tSqwWy16, SZ12, SX17, ulV13, SdHfN86, SCvdH92, Sp97, SL01b, SG17, TN16, Tan93, TX18, Tem15, Tho15, Tia15, TB01, TY11, TZA13, TDP17, TV91, Tro93, VV09, Vun00, Ver96b, WGGKS12, WZL08, WG10, WC11, WX13, WGW15, WMF17, WAV12, WC14, WYL11, WB92a, WB92b, WS97, WdG92, XFLC00, Xu13, YX17, YBL13, YC13, YDWW17, ZG92b, ZH09, ZC10, ZZO16].
ZFX17, ZSJ04, ZP97, ZP98, ZX09, ZC99, ZAR15, ZK00, Zuu95, dDF, in 92, in 95, in 96, v87, vSW90, van96, vS97, vvdV97, vdHSW98, vB95. differential-algebraic [Arn93, BL05, BKP09, BDF89, DS05, EGL09, Hig93b, Jay95, JW01, KKR15, LPZ00, Luc05, MP96, Mär95, Mun99b, 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, ALMM96, ALMM98, ALMM01, ABJ12, AC18, AL98, ABB15, Bar05, BL15, BADA9, Bec18, BM01, BO04, BBBS09, BC08a, BCS05, BC04a, BM04b, BW97, Bla00, BTVD10, BFST0, BK12, BC97a, BCDP17, CGGS11, CFCH09, CC18, CdFN01, CM06, CD17, CT93, CDW13, Chn17, CJS98, CF08, CA16, Deh01, DYX09, Den15, DM11a, Die15, DHE09, DL06, EV96, FMP04, Fou00, FV87, Fra14, Fra16, FJ95, GAML04, GS15a, GLS09, Gas92, GV02, GPPR12, GPHA16, GS94, HM15, HW06, HEG16, HS95, HFL13, Jia12, JTO6a, Jun06, KM95, KKT6, KV07, KC03, KOW05, KL09, KS01, KS04, LWT07, LW93, Lan95, Lan97, Len00, LID01a, LY09, LR18a, LS99b, Liu09, LYY15, LCLW17, LO96, MOS02, MMKN17, MPSS16, Mar05, Mat09, MG18, MOSW00, MRFF17].
diffusion [NS03, NMB10, OQ15, Par04, PS09, RSL89, RZ18, RY13, Sac93, ST11, ST14a, SZ09, SM13, SY18, wSJP15, SJ18, SG09, SG07, SW13, SA18, SL15, Str98a, ST08, Su94, SWW11, SvGV06, zSW06, SW17, TSB10, TH09, TRO96, TMM15, VA05, VVR08, Vei10, Wan01, WLO9b, Wan09, WZ13, WW14, Wei09, WBO3, Won08, WG11, YL13, YZ17, ZMC13, ZCZ15, ZML12, ZX14, dHV13, iW07, iW09, iM13, VK17].
Diffusion-Reaction [VK17].
diffusion-wave [CC18, LR18a, SA18, zSW06].
diffusions [Dah02, SPI90].
diffusive [BMMZ06, C¸K13, CCM17].
diffusivity [MG18]. digital [GG95].
dilation [GP17].
dimension [HL89, LL98, MP11, SSvG10, TM04, WSS97].
Dimensional [Per88, Pet87, SR88b, TMS87, TD09, AS11, AW03, AMR12, ASCM02, Bac14, Bak89, Bar09, BBRS09, BG11b, BZ17a, BFA93, BS94b, BBLT15, Bri85, BS12, BF95, CH01, CDW13, CAAT16, CY05, dCCSR03, CPOGO17, CMCGR02, DlW09, DE06, Deh01, DA18a, DA18b, DCC14, Din93, DN08, ELCWS98, FP02, FD97, FSB02, GX11, GM16, GMM09, HZ09, Hor99, HK85, HR97, JTB15, JTO6a, JGK11, KV07, KM16, KF07, KCC04, KS09b, LM00, Lan95, LCHR03, Li16, LS07b, LAH09, LS93, DLM16, LMWZ07, MQ017, Med96, MH16b, Moo95b, Moo95c, MUS11, NY13, PR90, QM10, Sch91, SJL86, SIW17, SR09, XP09, SJ11, SZE19, SvdHK94, SK96, SW12, Su94, SWCH15, TJ12, TV91, WZ13, WQ17, XC85, XLO9a, ZCSS11a, ZQLK11, ZCSH11b, dHV13, iW09, vSK97].
Dimensions [MOZ87, BJHJ06, BD11, CMP03, EFLFP09, FL09, Gar03, KZ13, MPSS16, Mar05, MD96, Ros93, Str98a, TM05].
diminishing [Ano87a, JL86, JL87].
DIMSIMs [FJ17, JM17, JAC02].
dipole [Nes16].
dipoles [HNP17].
Dirac [Gia12, GGS04].
Direct [ECB07, Leo10a, VV95, YC13, AT93, BCT16, BM01, CM02, CCGMTR02, CCJ99, CMCGR02, DB08, HFL13, HT94, LCVG01, Map05, Zla85a, MS13].
direction [ACM91, BJO0, CSXL14, FMU15, GX11, JL94, KH91, PHI87, XZZL15].
direction-dependent [KH91].
directional [BKR13, Dal13].
Directions [Bie87, CZX14, Sch99, dRT99].
Dirichlet
[Ant13, Bie12, DA16, DP85, DY03, HJ09, HB09, MH14, MA08, MG18, OMP98, PA18, Sch16b, Zho18, vR04].

**Dirichlet-to-Neumann** [Bie12, OMP98].

**DIRK** [Ale03, Cam99, HO10].

**disadvantages** [Car09b].

**disaggregation** [Mar03].

**discontinuities** [AG05a, AGY08, CFXZ06, Hig93a, JD09, KS07, SB18, WB92b].

**discontinuity** [DL13, MQO17].

**Discontinuous** [BP06a, CGJ16, Cas06, Fre98, GHH09, KS07, SB18, WB92b].

**Discontinuous** [BP06a, CGJ16, Cas06, Fre98, GHH09, KS07, SB18, WB92b].

**Discontinuous** [BP06a, CGJ16, Cas06, Fre98, GHH09, KS07, SB18, WB92b].

**Discontinuous** [BP06a, CGJ16, Cas06, Fre98, GHH09, KS07, SB18, WB92b].

**Discontinue** [DL13, MQO17].

**Discrete** [DLM05, Ehr08, FHK05, Har93, KR18, LMS08, AM09, Ale11, AD18b, BS14a, BM12a, BKM13, BRIP08, BCO04, BF09, BH06, BL06, BGS02, CXNF14, CRS05, CMS04, Dal00, DV95b, EV96, Enr06, FGRP12, GB99, Gon06, Hu99, KPR12a, KK17, LOS03, LSK12, Lyn92, MC17, MRH14, MWYZ18, PR09, PT11, PD01, RT14, zSW06, Vej10, jWj17, YK04b, ZQY18, ZWK15, ZR15].

**discrete/continuous** [GB99].

**discretely** [FP01].

**discretisation** [BDM03, HvdHV10, TGB08].

**discretisations** [Mat09].

**discretising** [HS95].

**Dissipation** [ABD16].

**displacement** [CV91].

**dissimilar** [AMC02, APJ10, BVV09, BJ01, BJ06, Fun04, GLV06, Gje07, GT93a, HS98, HW97, HST14, HS97, LO95, Mul99, OsW97, PBJ04, Sch02, Sch74, Str98a, vSK97].

**Discretize** [SC11, CD18].

**Discrete** [DLM05, Ehr08, FHK05, Har93, KR18, LMS08, AM09, Ale11, AD18b, BM12a, BKM13, BRIP08, BCS17, BW95, BR12, CGT13, CLT97, DY17, DM11a, DT10, FMS18, GHK16, GAW09, HL99, HT94, KDAK13, KPR06, KvyS15, Kra92, LPT94, LCLW17, LO96, MS86, NBNTGV11, Rei99, Rob01, SW12, TN16, Taa09, VB07, VK17, VL08, YB10, vR04].

**discretizations** [AMC02, APJ10, BVV09, BJ01, BJ06, Fun04, GLV06, Gje07, GT93a, HS98, HW97, HST14, HS97, LO95, Mul99, OsW97, PBJ04, Sch02, Sch74, Str98a, vSK97].

**Discretize** [SC11, CD18].

**Discretized** [AMC02, APJ10, BVV09, BJ01, BJ06, Fun04, GLV06, Gje07, GT93a, HS98, HW97, HST14, HS97, LO95, Mul99, OsW97, PBJ04, Sch02, Sch74, Str98a, vSK97].

**Disease** [HL97].

**disorder** [Den07].

**disordered** [ABD16].

**dispersion** [CV91].

**div** [BVV09, MV18].

**div-grad** [BVV09].

**divergence** [CHSS01, GDS+15, HZ12, HS97, Mat08, MP15, MWYZ18, Pas91].

**divergence-free** [HZ12, MP15, Pas91].

**divergent** [BW15, CFV10, Ch10a, vR10b, ZJ10].

**diversification** [AD99].

**divide** [DH94, Jes93].

**divide-and-conquer** [DH94].

**division** [FT96].

**divisor** [BW17].

**DKLAG6** [CST97].

**DMLPG** [MS13].

**Domain** [AF04, Bog00, BS91, CES91, IVA93, JM06, KG90, Kop89, KJ99, LO98, ML91, Pas91, Pav00, TMS87, AMR14, ABC18, ABG+15].
domain-based [Har98].

domains [BN12, CL08, CM02, DS17, FID18b, FMS18, Fer09, FL15, FBM17, yGyZ07, HZBM05, HP18, HY01, JT06a, KDK17, Lau17a, LHWF08, MPTT17, Nke07, Roz05, RA09, RS00, RU15, SFJ+05, SvdVvD06, Tsy98, TY00, Wal00a, WS04, Yos00, Zha14, ZZL17].
dominant [DB95, SMJ12].
dominated [BC08a, CP05b, GAML04, Hin95].

D¨oring [DS01].

dual-species [CCK03].
duality [DE16].
duals [MB08].
duct [Gla94].

Dual [CLS04, GHT05, BSZ99, Car09b, CCK03, HMW05, MDT05, NRR06, Szh99, dRT99].
dual-diffusive [CK13].
double-sided [GL17].
doubly [BW06, WK12].
down [CH04].
downdating [YK04a].

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

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

Drummond [BRZ10].
dry [BDMG12].

Dundee [CMB17].

Dunedin [Sta86].

dynamical [CLT97, J´ez04, Arn95, Bai02, BM06a, BCF+13, CH95a, Car94, CCP04, DV95b, Hwa00, Ise94, LBCN00, MR06, Pull12, Ram96, RW87, Sch95a].
dynamically [Tho85, TL92].
dynamically-adaptive [Tho85].

Dynamics [MOZ87, SH97, ZB07, AB12b, AS00, ADH00, Aya09, Basc17, Ckp04, DK15, DG96, DM11b, DC18b, Elm02, EK97, FL05, FMP04, FJ95, Gju87, JRT90, Leo10a, LSGK15, Lub04, LS05, NRWF08, Pow94, Pul86, Rob10, RA17, SB03, SD93, Tad86, Tur93, VS91, VT91, ZML+12, dPT96].
each [GGG16].

early [ZGO12, ZO14].

early-exercise [ZGO12, ZO14].

Earth [Nak05].

Earthquake [FKA+13].

Economical [BM06b, CN11].
economization [Som86].
eddy [BKP14, LCVG01, MS08b, RV09, Sel14].
eddy-current [RV09].

Edge [CS04, BG06, CX05, KM95, OK98, PPS05, Son99].

edges [JGK11].

Editorial [Ano87b, Ano11a, Ano18g, Ano18h, GW02, Vic05, Ano91, Ano93, Ano03e, Ano03f, Ano04d, Ano04e, Ano04f, Ano04g, Ano04h, Ano04i, 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, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i, Ano17j, Ano18a, Ano18b, Ano18c].

Editorial
FID18b, FS15, Fat12, FMGN94, FLÖ^+97, Fre98, FJS99, GAMLO4, GM10. **element**
[GAW09, GLPW09, GGO12, GGO16, GP01, Gol86, GHT05, GGG16, GRRN17, GS94, Gwi09, HLZ14, Har10, HKZ08, HLMP09, HSS04, HL08, HMIV03, HL0a2a, HL03, HvDHV10, HW97, HsI06, HLC01, HZ02, HZ12, Hua17, HSY18, JI94, JP08b, JEO09, JK14, JCL18, JEG10, JOH01, Kam16, KDAK13, Kar89, Kie17, KK09b, Kim12, KJ99, KFOF02, KZ13, KN93, Kur98, KX03, Kwe01, Kwe03, LHC09, Lam13, LCHR03, LP05, LW^+99, LIO9, LI00a, LI01a, LH08, LH09, LA11, Li12, Li16, LH17, LX09, LLS^+96, LI09, LCLW17, LAHO9, LL02, LW95, Lucy95, LZY09, MD00, MK14, Mai06, MCS06, MSZ10, MH16b, FM16, M003, MWWY18, MUI99, Nak05, NY13, Nke07, NS16, OL18, PZM16, Pec09, PP00, PT95, QMLC15, RIC91, R105, ROb10, R1V5, RX08, RBT15, RA09, SSZ16, SS00. **element**
[SGS00, SD11, SD13b, SH10, SQ17, SWX00, SA00, SG07, SD09, SI10, TCLP18a, TL1P18b, TN16, TW00, TM04, TM05, VO00a, VMS07, WZ13, WCQ18, WSY18, WK00, W0n08, XL09b, YGY15, YLL09, YSO9, YY13, YSBL14, ZL17, ZOZ09, ZC15, ZPT92, Zhe07, ZW15, ZZ17, Zho17, ZZC^+18, dFNO0, van95, BTVD10, CLR11]. **element-free**
[LI16, ZOZ09].

**Element/Spectral** [BTDV10]. **Elements**
[CM09, AW03, Arc06, BHJJ06, Ber04, Ber05, BG06, Bot97, Bra00, BL08, BH12b, CZ04, CYM09, EJS11, BM08, F103, KX03, LOK03, LLMZ10, ML16, MM02c, NY13, O08, P17, RTVO0, Roz05, Sch16b, Sch87, SD13b, SD09, SL18, TL07, VO00b, V1D02, W0n07b, WCQ18, WC14, W17b, W18, War92, YGY15, YSBL14, YX00, YXY95, ZT15, ZWL11, Zou10, Zou11]. **elliptical**
[BDS09, DSV13]. **elliptical-** [BDS09].

**Embedded**
[KNT13, BDGP96, BDP99, r04, Kam16]. **embryogenesis** [MS^+15]. **Emden**
[ER18, LO03]. **emphasis** [GR02]. **enclosed** [DS17]. **enclosing** [D18]. **end** [Agu15, Wel10b]. **end-point** [W10b]. **endgame** [WWS^+93]. **ends** [Ito17, RL06]. **energies** [F17]. **Energy**
[AEF^+15, EFLFP09, ZH08, Bar12, BFGP00, CL04, GM10, Ito17, DE18]. **engine** [NER95, NR97, SM08, van98]. **engineering** [SW95d]. **engines** [Fer14].

Enhanced
[BB94, CCC08, GT00, Aff94, CHX13]. **enhancement** [BGO13, WZ02]. **Enlarging**
[Zha07]. **ENO**
[AMR12, BL06, HS98, KS09b, SZ8^+92]. **ENO-discretizations** [HS98]. **enough** [Emr06]. **enriched** [WCSQ18]. **enssembles** [AB17]. **ensures** [Rob01]. **Enthalpy**
[ES05, Ros93]. **entire** [D08]. **entropy**
[C1D91, HJP10, Tad86]. **environment** [GNP02, LSL13]. **environmental**
[DMP08]. **environments** [LS90a, RN04]. **epidemics** [HJ06]. **epitaxy** [CZY18].

**equalities** [MMP09]. **equality**
[LP^+14, ZP12]. **Equation**
[Ant13, PB10, PG08, AS11, ABJ12,
ADK94, AS04, AHO16, Ale11, AT15, ACMR06, AB10b, Ang06, AM10a, AD01a, ABR05, AR15, APJ09, AM04, AED12, ADH00, AMS17, Bac17, BF92a, BS06, BEOPO0, BCS17, BM01, BGT97, BCM04, BMGGG12, BN12, BM04c, BLM17a, Bho12, BDKM92, Bor02, BDN97, Boy91a, Boy07, BDd007, BP92, BPTT15, BR97, BC97a, BB98, CGT13, Cai09, CFS13, CGP15, CCG13, CM09, C¸D17, CCZZ18, CJL13, CJ18, Che88, CH01, CDW13, CHH15, CXX17, CLP15, CF13b, Cho13, CCL04, CCK08, CRR03, CH89, Dav98, DS07a, Deh01, Deh05, DA16, DA17, Dek17, D97b, DSK12, Duv09, DC18b, E03, EVO04, EVO06, Est95, FWL18, FP02, FRRJT10, Fdi96, FT06, FL09, FL15, FI03, FG13, Fre98, FFQ09, GGN12, Gia12, Guo96, GGO13, HZ09, HP14, HM15].

Equation [HM17, HILK13, HLT07, HS95, HW04, HJKW17, HJL18, HvHV10, Hor99, Hor02, HK55, HLY04, HLZ06, HO16, Ise97, Isk89, JR00, JRW06, Jez99, JR02, KDAK13, KBS11, KO96, Kim95, KRKB16, Kra92, KK86, KR15, Lau17, Len00, LHWF08, Li08, LHW17, LLHC17, LR18a, LZ18, LR18b, LD97, LO03, Liu97, LCLW17, LP01, LMWZ07, LZY09, Lyn09, Ma03, MZZ17, MD10, MRDR11, MB10, MPTT17, Mai09, MP11, Mari93, MVVA09a, Mar05, MG97, MYSC17, Moe98, Mu09, Ngu15, NMB10, OMP98, OL18, PR89, Pau92, PR00, Phi91, RZ18, Ric94, Rob01, RT14, RMK09, RS00, SS08a, SS94b, SLW17, SY18, SJ18, Sim91, SG09, SSD1, SDK15, SA18, SL15, SG92, Su94, SWR11, SW17, TN16, TMD92, Tar98, TOD11, Tia15, Usm97, Van92, Vns17, jWvG08, WL10, WN12].

Equation [WZW13, jWjJ17, Wan17a, WQ17, WH18, WC14, WW14, WS04, XCS0, YJZ18, YXZ18, ZL17, ZZ18, ZWH17, ZJH18, ZML12, ZZ17, ZLL17, ZZZ18, ZXW17, ZR15, dVA02, jV09].

Equation-based [PB10]. Equations [BGHR12, BGH15, CP09, Jac87, Pet87, Rei85, ST86, AS13, ALMM96, ALMM98, Abu04, AQS94, AB88, AMT13, AK09, ADR17, AM99, AM00, AMCM08, AHR12, AT93, AM03, AB07, AI17, AW03, ABF09, AR18, AF89, Anm93, ARS97, ALP96, AAD14, AD18a, AD18b, AM10b, AFF15, AO91, AV00, BSGU94, B16, Bac17b, BHI05, BHIJ06, BM95, BBP90, BF06a, BL05, BKM13, BLW07, BES18, BP90, BF17, BJ05, BGS06, BLY17, BRS91, Beh97, BZ92, Be97, BO04, By01, BB15, BHSW16, BG11b, BGGG13, BF92b, BW95, BG02a, BZ17a, BCC16, BG03, BLM17b, Bl01, BC01, BtTBV87, BDFV95, Bg16, Bok03, BVV09, BF09, BBLT15, BJ11, BH13, BCG13, BTDV10, BVB10, BVR14, BRBB18, BFdS10, BMPR15, Bre06, BS93, BS08, BK12, Bru92, Bru97, BMM97b, BMM97a].

equations [Br07, BL06, Bu06, BH97, BS18, BDM03, Bu12, Buir12, BCS06, BC99b, BB96, Bu92, BC95, BJ96, BJ98, Cab92, CFXZ06, CXNF14, CLT97, CC18, CdpN01, CC90, CGA96, CL01a, CP04, CXLX07, Co10, CHZ14, CCP17, CP15, CKPS15, CD95, CSS87, CMM02, Cha98, C90, CT93, CH01, CL07, CXZ09, C12, CL14, CSXL14, CHH15, CS09, CL01b, CRU15, Ch12, CH13, CBD16, CK13, CJC99, CY05, Cod08, CNS00, CP17, CST97, CN11, CN15, CMC17, CG14, CP03b, Cum95, DT15, DD97, DS17, DG10, DS05, DR09b, DA18a, DMH15, AJ09, DYX09, DM09b, DZ12b, Den15, Den93, Der92, DM11a, DCC14, DS97a, Die15, DLPV17, Dob05, DB08, DBB14, DLN04, DGRS09, DSSC13, DC09, Dor01, DJL04, DS01, EAV16, Ehr08, ELCW98, ESEK10, ER18].

equations [EV96, ELE02, EGL09, EMMK01, EH97, Em06, EK06, EHO9, FID18a, FLS94, FS15, FMS18, FMMK01, FD16, Fan11, FL93, FJ97, Fel06, FNT06, FCX06, Fer09, FPR12, FJP17, FR18, FV87, FJ95, FJS99, Frc04, Fuh01, Fun04, Gan09, Gan96, GS99a, GX11,
GLLW14, GM16, Gar96, Gol86, GLM09, GM17, GKA17, GGS16, Gug05, GRRN17, GN86, GS94, Guo00, yGqWsWC05, GH07, yGyZ07, yGpY09, Guo15, Guo01, HGP11, HP85, HN03, HM87, Han93, HZBM05, HO10, HP18, HHT97, HJ05, HLR18, HHCO8, HLO8, HS86, HEG16, HJJ17, HS17, Heu00, Hey10, HL03, HLMKZ06, HW15, HA16, HX11, Hu99, HR96, Hu98, HLL09, HZ12, HFL12, Hu17, HV95, HL89, IM98, Iga85, Ise02, ITZ17, IRC12, IJ17a, JL91, Jae93, JVZ95, JY17a, JZK06.

equations

[JMS99, JKW12, Jes85, JW01, JEG10, JCN94, Joh01, JMY10, JT06a, Jun06, JT02, KAI96, KV07, Kau89, KX91, KKK92, KNN03, KO08, KPY15, KS00, KT05, KV95, KK11, Kau93, Kau97, KMB85, KCI00, KOC3, KOR18, KO92, KF97, KS02, KLY05, KS08, KO97, KNT13, KSS16, KCW16, Koz94, KCB02, KP15, KR18, KN03, KLSW10, KKR15, LH11, LHHR94, Lan95, Lan97, LP05, Lau17b, Lay09, LT12, LS16, LH00, LP200, LH02, Li05, LH08, LY09, Li11, LA11, LZ14, LZ17, LYF17, LS11, LS12, LZ17, Linc01, LK07, LMSW17, LS13, LY16, LW92a, LW92b, LY03, LW07, Liu09, LZZ14, LYK17, LLD18, LNZ12, LR00, LO95, LO96, LS98, LRE04, MDD14, MQO17, MM18, MAH18, MA14, MO17, ML16, MS08a, Man96, Man97, MCS16, Mar99a, MVVA09b, Mar95, MZK05, Med96].

equations

[MT06, MV17, MG18, Mie89, MOU14, MM02c, MD10, MH16b, MK17, MP94, MN08, MRFF17, MWYZ18, NK11, NMKE13, NLS18, NT92, Ng00, NT16, Nee07, Nee08, Nee09, Oji88, Oh02, OT02, OS12, PM05, Pas91, PM91, PT11, PTV16, PD01, PA18, Pe00, PP92, PH17, PAJ12, Pot97, Pow94, PM14, PG02, Pui05, Pul09, PSL18, QLE+89, QM10, QR03, QMLC15, QAMX17, Rab94, RZ00, ROB17, RA05, RR14, RG05, RV05a, RF16, RA03, RTV00, RTV02, RZ91, Ril92, RSO8b, RLS06, RK91, RSK14, Ro95, RT95, SST12, SSZ16, SA90, San99, Sar00, SH09, SKBAS08, SA12a, SS99, Sch98, SZ09, Sch87, Sch95b, Sca09, SB14, SD11, SD13b, SG06, SH10, SV00, She96, She00, SY05, SY07, tSc16, TZ17, SZ12, SWW16, SZ17, SVB17, Sid02, SG07].

equations

[uiVS13, SS16, SS13a, SvdHN86, SCvH92, SW13, Sp97, SMA01, STS00, SCT05, SW12, Sti03, Str98a, SG05, SGB09, SS12, SWW11, SLZ10, SG17, Tad86, Th96, Tua93, gTP07, TX18, TH18, Tua09, TJK18, Tem15, Th05, TLY92, TB01, TY11, TZA13, Ton04, TH09, TDW17, TLL09, TV91, Tr093, Tr096, Tsy96, TY98, UNGD08, VG04, VA05, VB07, VBD93, VV09, Van00, VK17, VCC12, Ver96c, Vic87b, WGSK12, Wan01, WY02, WZ10, WL09b, W010, WC11, WWX13, WZ13, WCW14, WGW15, WZ16, WM17, WL18, WSY18, WAW12, We09, WYL11, WB92a, WB92b, WB03, WPL16, WSS97, WG11, WdG92, XFLC00, XL09a, XL11, XTY17, YH00, YS09, YT00, YC16, YC13, YXB95, YL5+09, YDWW17, ZdBT03, ZG92b, ZH09, ZC10, Zha14, ZL18b, ZZZ97, Zha01, ZOO16, FZX17, ZSJ04, ZPP97].

equations

[ZP98, ZX09, ZCSH11a, ZCSH11b, ZGDL17, ZC99, ZAB15, Zou00, ZK00, Ztu95, dAF17, d9H5, dDF+94, d92b, dG91, d93a, dPT96, diHV13, in 92, in 95, in 96, iW07, iW09, im13, tV87, vSW90, van96, vs97, vvdV97, vdHSW98, vdVS08, CDP12, RMM12].

equidistant [Bec18, DS97b].

equidistributed [BM00].

equidistribution [BM01].

equilibrated [Yi12].

equilibrain [Eir99, GPHA06, Sch02].

equilibrium [DGM18, DJL04, ITZ17].

equispaced [BS09].

equivalence [BC89a, LLD18].

equivalent [PSP04b, RMCG04].

ERES [CKM10].

ERKN [WWX13].

Errata [Tsy96].

Error [Kni95, ZCSH11a].

Error
PPC00, RT14, SG92, Tah96, 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]. examples [HM17, Yi12]. examination [Sch98]. example [QM03, Ran15, Ran16, VVR08]. Examples [CH15, FJ09, Ise97, AB10a, AW14, FV87, GHKM09, HH98, Hag15, LA12, SL17]. example [Sch98]. example [QM03, Ran15, Ran16, VVR08]. Examples [CH15, FJ09, Ise97, AB10a, AW14, FV87, GHKM09, HH98, Hag15, LA12, SL17]. examining [Bec18]. exhibiting [SG92]. Existence [Fuh01, HS95, KP15, Ma03, FL01b, Gu01, HHT97, Spi13]. existing [CZY08]. exotic [DLM16]. Expanding [HW93]. expansion [Boy07, CKK10, Fel06, GGS16, Han93, Hig93b, HH10b, LX09, NS13, Wal90, WE99, Zan01]. expansions [AR93, Bor10, CJM88, DC09, Har00, KM17, KP92, LC99, Mac92, Mie89, ZO14]. Experience [Ney95, SD93, BR97]. experiences [BSFDM02, HvdHV10]. Experiment [TYKK01a]. Experiment-based [TYKK01a]. experimental [Aya09, FHM+02, KKN+13, KKN+17, SA08]. Experiments [BH85, HG98, Sch99, Ste97, BG11c, CFXS07, JMP06, PWS98, SY03, SH02, SG92, TOD11, VP91]. Explicit [AM99, Cha98, CS03, Con01, DM11b, DGM18, HLR01, Nuo95, Ric91, Som93, V95, Ver96b, WVB18, AS04, AR97, BC08a, Bos09, BCJP18, BH93, Bur85, BB96, BW03, CH95b, CMR11, CZ97, CCG13, CV95, FW07, FW08, FLW18, FD97, FHV97, GM16, Gje07, HS09a, Hoo15, HZ02, HJ03, JJ17b, KKT16, KK07, KCL00, KSSMM16, KW98, Lua17, MOU14, NMKE13, Oly92, Ost93, Ric94, SWJ09, SG96, SV00, uVSS13, Som86, SS09, Tsi01, Ver96a, VBH96, WWX13, WK12, WG11, WdG92, ZZO16, in 02, vSW90]. explicit-extended [KSSMM16]. explicit-implicit [WdG92]. exploding [NMKE13]. Exploiting [GV04]. Exploring [Her91]. Exponential [CGP15, Duj09, HO05, QR03, RK08, TGB08, WEA12, ABK12, AB14, ACM09, AEF+14, BP12b, Bor10, CO09, CL07, CS17, Har00, Has13, KNT13, LY10, LRL14, Lua17, MS99a, SW09b, TN16, WPS18, ZZO16, dC18a]. Exponentially [BO11, VV05, VV09, Zar17, AW03, CDP17, GS94, VV07]. Exponentially-convergent [BO11]. Exponentially-fitted [VV09, VV07]. exponents [BH97, DV95b]. expression [Pre90]. Extended [Hey10, KCI03, SV00, Sim10, WX06, Bar05, BSL6, BT97c, CL85, C2, KD13, KSSMM16, K17, LZ18, Sim93, YT03,ZH09, van86a, OR18, CLR11]. Extending [AMV17]. extension [AGM09, AF92, EL97, Haa97, HZ02, MST09, TM05, Yel04]. Extensions [BRZ10, AF02, BS05, CV98, VZ93]. exterior [BM13, EB12, FL15, Gon06, Har98, HK85, L49, M02b, RS00, Zhe97]. extracted [Dah02]. extrapolated [Cao98a, SW03]. Extrapolation [BZ94a, Bre96, CM00, WC02, Bre85, BZ91, DSS15, FS88a, GG95, GC15, HN03, JM16, LD97, LX09, LL02, NS03, Nor97, Nor99, Now96, Rha97, SMEN04, Sid90, VR08, Wan07a, Wen10a, YBL13]. extrapolations [Cha96, CHH15, HLL09]. Extremal [DIR13]. Eyring [PT09]. FAC [MMT90]. facilities [TER03]. facing [CHK99]. factor [Mar09, RP17, SCT05]. factored [WZ02]. factorial [ Bor10, Wen10b]. factorially [BW15]. Factorizable [Sid02]. Factorization [vdHS01, BD85, BCS15, CG05, ELvdHS98, GV02, Gu06, LM17, LDP+14, Not99, ST09b, SHG86, GPHA16]. factorizations [BLM17b, Doi91, For02, Gu01, Mag91, Not92]. Failure [Gar92, KN08]. failure-prone [KN08]. fair [RN04]. falsi [CL07]. Families [DR09b, BCF+13, Bre91,
BDRZ04, FR18, Hin97, vdES04. **Family** [PSR04, AK09, ADM10, BFK11, CN16, Fra16, GPHAM12, KSS16, Kom07, OGV92a, Pan07, Ver93, YG95, YG99, Zha09].

**Far** [EH88, MRS03, Cha03, QL16]. **FAS** [Spi00].

**Fast** [Cao03, DNW18, EH05, HR14, MP98, Fca16, PT15, Ram12, RN04, STS00, SL17, BP14, BDN+97, Cai99, CGJ16, DM12, Eng11, GL93, IT07, LS16, LCJQ12, LCLW17, Mat05, MMT90, MR94, MRS10, She00, SKW17, TGB08, VK17, XL09a, Mar03, ST14b].

**fast-wave-slow-wave** [SKW17].

**fastest** [Dar00]. **FE** [HHR12].

**FE-analyses** [HHR12]. **FEA** [SA05].

**feasibility** [vR04]. **feedback** [MDHK06, SA05].

**Feedforward** [MDHK06]. **Fej`er** [Nov03].

**fem** [MOS12, BS14b, BGG04, BBG14, DS07c, Fra16, GPM12, GMZ11, Gas92, GMM09, GKMS09, GMS12, HHR12, HY01, KMS10, Lan97, MS00, MS08b, NS12, RDH+12, RV09, Sel14, Usm97, WXCL09, Yos00, ZXW17].

**fem-bem** [MOS12]. **FEMs** [Bec18, LY01, LH02].

**Fer** [Zan01].

**ferromagnetic** [Fra04b, SC03]. **FETI** [DHS05, Ste05a].

**few** [DV95b].

**FGMRES** [MRH14]. **Fibonacci** [BL86, KSSS16].

**fibres** [NS13]. **Fickian** [BFdS10].

**Fictitious** [BH12b, AMR14, ABG+15, Zho17, Zho18].

**fidelity** [CKS05, Rob01, SYG+05]. **Field** [DRC85, AAD+08, BC02, BF17, BLY17, BP85, CL02a, CKBK96, DM12, EN00, GD09, JK17, LM00, MRS03, PA18, QL16, Ram94, Ric08, TOCV02, YK04b].

**fields** [DFC09, Le99, LW07, Mag13, WSC09].

**fifth** [Chr01, CN16]. **filling** [FGPR12, LS10].

**films** [BCMV03, SSW04]. **Filon** [Has09, HAS13, Maj17a].

**Filon-type** [Has09, HAS13]. **Filter** [Wal00a, GT18, HC01, SX09, TZ00, Wal00b, ZP12].

**filtering** [Bar05, BGS02, KK17, LOS03, RGÖS18].

**filters** [YR09]. **filtration** [CGN03, CD13].

**final** [HP14, YL13]. **finance** [Lai09, Le 12, RO16, SS08a].

**financial** [CKM15].

**finding** [BASC17, Car04, CGG02, CZY08, HDSR17, Iga85, Meh08]. **Fine** [RTV02, GUS87].

**Finite** [ADFR18, BW86, BKP14, BTDV10, CD17, CLR11, CF86, CK13, Cop03, DL06, EGH01, FJS99, GAML04, GS94, JV09, KZ13, KR12, LMWW07, MT06, NB01, NFAE03, Pot85, RBBC85, Rei85, RV15, RA09, SD09, Sol15, YGY15, ZW87, AB17, AMRR18, AL09, AM13, AS97, AK00, ADK94, AA87, AA1+93, AKT97, AW03, AK08, ABR05, AM16a, ASCM02, ASC03, AP109, AP11, BSGU94, BC12, BHJ05, BJ06, BY00, BF01, BK17, BLY17, BM00, BM01, Beh97, BK09, BB15, BC08a, BMSS99, BM04a, BM04b, BM04c, BW95, Ber04, Ber05, BC08b, BDF94, BC01, Bo06, BNG06, BG14, Bohl03, BP97, Bot97, Boy15, Bra00, BJM01, BD11, Bir12, Bir13, BLO8, BH12b, CLT97, CCG13, CGG13, CDGA17, Car09a, CHSS01, Can08, CS94, CP05b].

**finite** [CCZZ18, CPM03, CS03, CC04b, CZ04, CCLT10, CL10, CJC13, CXZ15, CXZ17, CML05, CC08, CNT07, Cho13, CDJT06, Cod08, dCCSR03, Con99, CMCGTR02, Cuy12, DPPR16, DA18a, Dek17, DJ10, DSS99, DM11a, DLP06, DT01, DNH08, DL16, DS15, DMDQ09, dQgJNT09, DII15, DR93, EH07a, ER07, EN09, EJS11, Eva94, FL04, FG98, FMGN94, FL0+97, FKA+13, FM11, Fre98, FM07, FMU15, FL01b, GM10, GX11, GLLW14, GLV03, GLP09, GGO12, GGO16, GP01, Gol00, GHT05, GGG16, GRR17, Gu15, GJ17, HHR12, HZ09, HLZ14, Har10, HKZ08, HLMP09, HSS04, HHC08, HL08, HMDV03, HL02a, HL03, HVdV10, HW97, HZ02, HZ12, Hua17, HMMW05, HJ03, HSY18, Ioa89, JJ94, JK14, JCL18, JEG10, Joh01, Jor11, Kal96, Kam16, KDACK13, KT05, Kat89, KD13, Kie17].

**finite** [KFG17, Kim12, Kop89, KJ99, KFF02, KOS+12, KDK17, KN93, ...
KX03, Kwe01, Kwe03, LHC09, Lam13, LPT94, LM00, LCHR03, LWD+09, Li98, Li00a, Li01a, LY08, LH08, LH09, LMWZ10, LA11, Li12, LHW17, LR18a, LR18b, LX09, Lin10, LLS+96, Lin09, LCLW17, LAH09, LL02, LW95, LP01, Luc95, LZY09, Lyn99, MDP10, MD00, MK14, MA09, MP11, MS08a, ML91, MZS10, Mar99b, MM14, MR94, MM02b, MVG14, Mic03, MOU14, MD06, MdD04, Mou03, MWYZ18, Mul99, Nak05, NY13, Nke07, NS16, PZMX16, Pic05, Pir09, QMLC15, Ric91, Ric94, RVD00, Ris05, RBT15, RU07, SSZ16, SS00, SG16, SD11, SD13b, SH10, SQ17, SWX00, SG16, SG07, SDK15, SL15, SMA01, Str98b, SH91, SLZ10, Sn04, SGN06, SGN08, TLP18a, TLP18b, TN16, Tan93, TYKK01b, Tol04, TH09, TK15, Tro96, TM04.

finite [TM05, TMM15, Ven15, VMS07, WL09b, Wan17b, WCSQ18, WL18, Won08, XL09b, YLL09, YS09, YY13, YBL13, YSL14, Yi12, Zeg97, ZL17, Zha09, ZCZ15, Zhe07, ZZ17, ZZZ17, Zou10, van95, BS14a, BGP11].

finite-conductivity [CML05].

finite-difference [AAI+93, CCG13, CGA93, CMCGTR02, DS15, HZ09, KTO5, MD010, Mic03, MdD04, RU07, SDK15, SMA01].

finite-dimensional [KF97].

finite-element [GGRN17, Mul99, Nak05].

finite-length [SH91].

finite-part [Ioa89].

finite-type [Mar99b].

finite-volume [BP97, DT10, Kal96, RV00, Tol04]. First [HS17, HvdHV10, ACMR06, AL17, BC01, Boy07, Bru97, BMK97a, CHH15, CS09, HP85, HLL09, IT16, JJ94, KLY05, KW10, Moo04, PCR17, gTpM07, Wu09, Xu16, ZL18b].

first-kind [ZL18b].

first-order [AL17, HPS5, JJ94, KLY05, PCR17, gTpM07].

Fisher [BFd007, LZ18, JWWJ17].

fit [Mon09].

Fitted [TMS87, AW03, AHS03, CDIP17, FW08, GS94, HS09a, Hoa15, NS16, Pat00, VV05, VV07, VV09, YW08].

fitting [AN15, KDAK13, PS02, PS03].

five [IMM04, MI03].

fixed [Gil91, HS95, RV05b, SL08, Tow16, Wai98, WYP12, YP18a, YP18b].

fixed-point [WYP12, YP18a, YP18b].

flame [RAS99, RSL89, Sou91].

flat [Nak05].

flexible [HP15, LDIW16].

Floater [CHS17].

floating [Ske99].

floating-point [Ske99].

flocculated [BCCS05].

flood [CCM17].

Flow [BW86, PP00, PGM86, AH09, ASZ15, AKT97, BMDMG12, BFS17, BJ00, BL08, Cai15, CML05, CTRU15, DZ12a, DM09a, Duf90, ER07, EJS11, Ew91, EWW99, FL01a, FLL11, GM08, GMZ08, GM10, Gar92, GHK16, Gt91, GOGF03, GJ03, HJ09, HCW16, HST14, KHA12, KSM16, KZ91, K19, LTC03, LC02, LMS08, MD00, MM07, Min04, Mou03, Obe15, PT09, PK91, PCR17, RR00, RV00, RZ15, RBC02, Scho16a, SQ17, SG16, SZE+92, Shy86, Sid02, SY08, SH91, SW05, TYKK01a, TYKK01b, TOCV02, TOC03, VO00a, Zan91, ZO09, ZYS17, ZQLK11, dB03, vHV01]. Flows [CF68, Mac86, hYK86, BL91, BC04b, BBL02, BS08, CIZ06, CHPV09, CCLT10, CHK99, Din93, DQ02, DdCVR03, DHI15, EH07a, EAS12, EL01, Fa00, FPRA09, GP00, Gla93, Gla94, HH10b, JK07, KMR09, K19, Ke17, KW98, Kop89, KDK17, Kwe00, LDIW16, LT00, LR87, LP97, Mut15, NC16, PBC08, QW04, RC09, TL018b, TER03, TKNN1, Tur86, XLK07].

Flowsheet [Bie87].

Fluid [CF86, Mac86, hYK86, BL91, BC04b, BBL02, BS08, CIZ06, CHPV09, CCLT10, CHK99, Din93, DQ02, DdCVR03, DHI15, EH07a, EAS12, EL01, Fa00, FPRA09, GP00, Gla93, Gla94, HH10b, JK07, KMR09, K19, Ke17, KW98, Kop89, KDK17, Kwe00, LDIW16, LT00, LR87, LP97, Mut15, NC16, PBC08, QW04, RC09, TL018b, TER03, TKNN1, Tur86, XLK07].

fluid-dynamics [dPT96].

fluid-particle [Tow16].

fluid-structure [Bie87].
Flux-based [FM07]. flux-extrapolation [Nor99]. flux-splitting [RA03]. fly [BMr+17a]. Fok [NT16]. Fokas [AC16, MPSS16]. Fokker [Van92, jWyG08]. following [SZ99]. FOM [JMS99, WPS18]. force [Kie15]. force-gradient [Kie15]. forced [CFC03, LBCN00]. forces [Sch16a]. Forchheimer [CD13, Kie17]. forcing [HW04, Zen93]. forecast [WCGW95]. forecasting [RW87]. Foreword [FJ92, IN01, Vic87a]. form [Boy06, EK97, JBLC11, Kam00, MN03, PWS06, Ree03, Sim93]. Formal [CAAT16, Mur99a, Mur99b, WB90]. forms [BS14a, Beg00, CJ90, Eir95, Sal03, SST09, Zan91]. formula [DhW09, Kza99, SHA12, Ske89a, WC02, Zla85b, Zup04]. formulæ [BZ93, Ber86, CV95, Dia95, WX06]. formulas [BRS16, BDMGV05, BGVHN10, CCGBV08, Chr01, DGV00, DBCBPP10, DIR13, GPHA16, Has08, HJ17, JKN94, KS09c, Kza92, Maj17a, SG96, Sid14, Ske89b, Xiu08]. formulation [AA87, AFs02, BC02, BK17, BRS05, BS96, BP95, GAT91, GP00, GS18, HP85, HH98, HL03, KKP07, KS02, Lh98, LZY90, MG00, MS08b, Med96, SLJ86, Wan05, Wen98, ZdB03, DM12]. formulations [LRS09, LLL08, SM13, WK00]. Fortran [GBDB97, TS06]. forward [Fre98, JM94, MI13]. found [Duf90]. four [BLY17, CPD+05, WBCK02]. four-center [CPD+05]. four-field [BLY17]. four-stage [WBCK02]. Fourier [ST14b, BH96, CPOGO17, DM99b, FFQ09, GANT02, Hm15, HM17, Lyo12, MM07, Moe95c, Nke07, RGL16, RO16, She00, WZL13, WMF17, YR09, ZO14]. Fourier-finite-element [Nke07]. Fourierization [SW07]. Fourth [BM06a, CHS01, EHO9, GX11, Lua17, YTO0, CES91, DHW09, DZ12b, Den15, DB08, yGqW2005, Kat89, KZ13, PZMX16, PGDB08, RZ18, Ven15, Wan07b, Wan17b, Wen98, WYP12, Zha14, BGH+15]. Fourth-order [BM06a, CHS01]. Fourth-order [EH09, GX11, Lua17, CES91, DZ12b, Den15, DB08, yGqW2005, Kat89, KZ13, PGDB08, RZ18, Ven15, Wan07b, Wan17b, WYP12, Zha14]. Fowler [LO03]. fractal [DdCV03]. fraction [AR93, CJM88, CV88]. Fractional [BJ03, CD18, ROB17, AHO16, APJ10, BFS17, BZ17a, BCG13, BJ01, BJ06, BCDP17, CC18, CD17, CDW13, CJS98, CP03b, DA16, DA17, DA18a, ESEK10, HJ17, JL17, KBS11, LFG17, LH17, LR18a, LR18b, LXY15, LKY17, LCLW17, MCS16, MC17, MT06, MK17, NLS18, PTV16, PH17, PJB04, PAJ12, RZ18, SKBAS08, SY18, SJ18, SS17, SA18, SL15, SW11, SW17, VA05, WZ13, WH18, WW14, Wu09, YL13, YJZ18, YDWW17, ZL17, ZQY18, ZZ17, ZXW17]. Fractional-order [ROB17]. fractional-step [ZQY18]. fractions [Bre88, CJV88, GMF88, Gil91, Hau88, Jac88, JT88, Len88, Lev91b, Lev91a, Lor10, Njå88, Waa88]. frame [IPL02, Jia12, PL03]. frames [JP17]. framework [BGO13, DSZ15b, DSZ15a, GR02, KS07, SB03]. frameworks [MM16]. Fredholm [BES18, BMGGO12, CHLX07, Fero99, JRW06, Kan89, KX91, KPR12b, LNZ12, Mie89, PT11, ROB17, VBD93, Vas17, XL09a]. free [AMH03, BSV09, BM06a, CDV00, DA16, DA18b, DN13, EH06, FPRA09, FJH+01, Fuj99, HZ12, HILS16, Ito17, Lii16, LMSW17, LR87, LYO199, MN14, Mat08, MP15, MWYZ18, NW09, Pas91, SW95b, Ver93, XLK07, ZG92b, ZO09]. freedom [Mau08]. frequency [HM86, KKN+17, KCW16, LT07, LCQ12, Par14, PG02, Pul05, WWX13]. friction [BBD18, Gwi09, KPR06, Por17, QMLC15, QAMX17]. frictionless [Ahn07]. friendly [TS06]. Frobenius [Gao02, MdR05]. frog [TH18]. front
[Gro94, SW86]. **Fronts** [SM13]. **Full** [Spi00, Ben02, Mit97, SH10, XZZL15]. **Full-FAS** [Spi00]. **full-Newton** [XZZL15]. **Fully** [CPR93, ER07, FID18a, Gon06, Wan17a, AGJ12, ALM04, BKM13, CL01b, DS17, DL16, Guo15, Kni94, Kni95, Lan95, LR18b, Now96, PD01, zSW06, jWjJ17, ZQY18, vSK97]. **fully-coupled** [AGJ12]. **Fully-geometric** [Wan17a]. **Function** [MRF00, AQJ18, Boy15, BRZ17, BP95, GS17, HSS07, JD09, KKT16, KAS17, LN08, Man96, NRZR12, Pré10, RS09, Sar05, SB18, SJ11, uIVS13, SS09, Sus10, Sza94, Ver93, WL09c]. **fully-coupled** [AGJ12]. **Functionally** [HS09a, 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, GBF99, Gil10, GK93, GP04, GPP04, GP17, GGS04, yGyZ07, GS09, HZ96, Iva07, Jae88, Jad94, JZ10, JM05, Jun07, JGK11, KCS07, Kaa92, DLM16, Luo18, Mac92, MD06, MCS16, Mar94, NLS18, Nov03, PGS10, Pas91, ROB17, Sad96, Sad97, Sch08a, SW09b, SS10, TLSS09, Uty08, WZ14, War92, XB14, ZT06, Zha07, ZHL03]. **G** [BTBV87]. **Galerkin** [ADSS17, BRRS97, Cas06, DM09a, MS13, ABJ12, AW14, AD08, An16, ASZ18, Ant13, AFS11, AD18b, ÁMS17, AV00, Bac14, Bac16, Bac17a, Bac17b, Bac17c, Bac18, BBV13, Bec18, BVT14, BNV06, BTP96, Bus06, CGJ16, CK98, CCK08, Cu195, DA16, DA18b, DGN12, DN13, DB08, DMR18, DL16, EAS12, FD16, Fat10, Fra16, FJ95, Fre98, GM18, GHH09, GT93a, GJV08, HLMP09, HMP14, HJL18, HST14, JRT90, Kan16, KDT17, KN03, KPY15, KSMMM16, KWLK00, KXR*04, KQ13a, KQ13b, Kwa09, LH11, LPT94, LHS00, LH02, Li11, LZ14, Li16, LHW17, LT10, LS07b, LYK17, LN12, LMW07, MQ10, Mai06, MWYZ18, Mus11, Por17, PCRR17, RP17, Sac93, SZ09, SW07, wSJP15, SZL18, SW85, SvdVvD06, SW05, Ten15, mWyG00, Won08, XF06, YZ17, ZOZ09, ZY14, ZZ17]. **Galerkin** [ZZC*18, ZX14, vR04, vdVS08]. **Galerkin-characteristic** [EAS12]. **Galerkin-finite** [DL16]. **Galerkin-multigrid** [ZH94]. **Fundamental** [Lyn92, AMV17, GJR03, KJJL12, LLHC17]. **furnace** [BGM+09]. **Further** [CH95b, NN13, ABFV09]. **Future** [Bie87, Son00]. **Fuzzy** [PGC01]. **FVEG** [LMWZ07].
Dav98, DS07a, EG88, FW07, Fdi97b, FS05, Gan96, GM16, GP17, HH10a, HZ02, HCX03, Leo10b, Li05, MAH18, Mur98, SA90, Sch12, Wal00b, XFLC00, YH00, Zha00, ZT06.

Generalisations [RS08a]. generalised [EC07].

generation [BKR13, BHHS10, BC97b, CGA96].

Generalizations [Bre91, BKP15].

Generalized [De 88, GM87, GSW09, IJ17a, LFS15, Mil17, SZ17, SS16, TCCW89, TYKK01b, BNH01, Bis11, BDKM92, BFdO07, BRBM08, But09, Cao03, CCL13, Che96, CCLT10, CEW00, DMH18, DSK12, DBBH14, DSM11, FH04, yGyZ07, GR02, Har93, IM98, JP93, KDAK13, KTS03, LHH96, Li12, LO03, Liu02, Luo18, MDRR11, MCS16, MS13, NR14, PV93, PCA10, Pou00, RSY12, SW95d, Sch99, Spi09, Spi10, YC00].

generate [CEW00]. Generated [DRC85, CGCMTR02, FKA+13, GRGJ02, GPP04, War92, YXB95]. generating [CHR03, Ver93].

Generation [Bak86, Eis86, QM03, Art03, AD04, BBV13, Bak95, BSFDM02, BOa0a, Boh03, CM02, CM04, DH94, EM05a, EM05b, MI03, MCE+09, PR12, SFJ+05, SYG+05, Sou00, Spi99, Spi00, YC00]. generator [WE99]. generators [GP03]. generic [Eir99].

genus [LWCT07]. geodesic [ZML+12].

Geological [SR88b]. Geometric [CR04, Fra04b, GQ08, MQ03, Maa95a, VV07, AH09, BCR01, BG02b, CLMSS98, DF92, GGLR09, GGR97, OSt02, Wn17a, Xu13].

Geometrical [BCM04]. geometrically [LA12, SS99]. geometries [Fun94, Kar89, Kwa09, She00]. Geometry [SYG+05, FsDB02, GRCJ02, MD00, MMP02b]. Geophysical [Per88, NC16].

geostrophic [WZL13]. Germany [vdHSW98]. Gersgorin [CP10]. GHDMR [TD09]. ghost [CFX08, LK07, CFXZ06].

Gibbs [Jun07]. Gilbert [BS06]. Ginzburg [LHW17]. given [CP07, Gwi09, Jac88].

Global [FJ95, JMS99, LY01, LH02, PGP03, SW09a, SXP09, BRRS15, Car94, CN11, EAV16, BSFB97, HdsRj17, JEG10, KP18, LS10, LMS08, WKM04, WK12, dyv95a]. globally [FSB97]. Globally [HLKZ06, AB07, BF95, Is02e, KKN+13, KKN+17, NMKE13, SG04].

glow [FMSV07].

Gluclus [MLG06].

glucone-insulin [MLG06]. GMRES [AB07, Cao97, DB97, Du11, GL93, JMS99, KYC03, Men14, Mor05, PKSB10, Tou97, WZl6, dyv95a, van95]. GMRES-like [van95].

goal [AS05]. goal-oriented [AS05].

Godunov [KMR09, LE94, Mat05, SW86].

Godunov-inverse [Mat05].

Goldstein [LLY11].

Good [Zup03, EZ03, ZWH+17].

Gordon [Bac17c, CH99, DC18b, HZ09, Lyn99, SLW17]. governed [LY03, XL11, YC16].

GP [GPP04].

GPBiCG [AS13, Fuj02].

G PST [BPP03].

grad [BVV09, MV18].

grade [Wu09].

graded [BLM17a, DL06, Mai09, YZ17, Zar17].

gradient [BSGU94, BGH08, CHSS01, CR05, CCL04, DW00, DW15, EAS12, EGH01, GM08, GR02, HBY99, Hs97, Kie15, KLS13, Pf08, San03, SW95d, Yu08, YLS+09, vEds04].

gradient-boundary [BGH08].

gradents [AGJ04, Ren13, SB18].

Gradual [FT06].

Grail [Bur93b].

granular [BBL02, TSFB01].

Graph [BT94, Gar03, GM17].

Graphics [CB99, Zar99].

Graphs [BDFK95, DEO6, 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, Art03, AD04, ACM91, BSFD02, BV94, Boh03, Bor97, BB10, CM02, CL10, CM04, CMS06, DH94, EM05a, EM05b,
grid-based [LYO99]. grid-orientation [ACM91].

Grids [SM85, AG05a, ASCM02, ASC03, APJ09, Bac17c, BKP09, BM00, BCE04, BS94b, BS96a, BTDV10, CGCMTR02, Chu03, DF11, DT10, DGD03, DSSC13, EL94, FD16, FSS88b, Fre04, GGLR09, HP97, HZ02, HS97, Imo00, JTB15, Kal96, KWLK00, KTS03, Koz94, KKE16, KQ13b, Lin01, MR94, MS90, Mit97, MKS12, PRGO16, PC00, RGL16, Rus95, Ste05b, SN04, SGN06, Tho85, Tol04, TJD2, VLO8, Vic87b, VT91, Zha09, ZML+12, dAF17, dVA02, iV09].

gridsize [Hol01].

ground [Bec02].

groundwater [DMQ02]. group [BK17].

groups [LP00, MA09, WGKS12, WC02].

growth [CL02a, CL02b, HZ96, JK17, LBLT13, RA17].

Guaranteed [ZCZ15]. guess [Boy07].

H [BrTBV87, BFP11, Hu98, Ree03, Zho18].

H-form [Ree03]. Haar [LS16]. Hadamard [AC10, DO17a, KS10, WWL08].

Hagen [MM07]. Hahn [BMPR15].

Hakopian [SL17]. half [Abr93, AHO16, BH93, BT00, GHKM09, IV16, Ost93]. half-axis [GHKM09]. half-block [BT00].

half-explicit [BH93, Ost93]. half-line [AHO16]. half-space [IV16]. half-spaces [Abr93]. Halley [EH07b, KY17]. Halton [Sch08b]. Hamburger [Nja88].

Hamilton [BGS06, BL06, CGT13, CXNF14, CFS13, CL01a, CY05, FLS94, For11, LHS00, RF16, SM13, Sto03, YXZ18].

Hamiltonian [ABK12, ABD16, BL05, BF99, BG1W18, BD17, CM00, CS01, CBD16, Eir99, GBDB97, HL99, HHW18, PA05, Ror06, SG17].

Hammerstein [EH09, Han93, KKK92, KNN03]. hand [AED12, EJS04].

Harmonic [FJ09, GH07, Har98, Jia02].

Harvard [RW87]. having [CL88].

Heat [erà12, BOP00, BPT15, CH01, DS07]. EVO04, EVO06, FFQ09, Go86, Guo96, HO16, Kim94, Kim95, LRS09, Li08, MPTT17, OMP98, OKS10, PM03, PB10, RS00, dVA02].

Helmholtz/Schrödinger [BOEP00].

Hemodynamics [DZ12a, RDH+12].

Hermann [Bru97].

Hermite [Bar12, Boy15, CXNF14, CCS17b, CP01, Iva07, LHH94, LHH96, LHH08, Ltn018, MST07, NBNTGV11, ZL11a, ZL11b, ZHL08].

Hermitian [GGMP88, LVIP14, Nak12, Pet92].

Hessenberg [GS08, ZP98].

Hessian [MKH16].

Hessian-based [MKH16].

Heston [GGO13].

Heterogeneity [Chn17].

Heterogeneous [AK09, Ben17, CM09].

DN13, IJ14, LP01, MPSS16, OL18, RN04, SS94b, WCW14, XZL07].

Heterovalent [vHA98].

Hexahedral [BS97a, Tob14, Ush18].

Hidden [RR14].

Hierarchical [AB15, AD04, CM09, CZA90, FSB97, Ha97].

Hidden [Klee97, Klee97, W00, NB94, Zou10].

BLS94, CLT97, Che96, HE08, GV18, Gar96, GS92, KJ99, Ste97, Zou11, GMS12].

Hierarchy [Che88].

Higdon [BG11a, Dea11].

High [AES15, AEMX17, B10a01, BCR01, BTR05, Bru07, BB96, CXNF14, CM01, DCP17, CP05b, CRS05, CRU15, CB99, DRC85, DS15, Elg17, ER18, EP15, Fot00, GMG04, GLPW09, Hag15].

Hand [AED12, EJS04].

Harmonic [FJ09, GH07, Har98, Jia02].

Harvard [RW87]. having [CL88].

Heat [erà12, BOP00, BPT15, CH01, DS07]. EVO04, EVO06, FFQ09, Go86, Guo96, HO16, Kim94, Kim95, LRS09, Li08, MPTT17, OMP98, OKS10, PM03, PB10, RS00, dVA02].

Helmholtz/Schrödinger [BOEP00].

Hemodynamics [DZ12a, RDH+12].

Hermann [Bru97].

Hermite [Bar12, Boy15, CXNF14, CCS17b, CP01, Iva07, LHH94, LHH96, LHH08, Ltn018, MST07, NBNTGV11, ZL11a, ZL11b, ZHL08].

Hermitian [GGMP88, LVIP14, Nak12, Pet92].

Hessenberg [GS08, ZP98].

Hessian [MKH16].

Hessian-based [MKH16].

Heston [GGO13].

Heterogeneity [Chn17].

Heterogeneous [AK09, Ben17, CM09].

DN13, IJ14, LP01, MPSS16, OL18, RN04, SS94b, WCW14, XZL07].

Heterovalent [vHA98].

Hexahedral [BS97a, Tob14, Ush18].

Hidden [RR14].

Hierarchical [AB15, AD04, CM09, CZA90, FSB97, Ha97].

Hidden [Klee97, Klee97, W00, NB94, Zou10].

BLS94, CLT97, Che96, HE08, GV18, Gar96, GS92, KJ99, Ste97, Zou11, GMS12].

Hierarchy [Che88].

Higdon [BG11a, Dea11].

High [AES15, AEMX17, B10a01, BCR01, BTR05, Bru07, BB96, CXNF14, CM01, DCP17, CP05b, CRS05, CRU15, CB99, DRC85, DS15, Elg17, ER18, EP15, Fot00, GMG04, GLPW09, Hag15].
HEG16, KL07, MPTT17, MK99, NW09, Pir09, RR00, SST12, SB14, SZE+92, TDC13, TD09, Ver96a, Alc11, BMGM12, BG11a, BOEP00, BMR+17a, BM01, BVV09, BJ11, BPTT15, BDM03, BJ98, CGA93, CS08, CD00, CN15, CN17, EW97, FJ17, FHM+02, GLW14, GML00, GHF00, HOEC86, HR97, INR01, JM17, JCL18, Jia12, KS00, KK99b, Kwe01, LCVG01, Lee94, LX08, LYF17, LR18b, MS91, ML91, MD96, NT16, PSB91, PBC08, Pic05, SQ17, SYG+05, SDK15, Som93, STS00, Str98b, Sub04, TX18, TY00, Var92, VV02, Var92, WKM04, WC14, YXZ18, van98, vdHMdS99].

High-accuracy [DS15]. high-index [San02]. high-level [PSB91]. High-order [AES15, AEMX17, BCR01, BT95, Bru07, CM13, CRU15, Elg17, ER18, EP15, GLPW09, HEG16, KL07, MPTT17, SST12, SB14, SZE+92, Ver96a, BG11a, BDM03, CGA93, GLW14, GHF00, HOEC86, INR01, JCL18, Jia12, KK99b, Lee94, LR18b, NT16, San02, SDK15, Som93, STS00, Str98b, TX18, TY00, VV02, Var92, WKM04, WC14, YXZ18, Zha96, van98, vdHMdS99].

High-performance [CB99]. high-precision [Var92, vdHMdS99]. High-resolution [CXNF14, Hag15, Pir09]. Higher [Aca12, Agu15, BM05, EES05, Gar96, Joh05, NK11, Vej10, WL09b, ZX14, Am93, BKR13, BN06, BC05, BD11, CZ97, CJX11, ELCWS98, ECB07, FM11, GJ00, HvdHV10, HST14, KOS+12, LMWZ10, MS08a, Mat09, Nic86, RA03, SM93, SS13b, Tem15, Tob14, WB03, Coy12]. higher-index [ECB07].

Higher-order [Agu15, Gar96, Vej10, WL09b, BKR13, MS08a, RA03, SM93, Tem15, WB03]. Highly [Ben96, Fac03, IRC12, IJ17b, IP17, LA09, AK09, BBV13, CC04b, Che12a, DIJ12, DYX09, Den93, Has13, Ise02, LI01a, LWWX10, Ma17a, RCGM98]. highly-oscillatory [Ise02]. Hilbert [AMCM09, BLM17a, DO17a, DO17b, JI94].


homotopies [BZ17b]. Homotopy [YCY12, LW18b, SL08]. HOPS [NT16]. hopscotch [BtTBV87, Duf90, TV87]. hoRA [GT18]. horizons [MVG14]. Horizontal [CMP06, CML05, GRGJ02, QR03]. Hornman [CHS17]. HOTV [San18]. hp [ADGM08, BF15, BS14b, BH10, BD11, Bür13, Dol14, DMR18, DJ08, DH07, DM10, KPY15, KWL00, KFO02, KR10, MS05, Moo04, PZMX16, SA00]. hp-adaptive [BS14b, Bür13, Dol14]. hp-BEM [BF15]. hp-estimates [KPY15]. hp-refinement [Moo04]. hp-version [KFO02]. HSS [BY09]. HSS-based [BY09]. Hull [GGO13]. hundred [Bru97]. Hybrid [AC98, CHLX07, KPR06, PH91, Rha99, AP16, AA04, AD04, BDMG12, Bae96, Baz03, BCSH16, CXZ17, Dal00, De 06, FHK05, Fuj02, GF990, Hua09, Kal96, KtD13, KWL00, LY01, LH02, LK14, LS99b, Nak05, Ous11, PH15, RY13, SA00, sJS05, SV95, TYJ11, Ton97, VB07, WM08, ZLG15, ZGDL17]. hydraulics [HS08].

hydro [LY16]. hydrodynamic [BGM+09, DSW96, JT02, JT06b].

hydrodynamics [CDD00, LL06, Qui96, Rl02, SKR+16]. hydrogen [CPD+05]. hydrologic [RvdCVR02]. Hyperbolic [De 88, AM09, AW14, BJ02, BF17, BW95].
Ber04, Ber05, BTP96, BM12b, Bor16, BGP11, CJ18, CRU15, Chi93, CL09, Dav92, DGRS09, FE93, FJS99, GQ89, Gas92, GDS+15, GJ17, GHF00, HWCF15, IT16, JJ94, JNPC03, KPY15, Kop86, KXR04, KR12, KW10, MS08a, NB01, NFAE03, PGDB08, RZ00, Ric91, RMK09, Sea09, uIVS13, Sof17, Str98b, gTpM07, TJ12, TM15, Vic87b, Wal00b, XF06.

hyperbolic-heat [RMK09].

hyperbolic-parabolic [FJS99].

Hyperbolicity [LY16].

hypercomplex [AMT17].

hypercube [CSS87, De93b, LS86].

hypergeometric [AR93, CJM88, DIR13].

hyperparameter [LV12].

hyperplane [KLSW10].

hyperplane-constrained [KLSW10].

hyperplanes [Mon09].

hypersingular [AFF+15, BVB09, BVB10, BVRB14, BRBB18, Cai09, Mai09, Sid14].

hypersonic [KH91].

hyperspectral [Lo06].

hypoacusia [BF09].

hysteresis [LR01].

IA [AC96].

IBVP [Str98b].

ice [CDV00].

Iced [KTS03].

ICOSAHOM [Ano00a].

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

idealization [SW94].

identical [BASC17].

Identification

[ABP95, BBPR05, CAD03, ND85, SW17, VSG17, AGKK94, BBV05, BBCS05, BR94, Die15, HM17, HLI16, HK09, KJL12, KK06, LDP+14, MCM12, SM08].

identify [WZW13].

identifying [HKP14, HM15].

identities [AR93].

identity [Bre91].

II [BDDV12, BDMGVO05, BH12b, DO98, GHH09, GPHAM12, KQ13b, LH02, LFS15, Mar03, MSP10, Mur99b, Shy86, Shy91b, Tsa92].

IIA [GPHA16].

III [DG12, VC10].

ill [CRS05, EG88, Ki15, Luc95, MRH14, Sam94, XXQ17].

ill-posed [CRS05, EG88, Ki15, Luc95, MRH14, Sam94, XXQ17].

ILU [Zha00].

IMACS [CFTW08, MH89].

Image

[MMKN17, BCM04, BS10, CP06, CF13a, CH87, DE16, KM95, LK14, QM03, Sae14, SC08, SMA01, SL17, WYP12, ZC91].

image-based [QM03].

images [GOGF03, TSB10].

imaging [CG03, HLR18, KNP16, KRBK16, Lo06, Par14].

imbedded [CST97].

IMEX [CCS17a, JM17, LT12, ST14a, SKW17, SW18].

immersed [AL09, JK14, KV07, Li98, SWFK13].

immiscible [Nü09].

immobile [JL17].

immune [BR94].

impact [Ahn07].

impacts [Aca12].

implementable [BC98b].

Implementation

[AH15, CO09, Jac02, LPT94, Pot85, AQ18, Ale03, BD55, BF15, BS92, BS08, BMT93, BT98, BM02, BWE95, CLMSS98, CCP17, CK06, Coy12, DVI93, FV99, GV18, GP130, HS96, IM98, LT07, MP97, OMP98, PGS10, PRST02, PWS06, SW94, Uty08, WMF17, Zha01].

implementation [GKT10].

implementations [DL06, PV93].

Implementing [HP91, Ney95].

Implicit

[AS04, ARS97, CR05, DGM18, FV01, GM16, Gje07, GFH00, HJ02, Kau93, Kau95, KW98, OK98, Pul86, SWE05, TB01, WBCK02, ABH14, AH17, ACM08, ACM91, BT97a, BC08a, Bos09, BSvdV99, BJ11, Bout02, BN03, BCJP18, Bru93, BM02, BM06b, BJ06, But93, BJ96, BC97b, BJ98, BC00b, BW03, BS93, CdFD01, CG05, CS04, Cha96, CL09, CDP12, CGGM17, DR09a, DK11, DII15, ELCSW08, ER07, FD16, FE93, FS08, FH97, FMU15, FL01b, GX11, GLP09, GPMR95, GPMR03, GPHA06, Guo05, Guo01, HH10a, IM02, LJ17b, JLV95, JR00, JKW12, KKT16, KMG09, Kni94, Kni95, KKW00, KSOc9, Lab08, Lay08, LL15, LXX8, LMA18, Min04, Pan07, Phi87, PWS06, RZ00, San02, SH09, SMEN04, Sch98, SZ97, Sza94].

implicit [TYJ1], TZA13, CDV98, VBH96, WC11, WSW96, WdG92, YT00, in 02, vSC92, vS93, vSK97, vvdV97, vdHS01].

Implicit-Explicit [DG18, GM16, Bos09, LJ17b, KKT16, VBH96].
Implicitly [Bru92, Att97, HC01, Jia02, KBG04].

Importance [SA05], imposed [HJ09].

Imposing [ZW87].

Improved [CX08, FPRA09, Pot85, Ver06, AC15, BZ17a, BRBM08, CL07, GL93, LWXX10, MZZ17].

Improvements [MS86, Gil10].

Improved [CX08, FPRA09, Pot85, Ver06, AC15, BZ17a, BRBM08, CL07, GL93, LWXX10, MZZ17].

Impression [jWqW09, hYqW12].

Improved [ZW87].

Improved [ZW87].

Impulse [CCOS2], impulses [LFL14].

Impulsively [TOCV02].

Incidence [WN12].

Including [BBS11, BFH09, Cao98b].

Inclusion [CP94, PH91].

Inclusions [Par14].

Incomplete [CCP04].

Incomplete-data [RV05b].

Incompressible [BR505, BC01, BC04b, BRL02, BLS08, CAi15, CH07, CHX13, CSXL14, DN13, FD16, GM08, GHIK16, GAT91, GUO96, HSS04, HH10b, HST14, KSSMM16, KLY05, KDK17, LR00, MIN04, MOU03, QAMX17, RK91, SQ17, SHE96, TH18, TLYV2, VG04, ZAN91, ZOZ09, ZH14].

Increases [GT18, RAS99].

Increasing [DDNZ18, GMMGF02, WAl90].

Incremental [CT93, Gar03, GMM07, Gar96, MM90c, Pou00, PB10, SW13, CHE96].

Indefinite [CK98, FL05, LMV17, LW18a, SS99, SHA98].

Independent [CH95b, KP18].

Index [An000b, Ana00c, Ana00d, Ana00e, Ana01a, Ana01b, Ana01c, Ana01d, Ana02a, Ana02b, Ana02c, Ana02d, Ana02f, Ana03a, Ana03b, Ana03c, Ana03d, Ana04c, Ana04a, Ana04b, Ana04i, Ana05a, Ana05b, DSL18, AN16, AN92, AFS00, Arn93, AC96, CZ97, CCM02, ECL07, HGP11, HMT03a, HMTo3b, JAY95, KKR15, MUR99b, OST93, RA05, SAN02, SCh02, 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 [DC002, DDP01, KCJP01, SSV10, WT17, XLK07, YT03].

Induction [BGM99].

Industries [BKP14, LDP14].

iNEOS [GGMNP02].

Inequalities [DR01, AK95, BNV06, BHR05, DSM11, LLY11, MMP09, WH13, ZH14].

Inequality [CXZ14, DHS05, Gwi09, MG00].

Inequivalent [KS10].

Inertia [For02, AC18].

Inertia-controlling [For02].

Inexact [HFL11, BHSW16, HM105, PKSB10, SL09, WZ16, ZH17, ZP12].

Inexact-Newton [WZ16].

Inf-sup [Che16].

Infinity [By01].

Inflow [MOU14].

Inflow-implicit [MOU14].

Inflow-implicit/outflow-explicit [MOU14].

Influence [Win92, AQ00, BP95, SS02].

Information [KNP16, SA05].

Infrared [SS16].

Ingersoll [AHT17, WMC09].

Inhibition [GSA15a].

Inhomogeneous [Gus88, CGN03, DE06, EVO06, KUR98, OS12, QL16, WJ15].

Initial [BI16, De 88, TOCV02, AB15, AMP03, AMCR17, AT93, Bac17a, BAC17b, BY00, BUR93a, BTO00, BCS90, CHA98, CL95, EHR08, EHM01, FW08, FD97, FER93, GGM95, GH92, GPY09, HIG93a, JR02, JCSR03, KHM94, KOR18, KKW93, LW17, LS07a, LT93, LOM98, M03, MS90, NAP16, RCG98, SAG86, SWE05, XFLC00, JZ918].

Initial-boundary [GH92, LOM98, MS90].

Initial-Value [De 88, BAC17a, BAC17b].

Initial-boundary [FER93].

Initialization [HdSRI17].

Inner [GCHR06].

Input [Har10].

Instabilities [CUL95].

Instability [CJV88, DG96, LYN99, WT17].

Instance [KSP10].

Instantaneous [CHK99].

Insulin [ML06].

Integer [KS91].

Integral
[BBLT15, CP09, PGM86, AL95, ADR17, AM10a, AAD14, AD18a, AD18b, AFF+15, BC02, BES18, BLM17a, BVB10, BVRB14, BRBB18, BGIW18, Bru97, BMM97b, Cah92, Cai90, CHX07, CCP17, CDP17, CJ18, CL14, CHH15, CS09, Chi12, Chr01, 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, Kan99, KX91, KO08, Kei85, KPR12b, KR18, LRS09, Lau17b, Li11, LD97, LNZ12, LRE04, Mai09, Maj14, MO17, Man96, Man97, MV17, Mic98, MD10, Ngu15, NT16, PR89, PA18, Rab94, RJ92, SST12, SV00, SBV17, SS16, SW85, TMD92, Tuo99, TLSS09, WN12, WQ17, WWLS08, XL09a, ZL18b, dAF17, de 93a].

Integral [CLR11, CDP12]. integral-differential [Chi12]. integrals [AA05, BCU00, BVB09, CP05, Che12a, CEW00, Eva94, EW97, EC07, Fat10, Fat12, Har90, Has09, Has13, Ioa89, Jad94, KM17, LS16, LWX10, Maj17a, Mot17, PCA10, Sl01a, Sau00, Sid14, ZPT92].

Integrated [FM95, CM02, SK91]. integrating [AMCR17, FMMK01]. Integration [TM04, ABH14, ALMM01, AD08, ALM04, AD01a, AAD14, AM16b, BCF+13, BtTBV87, BRBM08, BBKS07, BF95, But93, BJB98, CMP15, CH95a, CGP15, CL85, CBD16, CR04, DhW09, Den93, FS15, FW07, Fra04a, Fra04b, GMG04, GPH16, GVSL96, GML00, GMGF02, GKA17, GG08, HS02, Ha97, HOS99, HMdV03, Hig96, HMT03a, HMT03b, HLR01, JV95, JR00, KGR08, KNT13, Leo10a, LD10, Log04, LMG02, DLM16, DE18, MF99, MC17, MQ03, SSV97, SA12a, Sim93, Ske99, Sol15, SvdHK04, SCT05, TMD92, TGB08, VV07, WK02, Xiu08, tV87].

integrator [BCGI13, ELLE02, Lei02, LZ18, Lub04, SS94a, TN16, WE99]. integrators [Ale03, BF99, BDF89, Bla01, BM06a, BP12b, CO09, CLMSS98, CZ97, CY98, EK06, Lua17, MQ00, MPG+16, Mur99a, Mur99b, PWS98, SZ97, WWX13, YC13, ZZO16].

**integrity** [JP08a]. integro [AB88, ABF09, ADH00, AV00, BF92a, BT97a, BMMGG12, BGGG13, Bho12, BP92, BMM97a, CZ12, CP03b, DLPV17, EH97, FID18a, Gan96, GS99a, HM87, HZBM05, JRW06, KPY15, Kau95, MAH18, Mok17, PT11, PTV16, Pot97, ROB17, SS08a, SD13b, tSwQyG16, SCvdH92, Tan93, TX18, WC14, ZHO9, vS97].

**integro-differential** [AB88, ABF09, ADH00, AV00, BT97a, BMMGG12, BGGG13, Bho12, BP92, BMM97a, CZ12, CP03b, DLPV17, EH97, FID18a, Gan96, HM87, HZBM05, JRW06, KPY15, Kau95, MAH18, Mok17, PT11, PTV16, Pot97, ROB17, SS08a, SD13b, tSwQyG16, 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, RDH+12, Sal93, Sod91, Tow16, XLK07, tVbvdZdB08].

**interactions** [CBD16, Nes16].

**interactive** [GGNP02].

**interconnecting** [Pec09].

**interdomain** [Dor91].

**interest** [KGR08, Mar09].

**Interface** [PGM86, RTV00, ABG+15, CDS01, Chn17, Dav92, Dek17, GMS12, HLZ14, HSY18, JCL18, JV90, KV07, Li98, LMW210, LAH09, MAG13, NMB10, PAP17, PH15, RT02, SSV89, Sch16b, SJ11, SD09, SL18, WCQ18, ZC11].

**interfaces** [AEMX17, FL04, FMW05, FM07, FMU15, KS07].

**interfacial** [EAS12, ZQLK11].

**Intergrid** [Osw97, Kan04].

**Interior** [LO95, AD99, BSGU94, Bec18, BH97, Car09b, EB12, HC01, Ius97, Jia02, LHHR94, MOSW00, OQ15, QL15, XZZL15, YZ17, ZL18a, Zha07].

**interior-exterior** [EB12].

**interior-point** [AD99, XZZL15, Zha07].

**Interlacing**
Intermediate [Lai09, SHG86]. Internal [CRR03, NC16, Rus95, VS91].

International [CFTW08, LST07, MH89, FJ97].

interpolant [Ber86]. interpolants [BES18, BFK11, BS92, CHS17, LMS09, MST07, SST12, SST09, SST15].

interpolating [CJV88, DF92, KP03a, KP12a, BS92, CHS17, LMS09, MST07, SST12, SST09, SST15].

interpolating [CJV88, DF92, KP03a, KP12a, BS92, CHS17, LMS09, MST07, SST12, SST09, SST15].

interpolation [CJV88, DF92, KP03a, KP12a, BS92, CHS17, LMS09, MST07, SST12, SST09, SST15].

interpolations [CZS04].

interpolatory [DBCBPP10, Fid17, GS05, BDMGVO05].

interpretation [Bot97].

Interval [Sch87, Ben02, Boy15, DBCBPP10, DMH18, GPP04, KKP17, LZ13, Mar99a, MT94, Sch87, TD09, BO11]. intervals [BDMGVO05, Tar98]. intracellular [NRWF08].

Introducing [RA17].

Introduction [BKM05, CFS94, Had13, LP93, Sa91, But97, Wen10a].

invariance [BLP01].

Invariant [HL99, AB10b, BHJ06, BC97a, DB95, ERS00, GSR00, Mou95a, Tru00].

invariants [HXW15, Re99].

inversion [MPSS16].

Inverse [FOMC05, IT16, Per88, Tah96, YD07, BT99, BLY16, BG02b, CR05, CD18, CPOGO17, FBS09, Hab08, HILK13, Huc99, JM94, KJ12, KN16, KK17, KCW16, KRBK16, KX02, LLYL15, MG00, MN03, Mat05, MCM12, QIC12, QL15, ST09a, ST09b, SLJ11, pSLqJeY16, SJ18, TL07, TK05, WZ02, WL09c, WL16, WW14, XCS5, YJZ18, Zha00].

inverses [Kos02].

inverse [Che88, CZ90, DSK12, LFP04, Mou95c, Per99, VA05, vI87].

inverted [KKN+17].

invertible [CRS05].

investigation [Chr01, EZ03, Liu97, Pot97].

inviscid [Mou03, Tow16].

involved [Ano05f, Ano02e].

involution [Sei02].

involving [CFRA08, CF13c, MV18].

ion [PS00].

IPDG [BS14b].

IPDG-FEM [BS14b].

iPSC [BRSD91, de 93a], iPSC/2 [BRSD91].

iPSC-FEM [BRSD91].

irregular [AP09, BW95, DT10, DP90, EVA94, EW97, DLM16, PM14, Vic87b].

irrregularly [Sau00].

ISLIM [Lo06].

isogeometric [GV18, ADSS17].

isolines [BS00a].

isometric [Chu03, Gar95].

Isoparametric [JT06a, LL02].

isospectral [CIZ96, LP97].

Isothermal [DuCVR03].

Issue [BGHR12, BGH+15, CHM09, FFMZ13, ADG+16, CD95, DGCW17, HKNV16, KP07, LST07, SSV97].

issues [BF09, LMV17, Sid10].

Itô [DR09a, DR09b].

Italy [RI02].

iterate [ST09a].

Iterated [LNZ12, Bic16, BCC16, DBFV95, Buc17, CM07, CX08, DVV93, MZK05].

iterations [Bog12].

iteration [BY09, BLY16, CKB13, ELvdHS98, GRL01, Gug95, HL02b, Jia00, Mat05, ST09a, ST9b, SW95b, Sp95, WPL16, Zha01, vS93, vdSvdH95, Nee95].

iterations [BSvdV99, BBLT15, DB95, DDS15, EH09, JKN94, Lab99, Phi87].

Iterative [Bea04, CFTW08, GPMR95, JGK11, MP05, Mar03, SS13a, SL01b, TS10, dH95, AC98, AG12, AHR12, AG05b, Bog16, BRBB18, Cao98a, Cao98b, Cao1, CHO1, Cui04, DE16, DP90, Eij95, FL05, FLMR14, GH91, GM18, GK90, GT02, HvdHV10, HW97, IT07, JD09, Kin94, Kim95, KF97, Kin94, KYC03, KSSS16, Kru99, KCB02, KY17, LPT16, LZ13, LWD+09, LR00, MA09, MV93, Mar99a, Nak05, NH15, OMP98, Pca16, PM03, PT95, RV05b, RSK14, SW95a, ST11, SH02, SH10, SVB17, SW03, TK05, VMP03, Wan96, Wan07b, WL09b, WW07, WYP12, XQ17, YG95, YR92, YXB95, YH07, ZC91, vSK97].
iteratively [HSY18]. IVPs [BP12b, CM07, CX08, SS09, GM95, Jac96, JN02].

J [BTBV87]. Jacobi [BGS06, FLS94, For11, RF16, AM16a, BP02, BL06, CGT13, CXNF14, CFS13, CY05, DMR10, DB08, DBBH14, Gen10, yGqW5WC05, GH07, GSW09, HGPI1, LH500, MCS16, Mok17, SM13, Sti03, The17, hYqW12, YXZ18].

Jacobi-spherical [GH07].

Jacobi-weighted [AM16a].

Jacobian [CZ97, GHW01, KCW16, SY05, WGB99].

Jacobians [KCJP01].

Jameson [Ano87a].

January [BGHR12].

jet [AHS03, KHA12].

joint [DNW18].

joints [MMP02b].

Jordan [GY94].

jump [AG05a, BAD13, CF08, HFL13, JD09, KKT16, KP18, KS07, ST11, ST14a].

jump-diffusion [BAD13, KKT16, KP18, ST11, ST14a].

jumping [MII13].

jumps [AO05, KK11, LL15, MDD14, Moo04, RP17, VG10].

Kaas [AB17].

Kacanov [GMZ11, HJS97].

Kahan [SS94a].

Kalanov [KK17, TZ00].

Kantorovich [SL09].

Kantorovich-type [SL09].

KCE [VK17].

Kepler [Boy07].

Kernel [FRV11, BLM17a, BZ94b, CDD00, CDD+17, Che12a, Has13, KKK92, LD97, MP15, Sch08a, SKR+16, TMD92, Tan93, TY03, VSG17].

kernel-based [CDD+17, Sch08a].

kernels [CHLX07, CL14, KR18, LNZ12, Ma14, MO17, PT11].

kind [AD18a, BHR05, Bru97, CH15, CS09, Fe09, Gw09, HLL09, KX91, LNZ12, Man97, Mie89, SV00, WH13, XL09a, Xu16, ZL18b].

kinetic [Alc11, FJP17, KW95, RA03, VK17].

kinetics [DS02, PM05].

Kirchhoff [Wei18].

Klein [CH89, HZ09, Lyn99].

Kolgan [VCC12].

Kolgan-type [VCC12].

Kolmogorov [BFdO07, LZ18].

Koren [Hol01].

Korteweg [AM04, BDKM92, BR97, FWL18, Isk89].

Krein [KKN+13].

Kreiss [AK95].

Krylov [HH10b, Bai02, BBLT15, CM97, EAV16, Fac03, LS99a, MS99a, MN08, PR12, PWS98, RSY12, SW98, Sim10, SXX14, SS12, Wal95, WSP97, Wei95, Wen05, ZGL98].

Krylov-ROW [Wen05].

Krylov-subspace [BBLT15].

Kuntzmann [VS94].

Kuramoto [AS04, Mar93].

Kutta [AMCM08, BDP99, BC08a, BC01, But97, CH95b, CG13, CPR93, DM11b, GMM04, GML00, Hoa15, Lab98, LW17, LS05, Mur98, Pat98, Pat00, Som93, VDV98, VV02, vSC92, AH11, AM95a, AB17, Alb96, AMP03, AH17, ARS07, AKB92, BMQ16, BDGP96, BT97a, BJ05, BZ93, BV96, Be97, Ben96, BG02a, BS92, Bos09, Bot97, BJ11, Bru93, BJ03, BB96, BB98, But96, BS96b, BW96b, BC97b, BT97d, BC00b, BSW93, BS02, CMR94, CH95b, CI96, CdFN01, CG05, CGG13, CV95, Cas96, Cha96, CMMC02, CCS17a, CS03, Co09, CST97, CN11, DJ12, De 88, DVP93, DS05, DR09a, DR09b, Diaz95, DU95, Eir95, EH97, FS05, FS08, Fra04a, GCHR06, Gar10, GJ00, GPMR95, GPMPR03, GPHM12, HZ96, Hig96, Hig97, HR06, HS99a, HO05].

Kutta-like [PCR17, WX06].

L-BFGS [CD18].

L-curve [CGG02].

lacunary [Mat91].

lag [KV95, SS09].

lagged [MG18].

Lagoon [RI02, BDES12].

Lagrange
[OR18, ABG+15, BGG04, BNV06, BCG113, CN17, HLZ06, LH02, PAP17, PP92].

Lagrange-collocation [CN17].

Lagrangian [AL05, BB15, BC08a, Bou02, CFX08, CF13a, FVGS13, KCC04, MZZ17, PP00, RVDD00, Seo09, WL10]. Laguerre [AT15, BMPR15, Fun90, yGyZ07, JCN94, Kza99, jWyG08].

Lagrange-collocation [CN17].

Lagrangian [AL05, BB15, BC08a, Bou02, CFX08, CF13a, FVGS13, KCC04, MZZ17, PP00, RVDD00, Seo09, WL10]. Laguerre [AT15, BMPR15, Fun90, yGyZ07, JCN94, Kza99, jWyG08].

Lambda [Leo10a].

Laminar [hYK86, AHS03, Kar89]. laminate [GP01]. laminated [FSB97].

Lanczos [BRRS15, BS93, EJS04, FN95, JP93, Khe91, KBG04, RG02, YR09]. Lanczos-type [BS93, RG02].

Landau [BS06, LHW17]. Landmark [LWCT07].

Laplace [BSGU94, BF15, Bie12, BDN+97, EVO06, HvdHV10, KvyS15, Lau17a, LLHC17, LFP04, Moo95c, VA05, vI87].

Laplacian [AK00, CF18, FVGS13, SN04].

Large [Dat99a, Lyn99, ND85, PS03, WVBM88, van95, AB10b, AB07, Bai02, BC99, BWL07, BNS01, BHSW16, BT02, BJ11, Buc99, DW15, Ewi91, FTB97, FBM17, GS17, Gen10, GT02, Hab08, HLT07, Hey10, Jac96, Jia00, Jia02, KS07, KW95, KM11, LCGV01, LP05, LS13, LW92b, LCQJ12, Mat86, NMSF94. Psea16, Per99, RS08b, SEG02, SM89, TYKK01b, Toc1, WSP97, YR92, ZNK02].

Large-Scale [VWBM88, Dat99a, AB10b, Bai02, BHSW16, BT02, BJ11, DW15, Ewi91, FTB97, FBM17, GT02, LCQJ12, SM89, Toc1].

Lax [Ano87a, De 88]. Layer [¨USHT03, Bec18, DS97b, DLP06, FM07, FMU15, HFL12, Hua17, Joh01, KL09, Kuz90, LA11, Nak05, PSB91, PH15, TL07, Tob14, ZOZ09, ZWL11].

Least-square [Li16]. Least-squares [CCLT10, KR10, MH16b, CZ04, yDqGnJT09, Han87, KS02, KS09a, LV12, Li11, Li16, LSY17, LW18a, MOS12, MS08a, Mon09, Mon03, PS03, Ren13, SD13a, SLJ86, SWCH15, YK04a, Yua93, Zha07, Zup03].

Left [SY05]. leg [Hua00, WZL08, Wan17a, ZH09]. Legendre [AyLqW18, An16, yGpY09, QQ017, OL18, SLW17, SW07, gTpM07, jWyG08, jWqW09, WC14]. lemma [DLM05]. lemmiscates [FH04].

length [SH91]. Lepp [Riv09, RRM12]. Lepp-bisection [Riv09, RRM12].

Level [KM11, CCS17b, DdSF07, DLP06, FM07, FMU15, GKL07, HL02b, HFL12, Hua17, Joh01, KL09, Kuz90, LA11, 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].
[CJL13, Li01b, Man97, Mur15, Par14, PCHR, SLJ11, SW13, TY98, WT17, WX06, ZZZW97, JK94, van95]. **Limit**
[GlL88, Jac88, Lem88]. **limitations** [CCM17].
limited [SM13]. **limiter** [DSZ15b, DSZ15a].
limiters [MS08a, ZQLK11]. **Limiting**
[BMI04c, KXR+04, Sim94a].
Limiting [BM04c, KXR+04, Sim94a]. Lindsay [CA15].
Line [BGIW18, HP15, Rei85, AHO16, SXP09, WZH16, jWj17, ZHI15, ZP12]. **Linear**
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linear [KCB02, KLW06, Lemo2, Lev91a, Li05, LSK2, LYL17, LC99, LS99b, LW92b, LLL12, LYK17, LMG02, LD02, LRT09, MAH18, MOS12, ML16, Mar08, MF99, MP98, Mar95, MS90, MST09, MH04, MVG14, MRH14, Mot17, Nap16, NHR12, ONL89, OKS10, OTK04, PGA93, PG10, Pic05, Pir09, PT95, PJB04, Por17, QL16, RA05, RC18, Rum87, SS99, Sch12, SH02, SEG02, SWW16, Sid90, SS13a, SvdHN86, SW03, SSX14, Sp105, Spi13, SS90, Su94, TDP17, VMP03, WL09c, WWS07, XFLC00, YG95, YR92, ZNK02, Zha07, ZP97, ZC99, Zla85a, dH95, in 02].
linearised [OQ15]. **linearization**
[Ar96, BCS17, HCW16]. **linearizations**
[Mär95]. **Linearized** [CXZ14, BG11b, BP85, DG10, DJ10, FWL18, HN03, KM16].
Linearly [Bru93, CDF01, CG05, ELCW98, JK12, PWS06, BJ06, BS93, EM05b, GLPW09, SMEN04, WSW96].
Linearly-implicit [Bru93, PWS06, BS93, SMEN04, WSW96].
Lines [FG96, BL15, BDF89, BW96a, BCJ97, HT94, PSL18, Tah96, TT03].
linearised [OQ15].
linearization [Aro96, BCS17, HCW16].
linearizations [Mär95].
Linearized [CXZ14, BG11b, BP85, DG10, DJ10, FWL18, HN03, KM16].
Linearly [Bru93, CDF01, CG05, ELCW98, JK12, PWS06, BJ06, BS93, EM05b, GLPW09, SMEN04, WSW96].
Linearly-implicit [Bru93, PWS06, BS93, SMEN04, WSW96].
Linear [FG96, BL15, BDF89, BW96a, BCJ97, HT94, PSL18, Tah96, TT03].
Limit [Gil88, Jac88, Lem88]. **limitations** [CCM17].
limited [SM13]. **limiter** [DSZ15b, DSZ15a].
limiters [MS08a, ZQLK11]. **Limiting**
[BMI04c, KXR+04, Sim94a]. Lindsay [CA15].
Line [BGIW18, HP15, Rei85, AHO16, SXP09, WZH16, jWj17, ZHI15, ZP12]. **Linear**
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linear [KCB02, KLW06, Lemo2, Lev91a, Li05, LSK2, LYL17, LC99, LS99b, LW92b, LLL12, LYK17, LMG02, LD02, LRT09, MAH18, MOS12, ML16, Mar08, MF99, MP98, Mar95, MS90, MST09, MH04, MVG14, MRH14, Mot17, Nap16, NHR12, ONL89, OKS10, OTK04, PGA93, PG10, Pic05, Pir09, PT95, PJB04, Por17, QL16, RA05, RC18, Rum87, SS99, Sch12, SH02, SEG02, SWW16, Sid90, SS13a, SvdHN86, SW03, SSX14, Sp105, Spi13, SS90, Su94, TDP17, VMP03, WL09c, WWS07, XFLC00, YG95, YR92, ZNK02, Zha07, ZP97, ZC99, Zla85a, dH95, in 02].
linearised [OQ15]. **linearization**
[Ar96, BCS17, HCW16]. **linearizations**
[Mär95]. **Linearized** [CXZ14, BG11b, BP85, DG10, DJ10, FWL18, HN03, KM16].
longest-edge [PPS05]. look [Bot97]. lossy [IJ14]. Lotka [GLS09, Mic03, MdD04]. Low [BBG14, HMs6, KCL00, KS08, BLD17, Baz03, BHSW16, Bla01, Cam99, CMP06, FL09, HPS12, HMP09, HR14, Hey10, LCJQ12, DE18, Ris05, SY18, SZL18, Ver96a]. low-discrepancy [DE18]. low-frequency [LCJQ12]. low-order [HLMP09]. low-rank [BHSW16, HPS12, Hey10, HR14]. low-rank-deficient [Baz03]. Low-storage [KCL00, KS08]. Lower [YB10, Che16, KS10, dC18a]. LPS [AR18]. LPV [SM08]. LU [EVO06, Gu01, HS02, SH02, de 95a]. lubrication [AGJ12]. Luminy [Wen10a]. lumped [GS94]. lumping [DS02]. Lyapunov [DV95b, LS13, SS12, Wan17a, WPL16]. M [BtTBV87, dV95a]. Machine [Pet92, VV95, Daf90, IMM04, MI03]. machines [Alt85, MRV93, SSW04]. magnetic [BC02, HLR18, LM00, WSC09]. magnetization [BC93]. magnetohydrodynamic [DM09a, SD11]. magnetohydrodynamics [AL17, CFXZ06, GDS+15, LMA18, Pow94, Tou10]. magnetoquasistatic [BBS11]. magnetostatic [BP85, Kur98]. magnetostatics [RV90]. 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, XLZ07, ZJ10]. mappings [BBO03, LFP04]. maps [AM10a, ABDD16, DE16]. marching [DD97, Dav98]. margin [KSP10]. Markov [BT02, Buc99, DW18, DMM11, Mar03]. martensitic [WM07]. Maruyama [GLMY17, GLM18, LLD18, WGW15, WMC09]. Mass [DLP06, BRBM08, BBKS07, CGGGS11, CGJ16, FLL11, TW00, ZB07]. mass-conserving [BBKS07]. Massive [Gea93]. massively [BMR+17a, de 95a]. Master [Ano92, Ano02f, Ano04l, FL09]. matched [DK14]. matching [BMS09, BTDV10, CLR11, ST05b, TCCW89, ZC92]. material [AEMX17, MAG13]. materials [CFRA08, Fra04b, HS07, SC03, Wee01]. Math [BtTBV87, Kni95, TLP18a, Tsy96, YP18a]. Mathematical [BGG12, CL02a, DMQ02, FMSV07, IJ14, MLK06, AKGR14, CDJT06, ESS15, EL01, LFL14, RV09, SXe14, SM94, Var92]. Mathematics [MH89, ZCWS11, Ano87a]. MATLAB [EMMK01, RH92, ST01]. matrices [ABK12, BN99, BW03, BLD17, BC99, BG11c, BW06, CL06, DP12, DL01, DMPP99, EES05, EHO8, GS09, Jia02, KS10, LMV17, LVP14, Nie92, Nak92, Nov03, PV93, Wan96, YDO7, Zha00, dC18a, dHV13]. Matrix [AMT17, GPHA16, SW95b, AB14, ACM09, AQ00, BAI00, BBK07, BRM15, BLM17b, BZ96, BRW17, BP95, CG05, CCGV08, CP04, CKL03, CCJ99, Da99a, DMM18, DMPP99, DP85, EAF16, Fu09, G17, Gar02, GGMP88, GGR97, SB02, Hey10, Huc99, Jam95, JMS99, JCN94, KCS07, Kru99, LDP+14, LP00, Lu98b, MH16a, MS99a, NRZR12, O‘L87, Pea16, Per03, Ram6, SW95a, ST09b, SK97, SW06, SW09b, TW00, TM15, Win04, WPS18, YP18a, YP18b]. matrix-dependent [GGR97]. Matrix-free [SW95b]. Maximal [AH11, AA94, Khec91, Mil17]. maximization [KSP10]. maximized [LS05]. Maximum [Hor99, Kru92, FP02, FHK05, SG16, Vej10]. maximum-norm [FP02]. maximum-principle-satisfying [SG16].
Maxwell
[AG05b, AM10b, BC12, BG03, BFH09, Bür12, Bür13, CXZ09, DCC14, FJP17, HZ12, KCW16, 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 [EH08, MS02, VV07, Wen10b]. measured [HM17]. measurement [KKN +17]. measured [HM15, KK17, QL16]. measures [HM15, KK17, QL16]. measured [HM17]. measurement [KKN +17], measurements [HM15, KK17, QL16]. measures [dACR10].

Mechanical [CHH15, HLL09, Arn95, BH93, FPS15]. mechanics [Car09a]. media [AK09, AKT97, BM04a, BM04b, BBL02, CCK03, CML05, CD13, DE06, DN13, EH07a, ESS15, EWW99, FBS09, JG09, JG09, HCW16, IT07, KMR09, MK14, MCM12, OL18, SS94b, SY08, TSFB01, WCW14, XZL07, ZYSZ14]. medical [TSB10]. medium [AD15, Cho13, KT05, KKN +17, Mur15, QL16, SR88a, ZQLK11].

Mesh [BBV13, Bak86, BS09a, FL93, AL98, AGJM04, AKL08, AF89, BMGM12, BHJ05, Bak89, BKM13, BM01, BLM17a, BFA93, BS97a, Bre02a, BT97b, BC97a, CST18, CJS98, CLGD06, DF11, DEPS15, DMR18, DF92, FdSB02, FMP04, FR01, HW97, HWC15, HR97, JP08b, JM94, LBLT13, Len00, LH09, LTT07, LS99b, Man96, MCE79, 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, BBR97, Bo06, BP97, CH03, CS08, DSZ15b, DL06, FHK05, FV05, FMG94, FL01a, FM11, GH00, HMP14, KFO02, Li01a, Mai09, Mat09, MST09, MKH16, NFAE03, PIP04a, Pic05, QM03, SE93, SY08, Tob14, Tur86, WG11, WZ17, YZ17]. meshfree [GM17]. meshing [USHT03]. Meshless [Li11, MS13, AAD14, AD18b, BJH13, KDT17, MD10, RP17, SD13a, Sch08a, SR09, SJ18, SG17, ZT06, DM09a]. meshless-type [SR09]. message [BC09]. meta [KS10]. meta-programming [KS10]. metaheuristics [BdFPSdS10]. Method [BL15, BO87, DT15, DE88, DC18b, FG96, HT94, Pet87, Tt86, TMS87, TT03, AS11, AH09, AS13, ALMM01, AMRR18, AP16, AC15, AHT17, ABK12, AMT13, AA94, AK00, AT15, AMV17, AHR12, AMR14, AB10b, AT93, AB07, AL17, Ang06, AR18, Arc06, AB14, ABM17, AM16a, AM03, AF89, AC16, AAD14, AD18b, Aug89, ABC +15, AEF +14, AMS17, AV00, Bac14, Bac16, Bac17b, Bac17c, Bac18, BBV13, BLD17, BP14, Bal00, BLW07, BF01, BFA17, BAD13, BLY17, BVT14, BO04, BHSW16, BBG15, BC08a, BM04a, BDF89, BF92b, BW96a, BC97, BTP96, BLM17a, BZ17a, BC08b, BGH08, BC01, BC04b, BBR97, BBD08, Bof06, Bov16, BvV09, Bro97, Bos09, Bj00, Bji13, BRB18, BSP04, Bür12, BH12b, Bus06, BS96b, CB00b]. method [CG13]. CFX08, Ca15, Ca09a, CHZZ06, CXZ14, CZH14, CP94, CGG02, CM02, Cas06, Cau08, CS94, C97, CM17, CJ18, CMP03, CKB13, CS01, CX01, CC04b, CZY08, CXZ09, CHX13, CSXL14, Che16, CXZ17, CC08, CS08, CCK08, CH13, CKA10, CEW00, CL09, CK13, CJLS98, CY05, dACSR03, CG16, CN500, CMS04, Coy12, CSM06, Cun95, CH90, DM12, DB97, DW00, Dav92, De 93b,
DG10, DM09a, DA16, DA18a, DA18b, DJ10, DDNZ18, DXY09, DM09b, Den15, Den93, DLP06, DN13, DS97a, DS97b, Din93, DHL00, DN08, DBBH14, Dol14, DL16, DP85, DP90, yDqGuJT09, DI15, EJS04, Elg17, ER18, EK95, EL97, EW97, EH07b, FID18a, FID18b, Fan11, FW08, FWL18, FL05, FFY08, FV85, Fdi96, Fel06, Fer09, FdsB02, FSB97, FG13, FPS00, FV99, FR01].

**method**

[FM07, FMU15, FLL11, GS15a, GLS09, GM10, Gas92, GM18, Gla93, Gol86, GRLL01, GDL98, GMS97, G20, GSG08, GH07, GJ08, GL09, HL08, HS07, H16, HA16, HCW15, HR96, HC01, HLC01, HZ12, HF12, HP15, H16, HS09b, HS18, Ius97, Jad94, J14, J16, J17, JLH13, JM06, JT06a, JD09, K10, KKT16, KA96, KA16, K17, KV07, Kan89, KXX02, KNN03, Kan04, KJL12, KKN+13, KV95, Kat89, KOR18, KO92, KSM22, KS02, K09a, Kim12, KY03, KW1K00, KKK00, KKK+17].

**method**

[Kop86, K10, KPR12b, KP03b, KS09b, KLS13, KQ13a, KQ13b, KR18, KL010, KAS17, KX03, Kwe01, Kwe03, LH11, LHH96, LWT07, LHC09, LW93, LCHR03, La17b, L17a, Lee94, LL15, L01a, LSH00, LWD+09, L19, LF300, L00b, LY08, L08, LH09, LH09, L14, Li16, L217, L218, LLHC17, LR18a, LZ18, LR18b, LMQZ18, LD97, LR01, LX09, Lin01, LT01, LK07, LN08, Luo09, LH013, LK17, LW18b, LGM02, LAM09, LIX15, LOM98, Luc95, Luo18, LB0200, MZZ17, MQ017, MM18, MD00, MMK17, MH14, Mai06, Mai09, MOS12, MP11, MPSS16, MZS10, MCS16, Map05, Mar99a, Mar05, MT94, MMT09, MC17, M205, MS99a, MM07, Meu91, MG18, MYSC17, MAG13, MOSW00, MD10, MS13, Moe98, MH16b, Mok17, MD96, M08, MRFF17, MLB97, Mon03, MWY18, Nak05, NME13, NLS18, Ney95].

**method**

[Fu15, NH15, Nov03, NS16, Oji88, OL18, PZMX16, Pap95, Par04, PM05, PC08, PAP17, Par00, PT11, PR90, PH15, Pet92, Ph08, Ph07, Po00, P07, PG02, PSL18, QLM16, QMC15, RP17, RMCG04, RK08, RV04, RV05a, RMM12, Re03, Re04, RO00, R14, R94, RVD00, R008b, RG02, RKO9, RO16, RU15, SD13a, ST11, SB18, Sch16b, S00, Sch98, Sch99, SW11, Sea09, Se14, SG04, SD11, SD13b, SL17, SWFK13, SW17, She96, SY05, SY07, SXP09, SLJ11, TSQYW16, SW16, wSJP15, SJ15, SBV17, Shy86, Shy91a, Shy91b, Sim9, uV13, SW09b, SVS10, Sod91, SS08, SY08, SL18, SL01, SMA01, SS0, Ste05b, SW85, St03, SG05, Su94, SW11, SvdVd06, SWCH15, SW86, Sza94, TLP18a, TLP18b, Ta96, TL07, T07, TYKK01b, gTpM07, TW00, TV91, TM04].

**method**

[TM05, Tse00, V000a, Wa96, WKM04, JWyG08, JWQW09, WC11, Wan11, WN12, WZ13, JW15, W16, Wan17b, Wj17, WQ17, WSCQ18, WC14, WW14, Wen96, WBC02, Won08, WWS07, WdG92, XL09a, XXQ17, YXT17, YS09, YCV12, YY13, YJ18, YT00, Yi12, YC16, Yu08, YLS+09, hYQ12, Yua93, YH07, ZTZ15, ZL17, ZGL98, ZT06, ZO20, ZY14, ZHA1, ZHIJ14, ZYSZ14, ZQY18, ZL18, ZH07, ZH07, ZH18, ZH18, ZCZ+18, ZC02, ZWL11, Z009, Z00, ZCC11, dFN00, vDF08, vB95, CFXZ06, PT09, RB12].

**methodology**

[AGJM04, CG14, FV87, PRST02].

**Methods**

[BH85, CFTW08, DGCW17, FF06, FFMZ13, MP85, Per88, Rei85, dH95, AH11, ABH14, AH15, AM95a, AB17, Abu04, AB88, AyLqW18, ADK94, AS04, Alb96, AES15,
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methods
[WZW13, WGW15, WGW17, Wan17a, WH18, WSW04, WEA12, WKP12, Wei95, WYL11, WS96, Wen05, WCGW95, WSS97, WZ17, XFLC00, YGY15, YK07, YG99, YW08, YZ17, YXR92, YXB95, Yt99, YTTZ18, Zen93, ZZ18, ZZL01, ZH09, ZC10, ZZW97, ZL11b, ZFX17, ZJS04, ZP97, Zx09, ZCSH11a, ZQLK11, ZCSH11b, ZX14, ZC99, Zha85a, Zha85b, dAf17, de 92b, dRT99, dd95b, in 92, in 95, nd 02, van95, vdES04, vdHVW01, vSC92, vS93, vC93, van93, vS96, van96, vS97, vDHMds99,冲突95, AGM09).

metrics
[CLGD06], MFE [ZYSZ14].

MFEM [SY18].

MFS [SK10].

MG [JMP06].

MHD
[DM09a, HSS04, QM10, SD11].

MIC
[GKMS09].

Mickens
[MdDo4].

microgravity
[CMP06].

micromagnetic
[TSFB01].

micromagnetics
[LW04, XL09b].

microscale
[CL02b, LC02].

microstructure
[GP01, MS00].

microstructures
[Li00b, Li01b].

midpoint
[SR97].

migration
[NS16].

milling
[IMM04, MI03].

Milstein
[RKVZ15, WL09a, Yan18].

MIMD [SD93].

mimetic
[APJ10].

Minindlin
[KX03, Lam13].

Minimal
[Bar12, BFGP08, CP10, LS13, CKB12, Cul95, Hn97, Kir95, 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, GH07, HSS04, MZ04, TJK18, VB07, VMS07, JW15, APJ09, AFLG+12, BGG04, BBG14, BLY17, Brs05, Bra00, Bjm01, BMM97b, CL08, CP05a, CS03, CZ04, CJX11, Che12b, CMS04, DY17, Gm09, HEG16, HH03, HW97, JNPC03, Kie17, Kwe01, Kwe03, LM00, Li00a, LS12, LX09, Mmp09, MS90, O’L87, Par04, SW11, SY08, SW5, VB93, Wan05, YY13, ZZC+18, iW07, iW09, im13, Btv10].

mixed-FEM
[BGG04, Gm009].

Mixed-hybrid
[VB07].

Mixing
[dB03, Gro94, MS91].

mixture
[CG14].

MLDG
[AD18b].

MLPG
[DM09a, AS11].

MLS
[MS13].

MMOCAA
[ZYSZ14].

mobile
[KL17].

mobile-immobile
[KL17].

mobility
[KK09a].

Modal
[FID18b, Dat99b, Rg018].

mode
[DG96, EH91, dpt96].

Model
[Bo87, Hk09, Mac86, Mg14, Mpm16, TD09, WM07, Aht17, Ab15, Al98, Ad04, Bc12, Bfs17, BM05, Bvt14, BK09, Bf99, Bho11, BmTM08, Bn02, CGG5s11, CF13a, CKP15, Cst18, Cha17, Cxz15, Czy18, Ch96, Cl09, Ch98, Cfi13c, Ca15, CrO4, Dmr18, Dgm18, DL16, Fka+13, Fov00, Gkh16, Gv03, Gm18, Hj09, ItHT18, Itz17, Kj17, Jn07, Jl17, Jt06b, Kcw16, Kas17, Lfl14, Ln08, Lg02, Mps16, Mt11, Mt05, Qae+09, Rmcm04, Ra17, Rw87, Smj12, Sh97, Gs16, Tkn11, Tlv39, Wl09c, Wcg95, Wmc09, Wyp12, Ycy12, Yv17, Zw09, Zqy18, Zab15, van98].

Modeling
multi-point [Ano87a]. multi-resolution [Har93].
multi-stage [But93, CCS17a, Tor06]. Multi-step [BC00a, LW17].
multi-symplectic [HLMKZ06, ZCSH11a, ZCSH11b].
multi-term [ESEKZ10, SA18]. multi-time [DA18a].
multi-variable [KXK92]. multi-wavelets [CaAL96].
multi-valued [LW07]. multi-variable [KXK92].
multi-wavelets [CaAL96]. Multiblock [Li00a, DS15, FV99, Oos95, dPT96].
multibody [Aca12, EK97, HMW05, Sim93, Sim98, WSW96, Wen98].
multicomponent [EWW99, QW04]. Multidimensional [BG03, KW10, MKS12, AR15, AM16b, BOEP00, CKN14, CRU15, CJLS98, Cuy90, FCX06, Hag15, HKZ08, OP04, RTB15, ZC92, iM13].
Multidomain [MQO17, Tro96, YH00, BO11, Kim95, Kop86].
multifluid [DRC85]. multifluids [CFX08].
multifluids [CFX08].
multigrid [De 02, DMPSC16, FH08, OG08, Sha98, Ta86, WZ02, Zha97, ABCC18, BMR+17a, BRSD91, BW97, BVV09, Bre02a, BG02b, Cz90, CK98, CH07, DS97a, EVO06, FL01a, GGLR09, GGN12, GGR97, GVJ08, HY02, HST14, JT06a, Kan04, KH91, Kor95, LWT07, LP05, Mic95, Mol95, NNO10, Oos95, PS09, Pf08, Ph87, RDH+12, SWX00, Spi99, Spi00, SAA01, TLV92, VP91, WZ17, vBvdZdB08].
multilayered [NBP94]. Multilevel [AG05b, BM12a, BC04a, HW97, Hu99, Ney95, ZC92, Bai96, BJ00, BCSH16, CLT97, DM12, FMGN94, FPS15, GKT10, GGR97, HKZ08, MB10, Mio99, Moe98, MRS10, Not99, Osz97, SST04, Zha00].
multimaterial [JN07]. Multimesh [PD96].
multioperators [To03]. multiphase [KMR09, WK02, ZC92]. multiphysics [GM18].
Multiple [ELLE02, HS86, HLIS16, KSP10, SAG86, WGB99, hYK86, BN12, BGH08, BG14, Boy91a, CZYO8, EJS04, KS04, KY117, Lec10, Lei02, MS86, Mon09, Ph91, RKM09, SW95b, pSLqJeY16].
multiplication [FT96, MA04]. Multiplicative [FL01a, Mai06, DE16, KKP07, KR12, NN13, TN16]. Multiplier [ONL89, ABG+15, PAP17]. multipliers [BG04]. multiply [BS96a].
multiprocessor [CSS87]. multiprocessors [AAI+93, IVA93].
multiquadric [Jun07, JD09]. Multirate [GM18, GR93, BKP09, EL97, HS09b, KP15, PG02, Pu09, PSL18, Ske89b, SG05, SBG09].
multiresolution [BBBS09, DGRS09, FR14, GDS+15, JP17, PD96, PGS10].
multiresolution-based [PGS10].
multiresolution [MP97]. Multiscale [CL08, DC09, EH07a, WCW14, CKB13, CC04b, DDH97, DXY90, HSY18, Jee09, JEG10, LN12, Rob10, SKAW12, SQ17, YC16]. Multispectral [CdCV03].
multisplitting [Liu02]. multistage [ABH14, BJ98, JVZ95, JR00].
multistep [CP09, FMMK01, VZ93, ZL18b, AFS00, AFS02, Arn98, BCS17, BT95, CM13, CL85, Cha98, Den15, FH97, GM16, Gje07, JJ17a, LMG02, MTO9, ONL89, OTRK04, PAG93, SvdHN86, Spi95, Spi13, in 02, vB95].
multisymplectic [AM04]. Multithread [RRMJ12]. Multithreaded [Chr96].
multivalue [Bur85, BC89b].
multivariables [Ari87]. multivariate [AEG12, CC04a, CV88, MD06, OGV92a, PG10, WT93, de 92a]. multiwavelet [DJ+15].
multiwavelets [AFS11, CS17, MB08]. Munthe [AB17].
MUR8 [EL97]. Murakami [CN16].
MUSTA [Tro06]. myelinated [LFL14].
[CdCV03, Che16, DdCV03, DY03, HY01, Hua17, HS97, Sch91, Ste05b, VZ93].

natural-norm [Che16].

nature [VS91].

Navier [KM16, Kni95, AR18, BB15, BG11b, BC01, Can08, CSXL14, CD13, DY17, DJ10, DS97a, DN08, DJL04, FD16, GM10, Guo00, GH07, Guo15, HHC08, HL08, HW15, HFL12, ITZ17, Joh01, Kal96, KS90, KCL00, Kni94, KDK17, KN93, Kwe03, LA11, LR00, LO96, Med96, Nor97, OK98, QAMX17, RV05a, RK91, SH10, She96, SA00, Shy86, ST86, TH18, TLV92, Ton04, VG04, WY02, YC16, Zha14].

Navier-Stokes [Shy86].

NCP [PGP03].

Near [PGM86, Ari04, BRIP08, KLSW10, RS08b, Sch02].

near-breakdowns [RS08b].

near-critical [Ari04].

near-minimally [BRIP08].

nearby [DMPP99, SL01a].

nearly [BRS05, DN13, ELR15, Fat10, Mou03, Win01].

nearly-singular [Fat10].

Necessary [Meu14].

necessity [BC05, BDDV12, DBDV10].

necking [NMSF94].

need [Mau08].

needle [Li01b].

needle-like [Li01b].

negative [BC05, CLS04, LDP+14].

negativity [AHT17].

neighborhood [Bar05].

neighborhoods [Zha07].

nerve [LFL14].

Nessyahu [ASC03].

nested [Im00, KS09c, PSP04a].

NETNA2015 [DGCW17].

network [Boh03, CFS13, CG03, DvV93, EM05a, SG05, SGB09].

networks [Bho11, Bor16, CG16, DC18b, JRW06, SMCO8, SG16].

Neumann [AS11, Bie12, DP85, DY03, FL15, HM17, KyvS15, Lan17a, Llhc17, MH14, O’L7, Omp98, PA18, Rbc02, jWqW09, JW15, hYqW12].

Neumann-to-Dirichlet [Bie12].

Neumann-type [HM17].

neural [Boh03, CG03, JRW06, SMC08].

neuron [Bho11].

Neutral [Jac87, BP06a, Bru07, EH97, Gan09, HHT97, JL91, LL18, WzL08, WC11, WC14, XytT17, Zh09, ZP98].

neutron [FdSB02].

Neville [AGP97, GP93].

Newell [MDRR11].

Newmark [KW12].

Newton [Agu15, AB07, ABM17, ARo96, BLS+17, BHSW16, CKB12, Car94, Fre91, GM93, Gug05, HH10b, HCC16, HST14, JKN94, JLL90, KY17, LMP99, MYSC17, PkSB10, PGP03, SW09a, SY05, SL90, pLSqJcY16, Sp95, ST14b, WZ16, XZZL15, ZZW97, Zha01].

Newton-like [JKN94, ZZW97].

Newton-multigrid [HST14].

Newton-type [PGP03, pLSqJcY16].

Newton/GMRES [PKSB10].

Newtonian [CCLT10].

NFFT [HNP17, Nes16].

Nicolson [ZJH18, ZR15, FP02, LFB00, TH18, ZL17].

Nicolson/Adams [ZJH18].

Nine [Pot85, Lyn92, WG11].

nine-point [Lyn92, WG11].

Nitsche [BDDV12, BH12b, Dz12a, DBDV10, MAG13].

no [BrTBV87, Kni95, Tsy96].

nodal [HMDv03].

node [Bai97, EN09, SGN08].

node-centered [EN09].

node-centred [SGN08].

nodes [CMP15, CHS17, KK09b, SR09].

Noether [Dor01].

Noether-type [Dor01].

noise [AHO16, KZ13, KR12, KKR15, MR04, TR16].

noise-removal [MRS10].

noises [Bac18].

noisy [KLS13].

Non [ADSS17, AMR12, BS00a, BFdS10, FR14, FBM17, LY10, LDP+14, PPS04b, PPS05, TJ12, XL09b, AD15, AS11, AHT17, AK00, ACMR06, AMV17, Ang06, ASCM02, AGKK04, AM10b, BBV09, BM06a, BP12b, BTDV10, BO11, BMV06, Buc04, Buc17, BJo06, BCS06, BB98, CL01a, CP97, CM02, Cat10, CLR11, CCC04a, CKK10, CC199, CLS04, DDP12, Dea11, DS97b, DM11b, DN08, DSZ15b, DSZ15a, Ehr08, EL01, FvdMS17, Fou00, FM11, GP98, Gau15, GS94, HM01, HL02b, Jnh07, KLSW06, LH11, LC99, LQM98, MDR11, MVVA09a, Mst09, PGB08, PHL09, RS09, RV04, RV05a, Sch93, Sch04, SB14, SYG+05, SG00, SA18, Ste05b, TW00, VL08, WZ14, WIT17, iV09, Pet92].

non-asymptotic [Sch04].

non-autonomous [CL01a, DM11b, SB14].
non-clamped \[BBD18\], non-classical \[AS11, CCJ99\], non-commuting \[BB98\].

non-compactly \[Ehr08\], non-conformal \[CLR11\]. Non-conforming \[XL09b, DDP12, DN08\], non-convex \[AM10b, CP97, CKK10\], non-cylindrical \[BCS06\], non-Darcy \[EL01\].

Non-degeneracy \[PPS05\], non-equidistant \[DS97b\], non-equivalent \[PSP04b\]. Non-Fickian \[BFdS10\], non-Hermitian \[Pet92\], non-homogeneous \[AMV17, BP12b, PFHL09\], non-linear \[AK00, BM06a, Buc04, BJ06, KLSW06, LC99\].

non-local \[ACMR06, Ang06, BMV06, MVVA09a\]. non-parametric \[AGKK94\], non-periodic \[BO11\]. Non-polynomial \[ADSS17\]. Non-quadrilateral \[TW00\].

non-negativity \[AHT17\]. Non-oscillatory \[TJ12, ASCM02, DSZ15b, DSZ15a, PGDB08\]. non-overlapping \[BRVC09, Jun97, LOM98, RV04, RV05a\].

non-nonsymmetric \[HL02b\], non-trivial \[CM02\]. Non-uniform \[FR14, AD15, Fou00, LH11, MST09, RS09, SYG+05, SA18, VL08, iv09\]. noncompact \[MJ14\]. Non-conforming \[BMS89, JP08b, YLL09, CK98, CZS04, GHT05, JK14, Kan04, Kim12, KOS+12, MCS06, MZS10, Osw97, Par04, Ris05, SY18, VMS07, WSY18, ZCZ15\]. nonconstant \[CCL04\]. nonconvex \[GT02, SL08\].

degenerate \[KL98\]. nondifferentiable \[MH16a\], nonexistence \[BSV09\].

nonhomogeneous \[BJ00\]. Nonlinear \[Bar05, BL91, De 93b, DSS15, EH91, MSS+15, RBBC85, Ren13, SM85, SW13, SCT05, Tan01, WZL08, AC98, ADR17, AAM03, AB07, ASZ18, ALM04, AD18a, AD18b, AO91, ADH00, AMS14, Bac14, Bac16, Bac17a, Bac17b, BY09, BHJ06, BLS+17, BGG04, BM03, BN01, BS10, BKP14, BS09, BSQ96, BRBS97, Bogo14, BGP11, BVRB14, BRRB18, BT98, Bru92, BC97a, BKW06, BRS+18, Bus06, CCG13, CW98, CS94, CJL13, Cha17, CR05, CL07, CZY08, CNS00, DW00, DS17, DA17, DM09b, DZ12b, Den15, Die15, DSSC13, DL16, DHM09, ESEKZ10, EJS11, FID18a, Fd96, Fer96, Fl01, FS07, FJS99, FL01b, GLS09, Gan09, Gan96, GSS99a, GLL14, GM16, Gar96, GHMK09, GMS12, Gon06, GGNP02, GT93a, GKA17, HM87, HJS97, HsdRI17, HK93, HM09, HS95, HJKW17, HJJ18, Hua98\]. nonlinear \[Iga85, Ius97, JZK06, JRT90, JW01, Jia12, KM95, KO06, Knt13, KSSS16, KS04, KKP17, KK17, KLSW10, LPT94, LW03, LOS03, LA11, LWH17, LY03, Liu09, LRL14, LMP99, Luo18, Ma03, MH16a, MMP09, MD01, MK14, MP11, MS02, Mkk97, Moe98, NC16, Ojj88, OT02, OTK04, PM91, PD01, Per99, PA91, Rha99, RT14, RV05b, SH97, SH09, Sdd96, Sgh97, Sch98, SY05, SY07, tS07, WY17, G16, SZ12, SZ17, SVB17, SC03, SS09, SG92, SL01b, Tah96, TH09, VSG17, VP91, VMP03, mWY00, Wan01, Wan07a, Wan07b, WL09b, WCl11, Wan11, WZ14, WGW15, WZ16, Wan17b, WL18, Wei09, WP99, WB03, XZL07, YLS+09, Zha96, ZH09, ZZW97, Zha01, ZPT92, in 95\]. nonlinearity \[Fuh01\]. nonlinearly \[MS99b\]. nonlocal \[ADFR18, Bor02, Deh05, DM09b, KBS11, MVVA09b, NY13, PD01, VS91\]. nonmodal
GMGF02, GLM09, GOP06, GKL07, GL17, GN86, Guo96, HZBM05, Har09, HHT97, HM01, HJ05, Hin97, Hor99, Hor02, HA16, HB09J, IV16, Isk89, IMM04, JL91, Jac96, Jad94, JK17, JL17, JR02, JCSR03, JT88, KV95, KD13, Ke85, KC94, KPR06, KK09a, KN16, KKW00, KB17,17, KAS17, LPT94, Lau17b, Lau17a, Lee94, Lee01a, LD10, LSK12, LYF17, LSL11, LC99, LT00, LZL14, LLD18, LFP04, LFS15, LP00, LD02, DLM16, Ma03, MDD14, MPTT17, MS03, Man97, MRF00, Map05, MVVA09b, MV17].

Numerical [MSS15, MP15, Mur99a, Mur09, NRWF08, NK11, NMKE13, NMSF94, NLS18, NT92, NS16, OS80, Oji88, PR98, Pet00, PP92, PFHL09, PCA10, Ram94, R02, RG05, Rii92, RMK09, RT95, RTT01, Sa98, SB03, SY03, Sch91, SS94b, Si10, Si14, Sim93, Sim91, Sol15, SvdHK94, SS02, SWR11, Tal96, TYK01a, TOD11, Tho85, TK05, Tor06, Tou97, Tsy96, Uty08, VO00b, VV07, VB05, Wan01, Wan07b, WL10, WQ17, WH18, WB92a, WCGW95, XL09a, YLB13, ZWH17, ZL11b, ZML12, ZP97, ZCC11, vT87, van86b, v98, vdHSW98, Ano87a, BJS12].

Numerically [War92, CH04, WT08].

Numerics [FJH01, HW04].

Numerov [AGM09, FV85, Fuh01].

Numerical-type [Sim91, FW08].

NUMOL [Dia95].

Nyström [Pat98, AMCM08, BDP99, BCR01, CL14, CRR93, DM11b, Fer09, GMG04, GML00, Hoa15, Lab98, LIW17, LS05, Mur98, Pat00, PA05, Son93, Tan09, VDVV98, VV02, vSC92, CH95b].

Object [LLS96, EMMK01].

Object-oriented [LLS96, EMMK01].

objects [DH12a, ESS15, IT07, QL16].

Oblique [Sod91, WN12, WL16].

Obrechkoff [VV09].

Observations [Pet87, GY15, YK07].

observed [FV01].

observers [PGC01].

obstacle [BS14b, Imo00, KJL12, Map05, QL15, Zou11].

Obviating [AM16b].

Occasion [CHM09, EST15].

Ocean [AL87, Beh97, Lee94, LG02, RG05, RM12, RW87].

October [Wen10a].

ODAE [PP92].

odd [AS05, BtTBV87, tV87].

odd-even [BtTBV87, tV87].

ODE [Aro96, BM09, MPG16, SW89].

ODEIVPs [Bur93b].

ODEs [ABH14, AH15, AB07, AV96, AB98, AB09b, BK06, BM06b, BKW06, BP06b, CC011, HS09, KKP17, LS07a, Mur98, Mur99a, Pat98, SC11, SA12b, SK16, VS95, WSP97, BT97b, BM02, CM97, CPF93, Gea93, GX93, Jac96, JN02, MW93, MQ03, SaL98, Sha85b, Sha05].

off [FV85, Fuh01].

off-diagonal [Fuh01].

oil [Aff94, FBS90].

Old [Cuy90].

Oldroyd [ZQY18].

omitted [BB10].

on-the-fly [BMR17a].

One [Buc06, De 88, Gil10, KL09, Pet87, Bac14, Bho12, BFA93, Bok03, CP05a, Chi93, CY05, CN11, DR09a, DL13, Eir99, FK09, FD07, DSB02, FR18, Guo01, HZ09, Hin97, Hor99, Hua00, HL89, Kam00, Kie95, KS09b, LL98, LAH09, MQ017, MII13, MO09b, Mus11, SMEN04, SL86, SM93, Sha85b, SJ11, SW12, TYJ11, TM04, Ver93, WZL08, Wan17a, WSS97, YDWW17, ZH09, ZW97, ZQLK11, Bru97].

one-block [Guo01, ZW97].

One-Dimensional [Pet87, Bac14, BFA93, CY05, FP02, FD97, HZ09, Hor99, KS09b, LAH09, MQ017, MII13, M09b, Mus11, SL86, SJ11, SW12, ZQLK11].

one-leg [Hua00, WZL08, Wan17a, ZH09].

One-level [KL09].

one-parameter [Hin97].

One-point [Gil10].

onespeed [D120b].

one-stage [Ch1993].

One-Step [De 88, Buc06, Bok03, EK97, Kie95, SMEN04, SM93, Sha85b, TYJ11].

Ontario [CFT08].

Open [Gus88, Gl93, HCR01, HLL09, Kim14, MA09, Man97, Mar94, RW87].

Operational [M87, Lub92, Mok17, dHV13].

operations [H14, IMM04, MI03].

Operator
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 operator-splitting

 operators

 Optical

 options
order [MYSC17, MPtM16, MD96, MRFF17, MK99, Mur98, NK11, Nap16, NT16, Nic86, PZMX16, PGDB08, PCR17, PJBo4, QW04, RZ00, ROB17, RZ18, Ran15, RA03, RR00, Ris05, RT14, RTU15, RO16, SMJ12, SST12, Sac93, SA02, SM93, SB14, SD13b, Sha87, SY18, SZE+92, Ske89a, SDK15, Sof17, SvdHN86, Som93, SA90, San02, SM93, SB14, SD13b, Sha87, SY18, SZE+92, Ske89a, SDK15, Sof17, SvdHN86, Som93, SA18, STS00, SS09, SS13b, Ste08, Str98b, Sub04, SW17, gTpM07, TX18, Tem15, Tob14, TZA13, Tol03, Tol04, Ton04, TDPUI7, TY00, VV02, VV09, Vej10, Ven15, Ver96a, Ver06, Wai98, WKM04, Wan07b, WL09b, WWX13, Wan17b, WMF17, WAV12, WC14, Wen98, WB03, WVP12, YV17, YTO0, YC13, YDW17, YXZ18, Zha96, Zha14, ZWH+17, ZZW97, ZFX17, ZX14, iW09]. Order-dependent [ZJ10].

Order-preserving [ZM17]. ordered [HP97, Not92]. orderings [Ara99]. orders [AMP03, ESEKZ10, SV00, Tsi01]. ordinary [AT93, Bac16, Bac17b, BJ05, BZ92, Bok03, BJ11, BC89b, BB96, BB98, BC95, BJ96, BJ98, CL01a, CD95, Den93, Em06, FMK0l, GGMP88, yGpY09, HJ05, IM98, Ise02, JJ17a, JVZ95, JVZ96, LMSW17, MP94, NMKE13, RT95, Sau99, SZ12, SCvdH92, SL01b, Tem15, TYJ11, Tax96, XFLCO0, YC13, ZG92b, ZC99, in 95]. orientation [ACM91, ZML+12]. oriented [AS05, EMMK01, GG95, LLS+96, MPG+16, SG05, WSS97]. Ornstein [ZGO12].

Orthogonal [Ari03, BDMGVO05, AoLqW18, ADG11, BSFDM02, BR01, BRS16, Bre91, BDRZ04, CI96, CKL03, CMR12, Chu03, Cod08, DA18b, DR01, DMR10, DIR13, DM97, DMR09, EMS00, FIV91, FR18, FBM17, Hig96, JTO9, Jot05, KS10, Lee10, LFBO0, LZW17, LZY09, Mar94, MM02a, MRd05, Mie89, SG09, SLZ10, TJK18, WM07, dACR10, RMM12]. orthogonality [BDRZ04, JJ15].

orthogonalization [SS99, ZNK02]. orthonormal [CaAL96]. oscillating [CPR93, DYX09, DC09, FW08, Mar94, RCGM98, Sau00]. oscillator [EK95, MH04]. oscillators [FW07, GMGF02, JZZ10, YW08]. oscillatory [ASCM02, CC04b, Che12a, CEW00, Den93, DSS15b, DSS15a, Eva94, EW97, EC07, Fra04a, Fra06, GMG02, GMG04, Has09, Has13, Isk02, KMI7, KCI03, LWX10, Maj17a, Mot17, PGDB08, T912, VV05, WWX13]. Oseen [AKL08, Ca010, Cod08, KLY05, vdVS08]. Osher [HS86, LDWI16]. Osher-type [LDWI16]. other [DLM16, 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]. ZHLO3, ABC18, BRVC09, Jun97, LOM98, RV04, RV05a, RGL16, SA12a, de 95a]. overrelaxation [HPY92, KP03b]. overset [QLL+08]. Overview [WP99, FNT06, Hsi06, MLK06, SV95, Wei95]. own [KV07].

P [CHM09, Kan04]. P.D. [An087a]. P2 [Kim12]. P.SPARSLIB [SW95a]. package [HSW99, HS02, HK93, HVY91, SH02, dH95]. Padé [Ari87, Kid90a, Sad96, AG12, Bel91, BW15, Bre96, Bre02b, Bre10, But09, CL06, Cat10, Dar90, DMGVO05, DMGVO09, GLL14, Gil10, GVP93, GM94, KS91, Kid90a, Kid90b, Lor10, Mrd05, OGV92b, Pre90, Pre95, Sad97, van86a, v187]. Padé-type [Ari87, Kid90a, Dar90, Kid90b, OGV92b, v187]. Painlevé [AY15]. pair [Cu19, FW07, Tsi01]. pairs [BL05, BS92, Hig97, SV00, TM15, Ver96a]. panels [NBP94]. Pantograph [AS00, BGT97, BDBH14, Isk97, Liu97]. NLS18, Wan17a]. papers [FJ97, vdHSW98]. Para [BRS16]. Para-orthogonal [BRS16].
parabolic [AP16, ADK94, AES15, ADFR18, AMCo02, AAA93, APJ10, AED12, BKM13, Ben17, BC08b, Bog12, Bog16, BJ03, BJ06, BCS06, CS94, CJ18, CX01, CL10, CL01b, Deh05, DSSC13, ELCWS98, EL94, FID18a, FHKK05, FM95, FJS99, GQ89, Go100, GDS+15, Gou06, HZBM05, HKO12, HM01, HP14, HW04, HO05, IVA93, JCSR03, KL98, KDAK13, KS07, KZ13, Le12, LW95, LOM98, LO95, MS03, MVVA09a, MS90, Men91, Moo95b, MD06, Now96, OS08, OT02, OTK04, PAP17, PB04, RC18, Sch87, Sch95b, Sea09, SB14, SWW16, SD09, Sti03, SLZ10, Tau09, TV91, VSG17, Ver96b, WKM04, Yu99, Zho17, ZK00, Zuu95, Ant13].

parabolised [BS08]. Parallel
[AB09b, BOEP00, BDF94, BS92, BTDV10, BMT93, BT98, BF95, Bur93a, BT00, BC95, CSXL14, Con89, CP17, Der92, DF96, FLO+97, FV99, FPM15, GM93, HH10b, IM02, Kie95, Kim95, MW93, Mic95, Mie98, Nak05, Ore93, Pet92, PV93, SK97, Sch91, SH10, SQ17, Ste05a, WSP04, YH07, ZC91, ZX09, vSC92, vC93, van93, vdHMD99, AT93, AB98, BN99, BC99, BMR+17a, BRS91, Ben96, BNI01, BT02, BTP96, BDFV95, BS91, BTR93a, BTR97c, BD96, BS00b, CKB13, Chr96, CM07, CX08, CPM93, Cve02, DdSF07, DVF93, FL93, FL01a, Fre91, Gen10, GY94, GM95, Hab08, HO02, HVY91, Jez99, KG90, LS99a, LVO199, LX92, Noc95, OP04, Os95, PS91, PSW02, QR03, Qu96, SW95a, SW95e, SWJ09, SK91, SCvdH92, Som93, Tsa91].

parallel [Tsa92, VG04, VS94, VP91, WKP12, WWS+93, WCGW95, ZAR99, dH95, dDF+94, de92b, de95a, de95b, vS93, vS96, vVdV97, vdVdH95, dH95].

parallel-iterated [CM07, CX08]. Parallelism
[Che88, GX93, KP07, Doi91, Gea93, SD93]. parallelizable [Kim94]. parallelization [Jun97, RRMJ12]. ParalleloGAM [AB98].

Parameter [BBV05, BP92, KK06, OS08, San18, SWJ09, SSW04, AMV03, AD04, BO04, BR94, Deh01, DT89, Eir99, EG88, FHM+02, GPO06, Hin97, LN08, MCS06, MOSW00, Neu88, Sim10].

parameter-uniform [FHM+02, MOSW00]. parameterisation [CM04]. parameterization [Gar05, LG02]. parameters
[AB09a, ABP95, BAP+06, BD07, BBCS05, BCMV03, BS00b, Cat10, CJS13, HK09, MW93, Pui09, WL09c, Zar17, ZFX17].

Parametric [GB99, Lo06, AGKK94, BP85, Che16, GS99b, LS07a, Ren14, SC11].

parametrization [GLM09]. parametrized [HM09]. parasitism [NH15]. Part
[BV94, Mur99a, BO11, GGO16, Ioa89, Kru99, XB14, BDDV12, BR+18, CY05, DGN12, GPHM12, JMH13, LFS15, Mur99b, NR06].

Partial [BCHR12, BGH+15, Luc05, Pet87, Rei85, AM99, AM00, AMCM08, AF93, ARS97, BHJ05, BHHJ06, BK09, BRS15, BtBV87, CSS87, Cha98, CL01b, Dat99b, DS05, DMMG005, FID18a, FL93, GVP93, GM17, GN86, GGO13, HP18, HR96, HL89, JZK06, JMPY10, Koz94, KP15, LHH94, Lay99, LW18a, LyK17, LS98, MT11, MZK05, MT06, Men14, Olv92, PM05, PAJ12, PT15, Pre90, PG02, Pul09, PSL18, RA05, SS08a, Sar05, Sch87, SD13b, ulVS13, SL17, TN16, Tans3, Tho95, Tia15, TS08, TDPU17, TV91, Tr93, VC10, Ver96b, WSS97, WdG92, YDWW17, dDF+94, tV87, vSW90, van96]. partially [GLMY17, GLM18, HP97].

Particle [CKM15, MP85, CDD00, Cat10, CK06, GS15a, LL06, Nie86, RA03, SKR16, Tow16, ZML+12].

Particular [PCA10, Pre95, ZPT92]. Partition
[CDD+17, BPS04, Mit97, PP05, SH10].

Partitioned [BD17, CH95b, DM11b, HR06, Ree03, WGKS12, Wen98]. Partitioning
[DS02, HW06, BSW93, FL93, GY94, RP01, TD09]. partitions [DS97b, LMS09, PSP05, PSP04b, SST09, SST15]. partnership
parts [RGÖS18, Str98b]. passing [BC99], passive [CG13]. past [CRTU15, LMS08, PP00, TOCV02, Son00]. Patankar [BDM03, KM18]. Patankar-type [BDM03]. patch [LSGK15, VR01, ZY14]. patches [WM08]. path [KP18, LDIW16, RP01, SZ99]. path-constrained [KP18]. path-constrained [RP01]. path-following [SZ99]. path-conservative [LDIW16]. path-conservative [RD98, Str98b]. pathology [AQ00]. paths [HHW18]. Patrick [PSR04]. patterns [Huc99, NMSF94]. PC [CM07]. PDAEs [LD02]. PDE [Chr96, CD18, DKK94, MR92, MSS+15, PR09, SSV98, Sch96, VG04, WYP12, Zha96]. PDE/stiff [SSV98]. PDEs [AAI+93, AC16, BV94, BKW06, CMM15, Dia95, GLPW90, GPR12, GPHA16, GFPG18, IVA93, Lau17, Toc01, Val00b, Zeg97, Ber04, Ber05, CMCGTR02, GOR97, WM04]. peak [Val95]. peak/plateau [Val95]. peakon [CLP15]. peakons [AS06]. Peaks [Cul95]. Peer [PWS05, SW12, WSP04, CMRV11, GLPW90, JKW12, SWE05, SWJ09, Sch12, SKW17, SW18, WEAI2, WKP12]. Penalization [BCL15, PBO08]. penalized [KvyS15]. penalties [Ino00, YZ17]. penalty [BB94, Bu17, CH13, CSM07, HHCO8, Hes00, HFL13, KSMM16, LY01, ZL18a, Zho17, Zho18, ZCC11]. pencils [AA94, AT13]. penetrable [BBLT15]. penetrative [Tse90]. Pereyra [MP98]. perfectly [DK14]. perforated [CL08]. Performance [BDSS09, GY94, LS07b, MRV93, WT08, BMR+17a, BD96, CB09, Dea11, Du11, Fre91, Gen10, HD04, JJ94, MMBB07, Sal98, Win92, van98]. Performances [CCM17, CG03]. performed [BCE04]. Periodic [GM85, BKP14, BDKM92, BO11, BMM97b, BM97a, CDP17, CCP04, Con99, DG10, DB95, FJ09, Gil88, HJ17, Jac88, Lem88, Li00b, MN08, Nes16, Ngu15, NT16, PPS10, Pat98, Sid14, S6HN86, SS09, VVD95, Vic92, Zha14]. Periodically [YXB95]. Periodized [XB14]. permeability [CGN03]. permeable [CGJ16]. permutation [FV85]. permutation-perturbation [FV85]. Perron [Fer14]. personal [Han87]. perspective [MMP02b]. perspectives [AB09b]. Perturbation [RA05, Arn95, BF99, FHM+02, FV85, HP18, KH+14, LV1P14, Nak12, NT16, SdSC99, St096, TM15, Vui92, Vui95, ZLG18]. perturbations [BT94]. perturbative [Cat10]. Perturbed [RL89, Re85, AL90, ÁMS14, BM00, BM01, BO04, BBR97, Bog00, Cun95, FW07, FJ09, GMGF02, GOP06, HL99, Kau95, Kau97, KS04, Li00a, Li01a, LTO1, LGMQ02, LW95, MF99, MOSW00, MPT16, Mus11, OS08, OQ15, PZM16, Pap95, RK08, RC18, RTU15, SK16, SWW17, YW08, YZ17, Zar17, ZCZ15, ZL18a, ZLC15, ZXC14]. Petrov [DM09a, MS13, AD08, BBR97, DGN12, GV08, KDT17, KNN03, RP17, Sac93, mWyG00]. Petrovskii [BFdO07]. PGEM [ABFV09]. Phase [JK17, Boz11, CH15, ER07, GHK16, GOGF03, KSMM16, KN1P16, LL98, LY08, MR06, Pat00, RZ15, Sch16a, SY08, SS09, TCCW89, TKN11, WAG98, WM08]. Phase-field [JK17]. phase-fitted [Pat00]. phase-lag [SS09]. phenomena [Pir09, Ven15, ZG92a, ZG92b]. Phenomenology [Bri85]. phenomenon [BCJW17, FRRJT10, Jem07, RSL98, BO11]. Phillips [Lub92]. photonic [NS13]. physical [YK04b]. physics [AK09, Cat10, MA09, PCA10, Sam94]. physics-based [AK09]. physiological [CKP15]. physiologically [BL15]. Picard [Lay08]. Piece [LSY17]. Piece-wise [LSY17]. pieces [WWS+93]. Pipecwise [PGS10, RF16, Bec18, CL14, DS17, GYS96, LZ17, Pic05, Pla08, St03, TL07, ZWL11]. piezoelectricity [MZ04]. PIM [dH95].
pipe [DM09a, RR00]. Pipes
[HYK86, TT03]. Piskunov [BFd07].
pitching [OK98]. pivoted [HPS12].
pivoting [GP93]. placement [YK04b].
planar [BF01, EM05a, EM05b, Gab02,
RAS99, SK01]. Planck [Van02, jWyG08].
Plane [PGM86, LHC09, MM02b, Mik97,
MS99b, PA18, Wan05]. plane-wave [PA18].
Planewave [NS13]. Planning [MZ87].
Plasma [DRC85]. plastic [HS07]. plate
[BL54, BH12a, CM09, yDqGnJT09, Fai00,
HLC01, KX03, YTZZ18]. plateau
[Wal95, Har09]. plateaus [Cul95].
platelet [SWFK13]. Pointwise [CM06].
point [Pot85, SM85, AD99, Ano87a, AL05,
Bac18, BM12a, Bec18, BCC16, BB10, Cao03,
Cao07, Cao09, Cao10, Car09b, Cao96, CW98,
CJL13, CL07, CC08, Cui04, DJ10].
DMGVO05, DMGVP009, DMPSC16.
EHM01, Elm02, Gill01, GVP93, HK93,
HM09, Ius97, Jaz93, Kat89, KS01, Kor95,
Lyn92, OG08, MG96, OG92b, OG92a, PPT02,
RV05b, SJ18, Sim04, Ske99, Ste97, Wan07a,
Wan11, Wei10b, WG11, WYP12, XZZ15,
YP18a, YP18b, ZZW97, Zha07, Zup03].
point-like [CJL13]. Points
[Eis86, Bal00, BSL00a, BE99, CN15, FG13,
Gill91, HM09, HS95, MAj17a, DE18, Nov03,
Oj088, OL18, PMP04b, SK10, SL08, Wa98,
WT08, Xu16, YTO3, YDWW17, ZSJ04].
Pointwise [Len00, Wei09, ZMC13, BSZ15,
Fral14, TM04].
poisedness [WW05]. Poiseuille [MM07].
Poison [AO91, BSU94, BS14a, CHPV09, EK06,
HL04, HZ06, KRKB16, LX08, LHF08,
LW07, Phi91, RV04, She00, Zhe07].
Poison-type [AO91, She00].
Poison/symplectic [LX08]. Polar
[SST09, Kwa09, She00]. Polarizations
[SR88b]. pole [Jad94]. poles
[AQ18, SMJ12, SL01a]. policy [RF16].
pollution [AVMVMV09, Bou16, DS03, TM04].
polydisperse [MM14]. polygon
[AM10b, CKK10]. polygonal
[Hin97, LHWF08, PR09]. polygons
[CF18, GFP18, LD10, VMS07].
polyhedral [RA09, Yos00]. polymer
[ABP95]. Polynomial
[BSZ99, BDV17, Pul09, Pul12, Rus95, SW98,
AA04, ADSS17, BM04c, Boy06, Boy07, BS09,
BO11, CP94, CJL13, Che12b, CS17, DJJ+15,
GSW16, GJ17, Han06, HL08, Iva07, JBL11,
Kyd90b, KY17, Mar99b, MN03, MQ03,
Mie89, Nov03, PH19, Pla08, SD13a, SZ12,
SZ17, Win01, Win04, Wu03, ZWK15, de 92a].
Polynomialization [Boy07]. polynomials
[AMT17, AyLqW18, Alt85, ADG11, BR01,
Ber05, Ber10, BWY17, Boy15, BRS16,
Bre91, BDRZ04, BDMGVO05, CMR12,
CKM10, DGV00, DR01, DMR10, DIR13,
DB08, DM97, DJM09, FRV11, FR18,
GSW09, JCN94, J15, JT09, Jou05, KP92,
Lee10, LLY0, Mar94, MMO2a, MG97, Nap16,
Pat98, Per03, Sim94a, TJK18, dACR10].
polynomials/functions [GSW09].
polyvalent [CMR94]. population
[AM95a, AMT13, ALM04, Aya09, LS16,
QAE09, SH97]. poroelasticity [GM18].
porous [AKT97, BM04a, BM04b, BBL02,
CCK03, CLM06, Ch013, CD13, EH07a,
EWW99, FBS09, GJR03, HJ09, HCW16,
KT05, KMR09, MK14, MCM12, SR88a,
SY08, ZYSZ14]. portable [PSB91]. posed
[CRS05, EG88, Kli15, Lie01, Luc95, MRH14,
Sam94, XXQ17]. posedness [SSZ16].
position [CM06]. Positive
[BS95, Cao07, DBCBPP10, Ara99, BRBM08,
BBKS07, Cao01, Che12b, CL88, DL01,
GP93, GP04, GP17, KCB02, Lu02, Lu98b].
Positivity [BK12, Hor98, Ber04, Ber05,
GM87, HKO12, Hor05, KP03a]. Post
Post-processing [BSZ15]. Post-projected [CCM02]. Posteriori
[Rei85, AS05, AB10a, AOW94, AR18, AP08, AM16a, BLS94, Bac14, Bac16, Bac17a, Ban97, BS14b, BCS17, BM13, BBG14, BRVC09, BC04a, BHR05, Bür12, CMP03, CCS17a, DDP12, EG88, EFLFP09, FH10, GH09, GHT05, Joh01, JM94, KDT17, Kim07, Kim12, Kwe00, LCHR03, LS12, LY03, Moot04, Neu88, Roz05, SS00, SZ09, WH13, XL11, YSBL14, ZCZ15]. Postprocess [dFN00]. Postprocessing [CJX11, GANT02, YS09]. Potential [Man96, BP85, CHPV09, CJL13, D97b, DS97b, FJP17, KK02, LWD09, LN08, ST14b, VZ93, dRT99]. Potentiality [BT97c]. Potentials [AES15, AEMX17, CCP04, EP15, FvdMS17, Gia12, Kan00, MZZ17, RV15, RS00, RU15].
Powell [BFGP08, LMS09, MB10, PT09, SST09, SST15, Spe12]. Power [DRC85, BL06, CFV10, CL88, Lon88, Mat91, ST09a, Wen10b, Win04]. Practical [Iga85, CK06]. Prandtl [CMP06, FHM+02, PR89, RLSS06]. Precision [Var92, vdHMD99].
Preconditioned [WWSO7, AG12, AG05b, CR05, DW00, HY91, YG95]. Preconditioner [BTMT08, A906, BLY17, BG11b, BCS16, D905, D909, Dor91, Fu99, GS92, HY92, HvdHV10, KKP07, KM16, PM03, SWX00, Ste97, Wan05, WCXL09]. Preconditioners [Elm02, AK09, BT99, BS10, Bu17, Cal15, CR05, Cao07, Cao09, Cao10, CES91, CH01, DdSF07, DJ10, EVO04, EVO06, GGM07, GCP91, GGR97, Haa97, Kos02, MB10, MD96, NR14, Os97, PS09, Sim04, ZNK02, de95a].
Preconditioning [AES13, KK09b, NR12R1, OKS10, San03, ASZ15, Ba96, BT93a, CD18, DB97, DDS89, DSSC13, Gen10, GKM90, Guo96, HLM09, Huc99, KJ99, ML91, Mnn00, Not99, SW98, SH02, Tur93, WZ02, Zha00].
predictors [HR06]. Preface [AMT05, AGH+10, ADG+16, An00f, An00g, An10, AM05, AM08, BGS14, BKV08, BC94, BRZW10, BR09, BH912, But94, CPS02, CP03a, DJ17, GHR06, GCJ+12, GKS04, HH03, HKNV16, Jac06, JRS14, LST07, PS04, PS05, SW95c, SG02, SW02, SVW05, SVW09, Spi03, Spi04, VS04, VHA02, tRDV91a, tRDV91b].
prefractal [QAE+09], preliminary [QLL+08]. prescribed [Tol04]. prescribed-order [Tol04]. presence [Maji7a, Neu88]. present [Son00]. Presentation [KW12]. presented [Wen10a]. Preservation [HXW15, Rei99, BMQW16, Ber04, Mat08].
preserve [Rob10]. Preserving [Ber05, ABK12, AB14, BK12, DL06, DF92, Gje07, H912, HMT03a, HMT03b, Hua09, JK14, KGR8, KT05, KMG09, KP01, MDP10, MD911, NBN11, PA05, VL08, WH18, ZM17]. pressure [BC01, CKS05, GP00, GRGJ02, GS18, HL08, KS02, LA11, LY16, RBC02]. pressure-velocity [LY16]. preventive [KN08]. prey [CL02a, Wan09].
prey-predator [CL02a]. prices [LL15]. Pricing [ZO14, AL03, AD99, BAD13, BV06, CXZ15, CPOG017, FV01, GGO13, KKT16, RP17, ST11, ST14a, TGB08, ZW09, ZGO12].
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, DNW18, Shy91b].

**Problem** [BH85, YK04b, AH09, AMRR18, AB15, AHS03, Ant13, AC18, AL98, AKL08, AMV03, AP08, AS00, AFLG12, BF01, BBD18, BM13, BGDG04, BM00, BRS05, Ben02, BGM09, BCS05, BLY16, Bis11, BR94, BJ00, Boz11, BS97b, BSZ15, BSL04, BP05, CFRA08, CL08, Cun08, CGN03, CKP15, CMP03, CX01, CH07, CJKX11, CH04, Cop03, CF05, CF13c, CF14, CA15, CA16, CG14, DY17, DT15, Du11, yDqGuJT09, EM05b, EW08, FHM02, FL15, FBS09, FHI0, Fer93, Fer96, FBMI7, FFQ09, GS15a, GLV06, GMM09, GMS12, GS18, GOP06, GL17, GGG16, Guo00, HS07, HLZ14, Han87, Har09, HILK13, HJ06, HK85, HX11, HLC01, IV16, Ins97, JP08a, Jes93, KS91, KP106, Kim94, KS09a, KNP16, KKN17, KS01, KS04, KCW16, KRKB16].

**problems** [KW93, Kwe01, Le 12, LL98, Lei02, LPZ00, LMA18, LW18a, LO03, LK07, LLL12, LYY15, LW18b, LP01, Luc95, MM18, MG00, Man97, Map05, MRN14, MN03, Mat05, MM02b, MS08b, MOSW00, Mol95, MCC12, NS03, NS12, Nj13, Nja88, OQP04, PS00, Pic05, Por17, QC12, QL15, Ram96, RSL98, RTU15, RBT15, SSSZ16, SG00, SR88a, Se14, SC08, SJ18, SK01, St096, ST08, Tia15, TT03, TM15, VSG17, VR01, WW05, WN12, WL16, WQ17, WW14, WT17, Wu09, YLL09, YL13, YJJ18, ZT15, Zar17, ZG92a, ZC15, Zhe07, Zho17, Zho18, Zou11, vBvdZdB08].

**Problems** [De 88, Gus88, Per88, SM85, ALMM01, AP16, AL09, AB97, AGJ12, AvLqW18, AES15, AEXM17, AMC02, AMP03, AMCR17, AB09a, AMV17, AMR14, AT93, AS18, AD99, AG05b, AC08, AP10, Aug89, ABG15, ABRW18, AMS14, AL05, Bac17a, Bac17b, Bac18, BC12, BS14b, BLS17, BY00, Bar09, Baz03, Bec18, BBV05, BHN01, Ben17, BC08a, BGG12, BC04a, BDF89, BW96a, BCT16, BW97, BC08b, Bic16, BCC16, BGH08, BMRI7b, BTMT08, BKP14, BS97a, Bla00, BBR97, BBD08, Bog00, Bog12, BMMZ06, Bos09, BBLT15, BR90, BJ01, BT95, BT98, BM09, BJ01, BJ03, BM06, Bur93a, BT00, Bus06, BC89c, BS00b, BR05, BD17, Cag89, CRS15, Ca03, Ca07, Ca09, CP97, CL85, Cas96, CW98, CM02, Cas06, CS94, CP05b, CES91, CM00, CP07, CJ18, Che96].

**problems** [CR05, CK98, CC04b, CZ04, CM14, CL09, CM14, CPO15, Che12b, Chm17, CH13, CJK15, CG16, CN99, CN17, Cui04, DJ21a, DPPR16, DDHS97, DPP12, DA18b, DW15, DS07c, DMPSC16, DSW96, DS15, DP90, DY03, DL06, EHM01, Elmo2, ECB07, EG88, ELO90, EH06, Ewi91, EL94, EGH01, FMS18, FW08, FHK05, FL05, FD07, FHM02, FdSB02, FMP04, Fra04a, FG09, FLR08, Fra14, Fra16, Fun94, GAM104, GMZ11, GMG02, GMG04, Gen10, GAW09, GS98, GDDL01, GPMPR03, GML00, GUT06, GH02, yGpY09, GH00, HAB98, HKO12, Har98, Har10, HOS99, HM01, HSS04, HW06, HMv03, HK83, HM00, Hig93a, HL02a, Hn95, HO05, HOS11, HY01, HCX03, HB09, HMW05, HLS16, HK09, HSY18, I018, Iga85, Im000, IT16, JJ94, JP08b, JS09, J909, JK14].

**problems** [JL18, JR02, JCR03, JNCP03, JM94, JV09, KDT17, Kat89, KOR18, KG90, Khe91, Kim07, Kru15, KL09, KWW00, KCC04, KP03b, KM11, KK02, Kur98, KS03, LHH96, LWT07, LHC09, LR09, LV12, LKV01, Lau17a, Lee94, Lei99, LB00, Li00a, Li01a, LY08, LMWZ10, LW17, LHC17, LT07, LC99, LMSW17, LS07a, LX09, LS99b, LT01, LY03, LQCJ12, LT05, LMP99, LT93, LMG02, LA09, LJ95, LOM98, MH16a, MOS02, MK14, MH14, MA09, MS03, ML16, Mar94, MS00, Mat86, MS90, Mat09, Meh08,
problems
[Sac93, SAG86, Sam94, Sch93, Sch09, SKAW12, Sch16b, SWE05, Sch95a, SWW17, Sha98, SLJ11, pSLQJeY16, SWW16, SJ11, wSJ15, Sim04, SD09, SKW17, Sol15, SZL18, SW85, Sub04, SvvdVvD06, SL01b, SW05, TL07, TDC13, TLV92, TK05, Tsy98, VO00b, VV02, VVD95, VS94, Vej10, VBH96, VSeYD02, Vui92, Vu95, Wan07a, Wan07b, WCXL09, WL09c, Wan11, WZ14, Wan17b, WCSQ18, War92, WWL508, XFLC00, XCS5, XXQ17, YGY15, YSL14, YZ17, YC16, Yos00, Yu99, Yua93, YD07, ZG92b, ZMC13, ZL18a, ZPT92, ZWL11, ZXC1, Zla85a, ZCC11, FG96].

Procedure
[Pot85, BFA93, BS94b, CKB12, DSZ15b, DSZ15a, HP15, Kim94, LR87, Par04, SW85, TK05, ZQLK11].

procedures
[BSZ15, CIJ17, FS05, GGO12, GGO16, LP97, Nor97, Rha99].

Proceedings
[Ano02g, FG96].

Process
[Bie87, BF17, BR210, BK15, KL87, LY15, OR18, PGC01, RW87, RSP90, Zha96, ZGO12].

processes
[ABD16, BLM17b, BZ91, CKB13, KSSS16, RV13, ZO14].

processing
[Alt85, Bla01, BCR01, BSS15, CF13a, Duf90, JP17, LN92, Sac14, Sid06].

processor
[VP91, Win92].

Product
[TMD92, AAD14, BS05, Fu99, GCHR06, GVS196, GKA17, MN03, MC17, RG02].

production
[BDM03, KN08].

products
[Gil91, Goo90, Mar90, WGB99].

Professor
[CHM90, EST15].

profile
[BN03].

profiles
[CDV00].

program
[HSMW99, HSO2].

programming
[BSZ99, Car09b, EB12, GS99b, GT02, GL17, KS91, KS10, LLS96, LRT99, MM16, Ren99, SZ99, VB99, Zha07, dRT99, ZNK02].

progressive
[EW97].

Projected
[TMM15, CCM02, KP03b, SS12, Yu08].

Projection
[dAF14, AMR14, AL17, BJ02, BLW07, BS91, Cai15, CM07, ÇK13, GV04, Guo15, HL08, Kan89, KL09, KR18, LA11, MM18, Mat09, Min04, SEG02, Tob14, YC16, YLS09, Zha14, ZHI14].

projection-based
[ÇK13, YÇ16].

projections
[CH87].

prolongations
[Ste08].

propagating
[RAS99, SM13].

Propagation
[AL87, DE06, Gus88, AD15, AD01a, Bboh03, BCJP18, CH89, Den07, FMS18, FJ09, GL93, IJ14, KS89, KKE16, LFL14, SPi96, Ven15, Vic87b, Vic92, Wag85, Wee01].

propagations
[Son91].

propagator
[WN09].

proper
[DA18b, LZY09, SG09, SLZ10, WM07].

Properties
[GVS196, ARG00, Acl11, BN99, BF92a, BZ92, BGT97, Bre85, BT93b, BS18, Bur85, Chi12, DIR13, EGO10, Gia12, Gil10, GS15b, GPlP03, HLMKZ06, IM98, JZ96, JZ97, LBCN00, MCM12, Phi87, RO4, Rvi09, Sch93, Ske89b, SG17, TJK18, WV99, XFLC00].

property
[CMS04].

proportional
[AD99].

Proposed
[Mac86].

Proteus
[Aya09].

Prothero
[Ran15, Ran16].

proximal
[YP18a, YP18b].

proximity
[Zha07].

PSBLAS
[DSF07].

PSBLAS-based
[DdSF07].

Pseudo
[RZ04, ST86, Boy15, Con01, CX08, ER18, HS17, HSO9a, 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
[GP03].

Pseudospectral
[BMV06, HTO0, AT15, Aug89, Boy91b, CD00, DDS89, DHL00, EES05, Elg17, Fun90, GT93a, JR00, KS09a, Mar93, MZK05, TX18,
jWyG08, jWjJ17, YH00, ZL11b, ZK00.
Publisher [Ano04m]. pulse [TER03, TCCW89, XC85]. pulse-spectrum [TCCW89, XC85]. pump [RVD00]. Pure [BB15, Usm97]. purpose [AA87]. pushbelt [SUP+12]. put [ALY03]. PVM [Mic95].

q [MM02a, Pav00]. QED [Sus10]. QMR [Cao98b, FN95]. Quadratic [BB15, Usm97]. purpose [AA87]. pushbelt [SUP+12]. put [ALY03]. PVM [Mic95].

quadrilateral [Bof06, MCS06, SN04, TW00, Yi12]. quadrilaterals [BSGU94, GHT05].

quadrature [KM17, MO01, ADH00, Bre10, BDMGV05, BGVHN10, CMP15, CCBGV08, CL14, CHH15, Chr01, CEW00, DGV00, DBCBP10, Der92, DIR13, EC07, Fid17, HA16, HLL09, Ioa89, KCI03, Kza09, KW00, LHWX15, LHWX15, LHWX15, MMP09, RLV6, RST90, SFT15].

Quadratic/linear [IO18]. quadratically [YP18a, YP18b]. Quadrature [KM17, MO01, ADH00, Bre10, BDMGV05, BGVHN10, CMP15, CCBGV08, CL14, CHH15, Chr01, CEW00, DGV00, DBCBP10, Der92, DIR13, EC07, Fid17, HA16, HLL09, Ioa89, KCI03, Kza09, KW00, LHWX15, LHWX15, LHWX15, MMP09, RLV6, RST90, SFT15].

quadratures [DMGVPO09, Elg17, MD06, MSP10, Mi17, Wel10a, Wel10b].

quadrilateral [Bof06, MCS06, SN04, TW00, Yi12]. quadrilaterals [BSGU94, GHT05].

quadrature [KM17, MO01, ADH00, Bre10, BDMGV05, BGVHN10, CMP15, CCBGV08, CL14, CHH15, Chr01, CEW00, DGV00, DBCBP10, Der92, DIR13, EC07, Fid17, HA16, HLL09, Ioa89, KCI03, Kza09, KW00, LHWX15, LHWX15, LHWX15, MMP09, RLV6, RST90, SFT15].

Quadratic/linear [IO18]. quadratically [YP18a, YP18b]. Quadrature [KM17, MO01, ADH00, Bre10, BDMGV05, BGVHN10, CMP15, CCBGV08, CL14, CHH15, Chr01, CEW00, DGV00, DBCBP10, Der92, DIR13, EC07, Fid17, HA16, HLL09, Ioa89, KCI03, Kza09, KW00, LHWX15, LHWX15, LHWX15, MMP09, RLV6, RST90, SFT15].

quadratures [DMGVPO09, Elg17, MD06, MSP10, Mi17, Wel10a, Wel10b].

quadrilateral [Bof06, MCS06, SN04, TW00, Yi12]. quadrilaterals [BSGU94, GHT05].

Qualitatively [Pr00]. quality [BGG12, BS96a, CGCMTR02, Zup03].

quantification [BF17]. quantum [CCP04, JT06b, Lb04]. Quasi [BDRZ04, CPP02, Gar05, JJ15, Len02, MD06, DE18, BW03, BRIP08, BES18, Car94, Chu03, Cop03, CA16, Fre91, GMZ11, GLV06, GS05, Jou05, LMS09, LMP99, LD02, RR14, SFT12, SST90, SFT15, SW09a, WL13, WW14, WKP12, BMR17b, BLM17b, GM93].

Quasi-Birth [BMR17b, BLM17b].

quasi-boundary [WW14]. quasi-cell [Car94]. quasi-consistent [WKP12].

quasi-geostrophic [WZL13]. quasi-interpolants [BES18, LMS09, SST12, SST09, SST15].

quasi-interpolation [BRIP08]. quasi-interpolatory [GS05].

Quasi-isometric [Gar05, Chu03].

Quasi-linear [Lem02, GMZ11, LD02].

Quasi-Monte [MD06, DE18].

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

quasi-nonnegative [BWY03].

quasi-orthogonal [Jou05].

Quasi-orthogonality [BRZ04, JJ15].

quasi-static [Cop03, CA16, GLV06, RR14].

quasilinear [BMR17b, BLM17b].

Quasi-Birth [BMR17b, BLM17b].

quasi-boundary [WW14]. quasi-cell [Car94]. quasi-consistent [WKP12].

quasi-geostrophic [WZL13]. quasi-interpolants [BES18, LMS09, SST12, SST09, SST15].

quasi-interpolation [BRIP08]. quasi-interpolatory [GS05].

Quasi-isometric [Gar05, Chu03].

Quasi-linear [Lem02, GMZ11, LD02].

Quasi-Monte [MD06, DE18].

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

quasi-nonnegative [BWY03].

quasi-orthogonal [Jou05].

Quasi-orthogonality [BRZ04, JJ15].

quasi-static [Cop03, CA16, GLV06, RR14].

quasilinear [BMR17b, BLM17b].

Quasi-Birth [BMR17b, BLM17b].

quasi-boundary [WW14]. quasi-cell [Car94]. quasi-consistent [WKP12].

quasi-geostrophic [WZL13]. quasi-interpolants [BES18, LMS09, SST12, SST09, SST15].

quasi-interpolation [BRIP08]. quasi-interpolatory [GS05].

Quasi-isometric [Gar05, Chu03].

Quasi-linear [Lem02, GMZ11, LD02].

Quasi-Monte [MD06, DE18].

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

quasi-nonnegative [BWY03].

quasi-orthogonal [Jou05].

Quasi-orthogonality [BRZ04, JJ15].

quasi-static [Cop03, CA16, GLV06, RR14].

quasilinear [BMR17b, BLM17b].

Quasi-Birth [BMR17b, BLM17b].

quasi-boundary [WW14]. quasi-cell [Car94]. quasi-consistent [WKP12].

quasi-geostrophic [WZL13]. quasi-interpolants [BES18, LMS09, SST12, SST09, SST15].

quasi-interpolation [BRIP08]. quasi-interpolatory [GS05].

Quasi-isometric [Gar05, Chu03].

Quasi-linear [Lem02, GMZ11, LD02].

Quasi-Monte [MD06, DE18].

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

quasi-nonnegative [BWY03].

quasi-orthogonal [Jou05].

Quasi-orthogonality [BRZ04, JJ15].

quasi-static [Cop03, CA16, GLV06, RR14].

quasilinear [BMR17b, BLM17b].

Quasi-Birth [BMR17b, BLM17b].

quasi-boundary [WW14]. quasi-cell [Car94]. quasi-consistent [WKP12].

quasi-geostrophic [WZL13].
Rational [AM00, CPD+05, AMCM09, BFK11, BGVH10, CAD03, CLS04, CV88, DBCBPP10, DDBH14, HA16, IO18, IN89, Iva07, JM05, Lu08a, MN08, OGV92a, PA91, RL86, SB18, SYG+05, WT93, YR92].

rational-Gauss [DBBH14].

rationally [Sch93].

ratios [AR93, CJM88, ML91].

Raviart [BC08b, Bra00].

ray [SSW04].

RBF [BB10, CGGM17, GJ17, JK11, KCS07].

RBFs [Boy15].

RC [AKGR14].

Re [CM04].

Re-parameterisation [CM04].

reacting [TER03, dB03].

Reaction [GM85, ND85, ALMM96, ALMM98, ALMM01, AL08, ABR05, BJ02, BM01, BBRBS09, BC08a, BC04a, BW96a, BFds10, CFCH09, CdF01, Chn17, Den15, EV96, FMP04, FJ95, GAML04, GPPr12, GPAH16, HW06, HS95, HV95, JTO06a, KC03, KCJ01, KOW05, KL09, KSO4, LW93, Lan95, Lan97, Li01a, LO96, MMKN17, MG18, MOSW00, PS09, wSJP15, SG09, SG07, SW13, Str98a, TH09, TMM15, VVR08, Ve10, Wan01, WL09b, Wei09, Won08, ZdB03, ZCZ15, VK17].

reaction-diffusion [ALMM96, ALMM01, BM01, Chn17, Den15, EV96, HS95, LW93, Lan95, Li01a, LO96, MOSW00, SW13, TMM15, Wan01, ZCZ15].

reactive [CGJ16, KW98, KCC04, SW05].

reactor [MA09].

Real [LT07, MZ87, BC99, Boy06, CKL03, DO17b, DMP99, Gl094, JJ15, KCB02, Ore93, dC18a].

Real-Time [MzS7, LT07].

realization [HSW99].

reciprocity [BGH08].

Recognition [SS17].

reconstructed [DL16].

Reconstruction [CPZ17, CGGM17, GOGF03, AB12, CH87, CdCV03, DH12b, DS15b, DSZ15a, KHM+14, Kim12, LY15, RS09, RGÖS18, San03, SL17, XZL07, ZC91].

Reconstructions [AN15, BM04c, BL06, MS08a].

Recovery [Sch08a, BB94, BGS02, LN08, Nke07, ZY14].

rectangular [CYM09, HS97, PH91, ST08, WM07].

Recurrence [Pré01, BRS16, Leo10b, Lev91a, TJK18].

recurrences [Ca99b, WW99].

Recursive [FS88a, MST07, BC01, KOz94, SFT04, SS10].

Recycle [WSC09].

Recycling [SSX14].

Redistribution [Eis86, AGM95, DPPR16, RN04].

Reduce [WSC09].

Reduced [Dal13, ROz05, AW09, Bai02, Boy91a, DF11, DA18b, DS03, DOR91, DSS15, HMDv03, LZY09, MH14, PCRR17, SLZ10].

Reduced-basis [ROz05].

reduced-order [Bai02].

Reducible [Der92].

Reducing [RB12, dV95a, DS02].

reduction [AM02, AMCR17, AFLP12, BM17b, BCJW17, CH95b, CHZ06, Cha17, Dahl02, DY03, HK09, JH13, KCO16, LHO13, MVG14, MPT16, PJJ04, SJ12, Sch96, Sch89, Sim98, SSvG10, WM07, YV17, YT03, dG91, dRT09].

reentrant [MPT17].

Refinable [BN03].

Refined [SM85, BSU94, BS96a, EL94, HMP14, Jia00, Jia02, Zha14].

refinement [AA94, AS97, AL98, AGJM04, AKL08, AF89, BMGM12, BFA93, DF96, FM95, HW97, JP17, LCHR03, MOC04, PC00, PPC00, RSK14, SS13a, TRO93, VY19, Zeg97].

refinement/derefinement [PPC00].

refinements [LG09].

reflecting [Dea11, GP98, SG00].

reflection [ VIC87b, VS91].

Reflectionless [Pet00].

reflections [Waa98].

reflectivity [SSW04].

reformulations [PGP03].

refraction [An16].

refractions [ Gro94].

regime [BAD13, RY13, Sch04].

regime-switching [BAD13, RY13].

regimes [GOGF03].

region [AM03, BMM03, MMP09, ON11, Ren14, SP99, ZH15].

regional [Bou2].

regions [CP05a, CMCGTR02, CSM07, DP09, NLU5, PHI91, Yu99].

regression [DEPS15].

regridding [Fer93, TV91].

regula [CL07].

Regular [AFS00, Hig97,
Robinson [Ran15, Ran16]. robotic [BdFPSdSC08].

robotic [BdFPSdSC08].

Robust [FH04, DLM16, PFHL09, BGO13, BO04, BW97, BZ17b, CPZ17, DPPR16, Eva94, GOP06, HOS11, KOS+12, LTC03, SZ09]. robustness [EH08, Fuji02, PRGO16, WZ02].


Ross [AHT17, WMC09]. rotary [RVD00]. rotated [WCXL09]. rotating [TC03, ZB07]. rotation [Zan91]. rotational [AC18].

Rosenau [CCK08]. Rosenbrock [AMC02, AH17, CKE03, Car94, Waa88, Win91, Lu98a]. Rosenbrock-type [CO10, AH17, WMC09]. Ross [AHT17, WMC09]. rotary [RVD00]. rotated [WCXL09]. rotating [TC03, ZB07]. rotation [Zan91]. rotational [AC18].

Rosenau [CCK08]. Rosenbrock [AMC02, AH17, CKE03, Car94, Waa88, Win91, Lu98a]. Rosenbrock-type [CO10, AH17, WMC09]. Ross [AHT17, WMC09]. rotary [RVD00]. rotated [WCXL09]. rotating [TC03, ZB07]. rotation [Zan91]. rotational [AC18].

Rosenau [CCK08]. Rosenbrock [AMC02, AH17, CKE03, Car94, Waa88, Win91, Lu98a]. Rosenbrock-type [CO10, AH17, WMC09]. Ross [AHT17, WMC09]. rotary [RVD00]. rotated [WCXL09]. rotating [TC03, ZB07]. rotation [Zan91]. rotational [AC18].

row [BS91, SEG02, GR93, GH91, SW98, SBG09, WSP97, Wen05, ZX09].

ROW-code [WSP97]. ROW-methods [SW98, ZX09].

ROW-scheme [SBG09]. ROW-map [WSP97]. rows [KS91]. Rüdiger [GR02].

rule [AC10, Ioa89, RS09, Str98b, van96a].

rules [AGU15, BT97c, BDMGVO05, CMP15, CEW90, CBHY11, Der92, ELM+15, FLMR14, GVSL06, KM17, KCI03, LA09, MA14].

Pell15, RdAP96, SST12, The17, VD95]. run [LWD+09]. run-time [LWD+09]. Runge [But97, Gar10, KM18, WBCK02, AH11, AM95a, AB17, AL96, AMP93, AMCM98, AH17, ARS97, AFF92, BMW96, BDGP96, BT97a, BDP99, BJ05, BZ93, BY96, Be97, Ben98, BC08a, BGO2a, BCR91, BS92, Bos09, Bot97, BJ11, BO11, Bru93, BJ03, BB96, BB98, BU96, BW96b, BW96b, BC97b, BT97b, BCB98, BS93, BS92, CMR94, CH95b, CIZ96, CDG01, CG95, CCG13, CV95, Cas96, Cha96, CCM92, CG13, CCS17a, CS93, Coo99, CST97, CN11, CPR93, DLI12, De88, DVV93, DS05, DR09a, DR09b, Dia95, DM11b, Du09, Eir95, EH97, FS05, FS09, Fr94a, GCHR06, GMG04, GJ00, GMPR95, GPRMR03, GPHAM12, GML00, HZ96, Hig96, Hig97, HR06, HS09a, Hoa15, HO05, HWX15, HHW18, Hor98, Hor05, HEJ96, IRC12, IQ17b, Jac93, JYK96].

Runge [JVZ97, JKN94, Jay95, Kau93, Kau95, KCL00, KCI03, KM15, KS89, KS09c, KKR15, KNO96, Lab98, LX08, LW17, LP97, LO96, LS05, MK99, Mur98, Ore93, Oot93, OT02, Pan07, Pat98, Pat00, PCR17, PJB04, PAJ12, PCR17, Ran16, RST98, Sch02, Som86, Som93, Sp96, Tsi01, VDV98, WV02, Van00, VZ93, Ver96a, Ver06, Ver96b, WGK12, WY11, WSW96, WX06, YC13, Zen93, ZF11, ZFX7, ZC99, in92, in96, vSC92, vS93, vC93, vS96, van96, vdSv95, vB95]. running [CRU15]. rural [CCM17].

Rutishauser [AC10]. RWPM [HK93].

Ryaben'kii [Tsy96]. Ryaben'kii [An000h, EST15].

s [MZ87, Tsy96, DE18]. Sabin [BFPO8, LMS09, MB10, SST99, SST15, Spe12].

Saddle [DJ10, AL05, BM12a, Cao03, Cao07, Cao09, Cao10, Cuo94, Elm02, OG08, Sim04]. saddle-point [Sim04]. saddles [SSL93].

Saint [FCX06]. Saint-Venant [FCX06]. sampled [RS09]. sampling [AQJ18, KK02, QL16]. sampling-based [AQJ18].

sandwiches [NBP94]. SAOR [Yua93]. Satisfaction [PT09]. satisfying [BRS16, SG16, Str98b]. saturated [MCM12].

SAOR [NBP94]. Satisfaction [PT09]. satisfying [BRS16, SG16, Str98b]. saturated [MCM12].

saving [LCJQ12]. scalable [DHS05]. scalar [AKG14, Bac14, BP85, CP97, Die15, KKR15, Ric91, Tan01, TDC13, TSA13].

scalars [MA04]. Scale [BHV06, WBBM88, AB10b, Bai02, BM+17a, BHSW16, BT02, BJ11, Dat99a, DW15, Ewi91, FTB97, FBM17, Gen10, GT02, Ha08, KM11, LP05, Lei02, LS13, LCQ12, MPG+16, Per99, PS03, Pu05, RMK09, SM89, Toc01, van95].
Scale-invariant [BHJJ06]. Scaled [GP93]. Scales [RMM12, Boy91a, JEG10]. Scaling [BLP01, BMM03, BSZ99, PCR17, SW09b, Wei09, dRT99]. scattered [BE09, CPZ17, DR93, LN08, PS02, PS03, ZHLO8].

Scattering
[FWdMS17, BBLT15, CWM09, CM14, CAAT16, DH12a, GAW09, HD04, HM86, HMP14, IT07, KJL12, KNP16, LGH11, MP05, Map05, Ngu15, NT16, QC12, QL15, Rat13, Tah06, VT91, WN12, WL16, WQ17].
scheme [AA05, AKG14, ACMR06, AR05, APJ09, BF92a, Bar09, BK09, BRJvB87, BMMZ06, BP97, BMM08, BBKS07, BC97a, BS18, BC97a, BS18, BCS06, CGT13, CNF14, CFS13, CNT07, CRU15, CCL04, CMCGTR02, D8av98, DMG18, DHM09, Duf90, DJ14b, FVGS13, FP02, F93, GLW14, GM18, GS94, Guo00, HKO12, HS86, Hol01, HLMKZ06, HJKW17, HV89, Ito17, JI17, JK17, JT02, KS00, KD13, KW12, LD1W16, LP009b, LMA18, LS09b, LSGK15, LLD18, LE94, LP01, MPD10, Mic03, MdD04, OR18, PKS10, PGDB08, PD01, PH17, Pow94, RZ00, RZ18, RT14, RK91, Ror06, Ros93, RO16, Sac93, SG16, SA18, SBG09, SR97, zSW06, SG17, Tan93, TX18, TH18, Ton04, TDPU17, Tow16, TY00, VVD95, VCC12, Wan07a, WL18, WS04, WG11, Yan18, YXZ18, ZW09, ZWH+17, JZH18, Zha01, ZLL17, ZGDL17].
scheme [Zla85a, ZR15, tV87]. schemes [AC98, Aca12, AD08, AEMX17, ADFR18, AGM95, Ano87a, AM04, ACM91, BDMG12, BBRBS09, BCE04, Ben17, BC05, BM12b, Bor16, BSvdV99, BO11, BL06, BL08, CLT97, CC13, CGA93, CW98, CC04a, CCS17a, Czy18, Chi12, Chi93, Con04, CM04, CSS17b, DD97, DT10, DKK94, DMR18, DS15, EN09, Est95, FCX06, FG08, Fid17, FL01b, GX11, GHKM09, GPMR95, GRRN17, Gul15, HO10, HOE186, HEG16, HW15, iHT18, JL68, JL87, JT15, JL94, KGR08, KMR09, KCL00, KOC3, KL07, KM18, Kra92, KR12, KKP17, KLSW06, LCVG01, LY10, MOS03, MM14, MV18, NRR06, Pan07, QW04, Ram94, RGOS18, RV05, RTO15, RUS95, ST14a, Sam94, Sch93, SUP+12, SM93, SS94b, SZE+92, Sid02, SDK15, SHG86, SLZ10, SGN06, Tah96, Tan01, TGB08, TZA13, Tol03, Tol04].
schemes [TH09, Tou10, TJ12, Tur86, VV02, Ven15, Vnl92, WB03, YDWW17, YH07, ZM17, ZLG15, Zla85b, iW07, iV09, IW90, iM13, vSW90]. Scholes [AAM03, Bis11, iV09]. Schröder [CP94]. Schrödinger [ZCSH11a, AT15, ÁMS14, ÁMS17, BOEP00, BZ17a, BS09, CGP15, CCG13, CJL13, Du90, Ehr08, FI03, GT15, GX11, GLW14, GM16, HLMKZ06, HJKW17, HJL18, KLSW10, LZW17, MZZ17, MP11, MG97, Mo98, Sim91, WL18, WH18, ZCSH11b, ZR15]. Schrödinger-type [Ehr08]. Schur [Cao09, Cao10, CG89, GM87, KMS10, RZ04].

Schrödinger [ZCSH11a, AT15, ÁMS14, ÁMS17, BOEP00, BZ17a, BS09, CGP15, CCG13, CJL13, Du90, Ehr08, FI03, GT15, GX11, GLW14, GM16, HLMKZ06, HJKW17, HJL18, KLSW10, LZW17, MZZ17, MP11, MG97, Mo98, Sim91, WL18, WH18, ZCSH11b, ZR15]. Schrödinger-type [Ehr08]. Schur [Cao09, Cao10, CG89, GM87, KMS10, RZ04].

Schrödinger [ZCSH11a, AT15, ÁMS14, ÁMS17, BOEP00, BZ17a, BS09, CGP15, CCG13, CJL13, Du90, Ehr08, FI03, GT15, GX11, GLW14, GM16, HLMKZ06, HJKW17, HJL18, KLSW10, LZW17, MZZ17, MP11, MG97, Mo98, Sim91, WL18, WH18, ZCSH11b, ZR15]. Schrödinger-type [Ehr08]. Schur [Cao09, Cao10, CG89, GM87, KMS10, RZ04].

Schur-complements [GM87]. Schwarz [AK95, CC18, DSe07, DLN04, DSS15, Heu00, HH10b, KKP07, KFOF02, LHH96, MOS02, Mai06, Mai09, Mar95, MOSW00, MLLB97, NMB10, QL+08, Wan05, WCX09, ZT06]. science [KAS17]. Scientific [BJS12, CFTW08, LST07, MH99, MM16].

Scott [BL08]. scrambled [Sch08b]. SDE [AH17]. SDEs [DR09a, KP18, RO16, ZM17].

SDFEM [FL08, ST08, ZMC13]. SDIRK [CPP02]. SE [QM10]. Search [DIJ12, Bur93b, Fer14, HP15, Sch99, SXP09, WZ16, ZH15, ZP12]. seawater [AMRR18, MN14].

scant [CSO07, No08]. Second [AKG14, Beg00, BMPR15, FJP17, yGqWsW05, ITZ17, TDPU17, AH11, ABH14, AH15, Abu04, AB88, AT13, AD18a, Bac17a, Bac17b, BHR05, BRBM08, BBKS07, BMM97a, CGA96, CXZ17, CJ19, DR09b, De05, Den93, DC09, EHM01, EH91, EH07b, FW08, Fer93, FG09, GP06, GGR97, Guo00, yGpY09, Gwi09, HKO12,
second-degree [Kin94].

Second-order [EH91].

Secondary [DRC85].

Section [IJ14, Lin10, Meh08].

Sectorial [Auz03, BG02a, Chn17, PGA93].

Securing [GL93].

Sediment [BDES12, KDAK16].

Sedimentation [Die15, MM14, RBT15].

Segel [MDRR11].

Segmentation [BCM04, LK14, SMA01].

Segregated [vdHVW01].

Seismic [SR88b].

Seismograms [Abr93].

Selected [FJ97, ND85, vdHSW98, KW12].

Selection [BBPR05, BT97b, Czy18, Fdi97a, HL97, San18, Söd06, WPL16].

Selector [YP18a, YP18b].

Semiconductor [GW03, BAP+06, ZAB15].

Sensitivity [BB10, HO16, LPZ00, SMEN04, Toc01, BBPR05, CHZZ06, FTB97, GFB99, JLH13, LHÖ13, MP96, TLP18a, TLP18b].

Sensor [RSJ+06].

Sensorineural [BF09].

Separable [AMR12, BD17, GBDB97, SB14, SY07].

Separated [Eng11].

Separation [KL87, PM03, EWO8, GS07, OK98].

Separation-of-variables [PM03].

September [Wen10a, vdHSW98].

Sequence [Bak86, Ber85, BZ94b, BZ96, Bret02b, Dra91, Fdi97a, Gil91, GM94, Hua98, Lem02].

Sequences [BL86, BKP15, Dés08, DJM09, GGM07, Jéz04, JT09, Lav94, Mar99b, Sch08b, SSX14, TJK18, Wen10a, Znu95].

Sequential [BMGGG12, BT97c].

Series [GGS16, RB12, AR93, BP02, Bor10, BW15,
Boy06, Bre02b, CFV10, CM06, CL88, DK11, Gil91, HW93, JK94, LG87, Lon86, Lon88, Mat91, Mr505, Moo95c, Mur99a, Mur99b, PCA10, Pr95, Sch98, Wen10a, Wen10b, WB90, Wo010, YR09, ZJ10.

set

[CP07, DMH18, DLP06, FM07, FMU15, GT02, GKL07, HMM05, KM11, MCS06, MPG+16, Sch09, TL07, ZWL11].

set-oriented [MPG+16]. set/moving

[PH15].

set-oriented [MPG+16].

set/moving [PH15].

sets [CP10, Eng11, HP97, SL08, Zup03].

setting [AD04, GC15].

settling [BCS06].

Seventh [CFTW08].

Several

[KC94, CKM10, Dar90, Kid90a, Kid90b, MDD14, Ros93, Str98a, Xu13]. SG1 [Zar99].

Shabat [FvdMS17].

Shading [CP06, GV04].

shadowing [HJ05].

Shadows [SSL93].

shallow

[AQS94, BDMG12, Beh97, CFXZ06, CMM17, FCX06, HL03, IM00, Lemo1, QLL+08, STS00, SCT05, SW12, Tou10, VCA12, ZGDL17, de 92b, vdHS01].

shallow-water [Beh97, QLL+08, SW12].

Shanks [BRZ17].

Shannon [CPOGO17].

Shape

[CP06, DF92, GM08, GMZ08, PG06, Rat13, TLP18b, ZWL11, GM10, KP01, Mel08, PM05, Rya00, WM08, GV04].

Shape-from-Shading [CP06].

shaped [BDSG09, DH12a].

shaping [EH05, LT07].

shared [JP93].

shared-memory [JP93].

Sharpening [FP02].

Sharpness [FNT06].

shear [KC94, LBCN00].

shear-layer [KC94].

sheet [CDV00].

shells [FSB97].

Shepard [DDNZ18, Zup04].

shielding [RU07].

Shift [BLM17b, WPL16].

shifted [BLY16, BB10, ER18, EVO06, HvdHV10, PH17, SSSX14, Tow16, WPS18, vdES04].

shifted-Laplace [EVO06, HvdHV10].

ship [Mot17].

Shishkin

[FR01, Len00, LS99b, NS03].

Shock

[KXR04, Sal93, CSM96, Gro94, K13, KCJP01, KOW05, Qu196, Sod91, XLK07].

shock-capturing [KDI3].

shock-induced [KCJP01].

shocks [Kop89].

Shooting

[ABRW18, ELLE02, GM93, GGM95, HK93].

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, Sod06].

signals [Pul05].

Signorini [BRS05, KPR06].

Silicon [CB99].

SIMD [Ney95, SD93].

SIMD-type [Ney95].

similarities [Gab02].

simple

[Ban97, DSZ15b, DSZ15a, Lun13, LS12, LS93, LFX15, Van92, Win01].

simplex [DhW09].

simplicial [MKH16, PC00].

simplification [DEPS15].

simplified

[FP95, LH02, Zha01].

simulate [DA18b].

simulated [Dah02, GOGF03].

simulating [FPRA09, Pul05, SWFK13].

Simulation

[CF86, CL02b, DRC85, MH99, MD00, QW04, Ta’86, Tse00, WM08, AQS94, Ari04, Arn95, AS06, BGM+09, Boh03, BBL02, CCK03, CMM17, DS07a, Den07, EWW99, FKA+13, FMSV07, FJH+01, GG95, Gro94, HLR18, KL07, KTS03, LCG01, LA12, LT00, MH04, Min87, NRWF08, OK98, QM03, RI02, RR00, RVD00, Sch91, SUP+12, Son91, ST05, Sp09, SH91, TER03, TYK01a, VV95, Wag85, XLI07, ZdBT03, Zha96].

Simulations [WVBM88, AF04, CS01, PKS05, De 02, Kar89, KC94, KKE16, LS07b, MNR14, NC16, NDR09, SYG+05, SM98, Tia15, TSFB01, WK00, Zan91, ZQKL11, dB03].

Simulator [Nak05].

Simultaneous [ASZ15, KN08, CP94, DO17b, KY17, PSR04].

sinc

[AT13, Boy91b, MLB97, Ril92].

sinc-Gaussian [AT13].

sine

[Bac17c, Boy07, DC18b, Har00, LZ18, SLW17].

sine-Gordon

[BC18, DC18b, SLW17].

Single

[KKN+17, AM99, BC12, BN12, GGN12, LL98].

single-phase [LL98].

singly

[BC97b, BC00b, FS08].

singly-diagonally-implicit [FS08].

singly-implicit [BC97b, BC00b].

singular

[Aff94, AL95, ADR17, AFS00, AAD14].
AM10b, Att97, BWY03, BLM17a, BPTT15, Bru07, BKW06, BRW17, BR5+18, CHLX07, CJ90, Chi12, CP17, DLPV17, ELR+15, FHM+02, Fat10, GS08, GLM90, GGS16, HM87, HM09, Jad94, KV07, KX91, Kat89, KKW00, KBG04, LD97, LO03, LMSW17, LNZ12, Maj14, MO17, Man96, Mok17, PPT02, PT11, PT16, PT15, Rab94, SW17, SY05, pSLqJcY16, SVB17, Sid90, Sid14, SS16, SW03, Sto96, TMD92, Tan93, Vas17, Vul92, Vul95, Win01, Yos00, ZG92b, dAF17].

singularities [BH97, KM17, LH02, LHWF08].

Singularity [RLSS06, CKK10, Has09, HY01, KLSW10, PA18, YT03].

Singularly [Rei85, AL98, ´AMS14, BM00, BM01, BO04, BBRS97, Bog00, GOP06, Kau95, Kau97, KS04, Li00a, Li01a, LT01, LW95, MOSW00, MPM16, Mus11, OS08, OQ15, PZMX16, Pap95, RK08, RC18, RTU15, SK16, YZ17, Zar17, ZCZ15, ZL18a, ZLG15, ZX14].

sintering [Zha96].

SISO [De 06].

Sivashinsky [AS04, Mar93].

Six [MS03, Bri85].

six-dimensional [Bri85].

Sixth [SA18, AHR12, BM06a, CHSS01, CST97].

Sixth-order [SA18, BM06a, CHSS01, CST97].

size [ALM04, AFS02, DS07b, Den07, GPPR12, HOS99, HLR01, Hor05, KP18, PAJ12, RA99, Wai08, WK02].

size-binning [DS07b].

size-structured [ALM04].

sizes [Sha85b].

skeleton [PC00].

skew [Kru99, KCB02, Zan91].

skew-symmetric [Kru99, KCB02, Zan91].

Slater [CPD+05].

slightly [BB10, Kie17, de 95a].

slip [LA11].

slope [CY18].

slots [CDJT06].

slow [KOW05, SKW17].

slowly [Wo10].

Small [PGM86, AKGR14, BBLT15, Pav00, Zar17].

smallest [KBG04].

Smith [AMD10].

smooth [BBLT15, CL14, Dar00, FvdMS17, GANT02, KR18, MD06, Mat86, Ram12].

smoothed [CDF00, GJV08, LL06, SKR+16].

smoother [BS97b].

Smoothers [Bre02a, ABC18, BG02b, PRGO16, RGL16].

Smoothing [DLPV17, GSR00, CRS05, Haa97, KM95, MYSC17, Phi87, Wal95, Zha97, vSW90].

Sobolev [AyLqW18, CMR12, Che12b].

DMR10, Ren13].

soft [KJL12].

Software [Enr06, FN95, NT92, SC96, BDF89, HK93, MLK06, MP96].

soil [MCM12].

solenoidal [MM07].

solidification [CMP06].

solids [MR06].

solitary [AD01a, CGP15, DLM02, EZ03].

solute [DA18b, DFC09, FLL11].

Solution [AO91, BBD08, Bre06, Che96, Fre04, GM85, Jac87, KM95, KS91, MK14, Mik97, MS99b, Nja88, PGM86, Rum87, SH09, SM85, AM09, AHT17, AG12, AB09b, ADM10, Ara99, AS00, AAD14, AD18a, BJH05, BF92a, BOEP00, BFS17, Ben04, BB15, BN06, BF92b, BLM17a, BGH08, BKP14, BDFV95, Bor02, BHR05, BLM05, BlHJ13, BTDV10, BVB10, BVRB14, BGIW18, BMM97b, BMM97a, BSP04, BCDP17, BP95, CLT97, CDP17, CG92, Cas96, CW98, CJ18, CH01, CH04, CF08, dCCSR03, CNS00, Con89, CST97, Coy12, CG14, DB97, DS17, DA18a, DMH18, Der92, Dia95, DS97a, DL13, DB08, DBBH14, DMPSC16, ECB07, FL93, FL05, FJ97, FL09, FL15, FH08, FV01, FV99, GLM09, GN86, Guo96, HGP11, HZBM05, Har09, HS86, Hig93b, Hin95, HvDH10, HW97].

solution [HJ06, Hor99, HBJ09, HST14, Is89, JL91, JRW06, Jac96, Jéz99, JCSR03, JNPC03, JMY10, Kel85, KGR0, KN16, KW95, KKW00, Kop86, Kur98, Lau17b, Lau17a, Le 12, Lev91a, LW08, LL07, LO03, LW92a, LCLW17, LT93, LP00, LD02, MPTT17, MS03, MO17, ML16, Mar99a, MVVA09b, Mat05, MR01, Mie89, MD10, MD96, MRFF17, NK11, NS12, NT92, OMP98, OHL16, PR89, PM91, Per99, Pet00, PP92, Pow94, Pul86, Rab84, RC18, RMM12, Ric08, Ril92, RBT15, SW95a, SST04, SS08a, SA90, SKAW12, SR88a, Sim91, SK91.
SMA01, Sub04, SWR11, Tho85, TK05, Tsy98, Usm97, Van92, VBD93, WB92a, Won08, Wu09, XL09a, ZML+12, ZAB15, dH95, dDF+94, dPT96, dHV13, vHVW01, vSW90, vSK97, vDV97.

**Solutions** [FF06, FFMZ13, Nap16, Ale11, AMV17, AM03, Arc06, BSGU94, Bac17a, BP06a, BM05, BM01, BSV09, Bok03, BDKM92, Boz11, BPTT15, Cal92, CHPV09, CZY08, CLP15, Chi93, Cho13, CPR93, DDS89, EK96, ESEKZ10, Emr06, FW08, FHM+02, FJS99, Fuh01, FL01b, GANT02, GJR03, HJ05, HdsR17, Hor02, Hu99, HT00, IV16, JR00, JR02, KX91, KJI12, KO92, KS04, KK86, KP15, Lan95, LLHC17, LSL11, LS07a, LRE04, Lyn92, Ma03, MDRR11, ML16, Mat86, Olv92, Pat98, PM14, RZ15, RT90, Sth01, SvdHN86, STS00, Tem15, USHT03, VO00b, Wan01, Wan07b, YK04a, Yso00, ZL18b, ZPT92, ZLG15, dVA02].

solvability [Sch98].

solve [AMCM08, AM10b, Chn17, DG10, Hua98, Sch95a, SG09, SL08, Zha96].

solved [Bic16, BCC16, BDN+97, De 93b, FHK05].

solvents [Per03].

solvers [CH15, Eij95, Fac03, FPS15, HKZ08, KPR06, KCB02, LWD+09, MP05, MR92, Nak05, Pcb16, Sth04, Sa00, Sim98, WP99, YG95].

Solving

[AS13, AD18b, BH01, Ben02, BW96a, BC16, CSS87, DS07b, DS03, EW08, HY01, IM98, Koz94, LW92b, LW18b, ST01, Sha05, SY07, YL13, Yu99, Yu08, AA05, AK09, AT93, AC08, AM03, AP109, BLW07, BLS+17, BES18, BGGG12, BG13, BM04b, Bog12, Bog16, BRBB18, BS93, BM09, BCSN16, BC89b, Bur93b, Cao98b, CL07, CHH15, CXZ17, CMCGTR02, Cu95, DT15, DA16, DS15, EAS12, EHM01, ER18, EG88, ELE02, EMMK01, EVO04, EH09, Fdh06, Fer96, FG09, FV87, FF09, GKA17, GFP18, HV91, HR96, IVA93, JL17, Kan89, KOR18, KSSM16, KS07, KSSS16, KFOF02, KPR12b, KS09b, Kas17, Lee94, LY17, LT01, LYK17, LP97, LL02, MCS16, Mar08, MP98, MEO08, MOU14, MN08, NLS18, PM05, PR00, PV93, Ph91, PPC00, PT95, Pout00, PB10].

solving

[PG02, QM10, RO17, RZ18, Rha99, RS08b, RT95, Sal89, Sch09, SEG02, SD11, SD13b, SWW17, SJ18, SVB17, SS16, SS13a, TDD11, Tsa91, Tsa92, Tsy96, WZL13, WZ16, XC85, YR92, YXB95, YTZ18, ZNK02, ZZW97, ZSJ04, Zla85a, Ise02].

Some

[BN99, BSFD02, BV96, BG14, BC89c, Car09b, CH90, Cve02, Fdh97b, Goe90, Gu01, HOEC86, JN02, Mac86, MM14, NY13, Nov08, SLZ10, The17, TM05, Uv92, WSS97, AB09b, AGKK94, AFLG+12, Ban97, BR01, Bre85, BDRZ04, BT93b, Cai15, CH87, DS07c, EHM01, GH91, GM95, HJS97, H98, Hor93, JP08a, J15, JM05, JT09, JV09, Kau93, KPR06, KAS17, Kza92, MRF00, Mar03, PSP05, Psw02, PT95, Rha99, Sid14, WB90, Woz98, WB96b].

Sommerfeld [IV16].

**SOR** [DO95, DO98, PPS10].

**Sound**

[Bir87, KJI12, LT05, NU15].

**Sound-soft**[KJL12].

**Source**

[BS94, BSFDM02, BV96, BG14, BC89c, Car09b, CH90, Cve02, Fdh97b, Goe90, Gu01, HOEC86, JN02, Mac86, MM14, NY13, Nov08, SLZ10, The17, TM05, Uv92, WSS97, AB09b, AGKK94, AFLG+12, Ban97, BR01, Bre85, BDRZ04, BT93b, Cai15, CH87, DS07c, EHM01, GH91, GM95, HJS97, H98, Hor93, JP08a, J15, JM05, JT09, JV09, Kau93, KPR06, KAS17, Kza92, MRF00, Mar03, PSP05, Psw02, PT95, Rha99, Sid14, WB90, Woz98, WB96b].

**Space**

[BC01, DGRS09, SLW17, SvdVvD06, vBvhZ08b, AM10a, ABM17, BS00a, BLMA17a, BZ1a, Bou02, BRZ17, BR97, BD11, CS94, CDW13, Dah02, DA18a, ELCWS98, EK97, EL94, FMS18, FD16, FM95, Fra04b, Gar03, Geo93, HST14, HL89, IV16, Jéz99, KZ13, LL98, LS10, LYK17, ML16, Mat86, Olv92, Pat98, PM14, RY13, Ri92, RJ93, RJ95, FO02, RZ17, RZ18, RO17, RZ18, Rha99, RS08b, RT95, Sal89, Sch09, SEG02, SD11, SD13b, SWW17, SJ18, SVB17, SS16, SS13a, TDD11, Tsa91, Tsa92, Tsy96, WZL13, WZ16, XC85, YR92, YXB95, YTZ18, ZNK02, ZZW97, ZSJ04, Zla85a, Ise02].
space-dependent [WZW13].
space-dimensional [ELCWS98].
space-dimensional [BD11].

"USHT03, WZW13, WSS97, YJZ18, Yu09, YDWW17, vdVS08, AS15]."

space-filling [LS10].

space-like [Man97].

Space-time [SLW17, BZ17a, FMS18, FD16, LCLW17, AS15].

space/multi [DA18a].

Space/time [vBvdZdB08].

spacetime [ALP+96].

spacewise [HP14, HM15, HM17].

spacewise-dependent [HM15].

Sparse [BG02b, CS09, Che12b, JMPY10, Zha00, AB07, Ara99, BT99, DNW18, HVY91, Jia00, LP05, LKV01, LGH11, Mag91, Mar08, PV93, SW95a, ST09b, Vas17, WZ02, YR92].

sparse-grid [LKV01].

speed [FdSB02, MS91, SM13, TSFB01].

spectral [Yu08, hYqW12, ZL11b, dFN00].

spectral/Galerkin [ASZ18, DB08, Kwa09].

spectral/hp [SA00].

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

spin-Heisenberg [Bec02].

Spline [PTV16, AB12, ADS17, BS14a, BEH3, GS99a, KQ13a, KQ13b, LMS08, TCCW89, XC85].

spatially [EV96, LSGK15, WKM04].

spatially-dependent [HM15].

special [AB17, Bic02].

special/spectral [KZ13].

special/spectral-element [CSXL14].

special-case [ADG+16, BGHR12, BGD+15, CHM09, CD95, DGW17, FFMZ13, HKNV16, KPO7, SSV97, BBR97, CJLS98, GR02, LPZ00, LST07, LW17, RGT9, SG05, Tsy96, WB90, YC13].

species [CC03].

specific [Deh05].

specific/specific [ST09b].

specific/species [CCK03].

specific/specifications [ST09b].

specific/specific/spaced [CHS17].

specific/specific/specific [MP91].

specific/specific/specific [ST09b].

specific/specific/spaced [CHS17].

specific/specific/species [CCK03].

specific/specific/specifications [Deh05].

specific/specific/specific [MP91].

specific/specific/species [CCK03].

specific/specific/specifications [Deh05].

specific/specific/specific [MP91].

specific/specific/species [CCK03].

specific/specific/specifications [Deh05].

specific/specific/specific [MP91].

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specific/specific/specifications [Deh05].

specific/specific/specific [MP91].

specific/specific/species [CCK03].

specific/specific/specifications [Deh05].

specific/specific/specific [MP91].

specific/specific/species [CCK03].

specific/specific/specifications [Deh05].

specific/specific/specific [MP91].

spectral [Yu08, hYqW12, ZL11b, dFN00].

spectral [Yu08, hYqW12, ZL11b, dFN00].
Splitting methods [GPHA16].

Spurious methods [Mul99, VT91, Wai98, CM06].

SQP methods [BdFPSdSC08, HP15, SXP09].

Square methods [Abu04, AD01b, BB94, BM04b, BS12, CKL03, Li11, Li16, MDD14, SD13a, TZA13, Waa88, WM07, WC11, Zup03, dB03, dVA02].

Sponge methods [Pet00].

Squares methods [CF86, AN15, BLS17, Ben02, CP07, CZ04, CCLT10, yDqGnJT09, HP85, Han87, HS17, KS02, KLY05, KR10, LV12, LSY17, LW18a, MOS12, MS08a, MH16b, Mon09, Mou03, PS02, PS03, Ren13, SLJ86, SWCH15, YK04a, Yua93, ZSJ04].

Squaring methods [CH04, SW09b].

SSC methods [ABCC18].

SSOR methods [BD85].

ST methods [SY03].

Stability methods [Arn93, BF92a, BT97a, BLM17a, Bor02, BSvdV99, BT93b, BJJ01, BJJ06, CCGGS11, CP05a, FL01b, GM55, GM95, Gol00, Guo15, Guo01, HMT03a, HMT03b, Jac93, KKR15, LT12, LL15, LSL11, LLD18, Mac86, MB08, MS09, MV17, OZ96, Ozt02, OTK04, GPG93, GR018, SV89, Sch93, SG00, Ske99b, SHG86, SN04, TH18, ZTO16, Zi99, iW07, iV09, iM13, vdHVW01, AH11, Abu04, AMCM09, AF09, BG11a, BC89a, BP12a, BGT97, Ben17, Ber15, BM12b, BN03, BS08, BS12, Bur85, But09, CGG13, Cha96, CZ12, DAv98, DDZK05, DR09a, DA17, DSW96, FP02, FS08, FG09, FH97, GD09, Gje07, Gu01, GGG16, GLMY17, GT18, HM00, HS95, Hin95, Hor93, HA16, Hua09, HV89, Huo02, Ise97, JJJ94, KMG09, KS89, KW93, LZ13, LZZ14].

Stability methods [LT93, LS05, LRE04, MS91, MG97, MZ04, MM07, NMSF94, NBNTGV11, NB01, NFAE03, Pot97, QR03, Sam94, Sch12, Sch98, Sid10, SW13, Sou09, Spi93, Spi97, Tan01, TZA13, Van00, Vui95, WZL08, WC11, ZZL01, ZFX17, ZP97, ZP98, dPT96, in 92, in 96, iW09].

Stabilization methods [ABFV09, De 88, AMR14, Arn98, CK13, KL09, RG05, Tia15, Tob14, XF06].

Stabilized methods [AMT13, AKL08, BL08, LW95, PAP17, SA12a, AS13, ABR05, BC01, BH12b, Cod08, GM10, HL08, HFL12, Kam16, Pic05, QMCL15, Sch93, SG00].

Stabilizing methods [Hun02].

Stable methods [CGA93, DDHS97, SGS00, SGN06, WK00, Ben96, Bok03, Cao07, CDD17, CXZ15, DLJ12, DSK12, DLM02, DK14, Elg17, ELLE02, FL04, GKH16, GAW09, GPHA06, GPHAM12, HH10a, IRC12, JJ17b, KLSW06, KL14, Lin10, MW93, ST89, SK16, Ske89a, Sx95, SCvdH92, SS09, TDD11, VDVV98, VK17, VZ93, ZZW97].

Stage methods [HR06, BJJ11, But93, CPP02, CCS17a, Ch193, FJ17, GPMR95, JM17, Lua17, NBNTGV11, Tor06, Ver96a, Ver06, Wen98, WBCK02].

Stage-order methods [Ver06].

Stages methods [Kie95].

Staggered methods [GLV06, Pou00, ASCM02, CS08, FD16, JTB15].

Stagnation methods [Meu14].

standard methods [Bra00, FM11, KDAK13, MDDR11, MZS10, Vui95, WT17].

stars methods [IN89].

started methods [TOCV02].

starter methods [vB95].

Starting methods [CIJ17, Lab98, Lab99, Sha87, GPMPR03, NH15, Ver06].

state methods [ABR18, BSS15, Cah92, CM02, CM05, Ch193, CY05, CST97, Dah02, EK97, FNT06, HHT97, HK09, ITZ17, KK86, LRE04, NT92, KY13, VR08].

state-dependent methods [ABRW18, Cah92, CST97, HHT97, NT92, KY13].

states methods [Bec02, SAG86].

static methods [AM10b, Cop03, CA16, DT89, GLV06, RR14, TV91, YTZZ18].

static-regridding methods [TV91].

Stationary methods [AAM03, Kin94, AR15, Buc17, CC04a, ...]
DNW18, DN08, EH06, HL08, HFL12, LY10, Maj17a, QAMX17, SH10, TMM15, YÇ16.

**Statistical** [GP03, Ber85].
**Steady** [CM02, RV05a, BJH13, Chl93, CY05, DS97a, GM10, HSO6, HT00, ITZ17, Jes85, KK86, LRE04, SAG86].
**steady-state** [ITZ17].
**steel** [IPL02, PLI03].
**steep** [SB18].
**Stefan** [LL98, Ros93].
**Stein** [BJ11].
**Steiner** [PSP04b].
**Steklov** [AP08, BLY16, YLL09].
**stellar** [Vas17].
**stencil** [Tow16].
**stenoses** [LT00].
**stenotic** [TYKK01a, TYKK01b].
**Step** [De 88, Jac87, AM99, AGM95, AFS02, APJ10, BJ05, Ben17, Bho12, Bok03, Buç06, BJ01, BJ03, BJ06, BT97d, BC00a, CLMSS98, CMRV11, CHZ14, CCP17, CP05a, CHK99, CJS98, Con01, CX08, CDP12, DIJ12, DP09, HHR12, GLP09, GPPR12, GT18, Hai97, HOS99, HS09a, Hao15, HLR01, Hor05, HP15, IHS13, KP18, Kie95, Leo10a, LW17, MP11, PWS02, PWS05, PWS06, PJ04, PAJ12, QAMX17, RKV15, SMEN04, SM93, SW09, Sha85b, Soü06, SS09, TYJ11, Ver06, Wa98, WL09a, WSP04, XZ15, XYT17, ZQY18, Z09, ZP12, Zuo93, van93, vdSvdH05, AD04].
**step-by-step** [van93].
**step-parallel** [vdSvdH95].
**step-size** [AFS02, HLR01, KP18, PAJ12].
**Stephan** [CHM09].
**stepping** [Aca12, BBRBS09, BSvdV99, HLT07, HJ03, KR15, LCH09, LYK17, LFS15, SUP'12, uIVS13].
**steps** [LLT07, Yu99].
**stepsize** [FS05, BG02a, BC98, BC00a, Con01, GC15, JVZ95, LMG02, MP94, SH97, Sp13, WKP13, Zha95].
**stepsize-coefficients** [Sp13].
**stepizes** [CGA96].
**Stewart** [SMC08].
**Stietjes** [DMGV05, Gil10, Not02].
**Stiff** [Kie15, AH15, Ale03, Aro96, B102, BF92b, Bos09, BDM03, BC89b, BC95, BS00b, BR05, BP06b, CL85, Cas96, FG09, GPMPR03, GPHAM12, HCX03, HS09b, Jac02, Jac96, MP94, PWS02, RKV15, Sal98, SS18, Sch93, SM93, SWE05, Sim98, TB01, VS95, WL09a, WSP97, Z09, in 95].

**stiffly** [HHR12].
**stiffness** [Sha95a].
**stimulate** [Var92].
**Stirling** [SG04].
**Stochastic** [MO16, AH17, Bie11, FV85, MA04, AA04, AA05, AB17, Abo04, Bac18, BF17, Bok03, Buç06, BS12, BB96, BB08, CHZ14, CC13b, CN11, DR09b, DK11, Fan11, Har10, HW15, KGR08, KK11, KS08, Kom07, KK17, KKR15, Lav94, LSK12, LL18, MDD14, MH04, Moo98, PM14, RP17, RKV15, TN16, TB01, TZA13, WL09a, WG10, WC11, WCU14, WGW15, YXT17, ZAB15].
**Stochastically** [Bok03].
**Stoke** [MH16b].
**Stokes** [KM16, Kni95, TLP18a, DZ12a, AH09, AR18, BC12, BM13, BB15, BG11b, BC01, BS97b, BP90, BP95, CKPS15, Cau08, CMP03, Che96, CH07, CSXL14, CHH15, CIX17, CJK10, CD13, DY17, DJ10, DS97a, DN08, Dob05, DJL04, EJS11, FD16, FFRT10, FMP04, GMZ08, GM10, GGG16, Gu00, Gu15, HZ14, HHC08, HL08, HS17, HW15, HK85, HFL12, ITZ17, Job01, Kal96, KS00, KL00, KS02, Kni94, KDK17, KN93, Kwe00, Kwe01, Kwe03, LLL08, LA11, LS12, LR00, LO96, Med96, MWYZ18, Nor97, OK98, Pas91, Pena16, PK91, Pic05, Pou00, QR03, QMLC15, QAMX17, RV04, RV05a, RK91, SS16, SGS00, SH10, She96, SA00, Shy86, ST86, TLP18b, TH18, TLV92, Ton04, UNGD08, VG04, VO00a, WY02, WT17, Wu09, YS09, YÇ16, Zha14, Zho18].
**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].
**Strategies** [Bie87, BM04c, BO11, GC15, WSC09].
**strategy** [AS97, BT97b, BD11, Bür13, C290, DF11, DEPS15, DB97, FS15, GGLR09, HR97, HMW05, MCE’09, MP94, PK91, Sch09, SK91, VO00b].
**Stratified**
stratigraphy [BVT14], Stratonovich [ZAB15].

Streakline [Din93], streamline [BP95], streamfunction [KN93].

streamfunction-vorticity [KN93].

stream [Bec18, Gas92, KN93, Par04].

streamline [Din93, Gas92, KN93, Par04].

streamline-diffusion [Bec18].

strengthened [AK95].

streamfunction [KN93].

stream [BVT14].

stream [BP95].

streamline [Bec18, Gas92, KN93, Par04].

stream [BVT14].

streamline [Bec18].

strengthened [AK95].
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, LY099, LWCT07, LG02, RZ15, Sch16a, XLK07, YCO0, HP91].

surfaces [BFGP08, CS04, CGGM17, FGPR12, FR14, GT15, HGR01, LY01, NT16, PR09, Ren14, TMM15]. surgery [MDHK06].

Surprising [Asc12]. Survey [Sid10, AAI+93, Bre96, But85, BC89c, FSU89, HJ05, Kau97, Mun00, Tho85].

suspensions [BBCS05, BCS06]. SVD [BS09, Lyo12, MMBB07]. SVD-based [Lyo12]. SVDS [PS02]. swimming [CST18]. switching [BAD13, Ry13, Vul92].

Sylvester [BLW07, DMIH18, FG13, Hey10, RS08b].

Symbolic [CBHY11, CCS02]. symbols [CLS04].

Symmetric [ADSS17, LRS09, SvdHN86, SZ99, WGKS12, AW14, AC08, AES13, BM12a, BC99, Bec02, Beg00, CM13, Cao01, Cao07, CD17, CZ04, DMGVP09, DII15, JP17, JP93, Kru99, KCB02, KW10, LM17, LDW16, LX08, Liu02, Lu98b, Luc05, Mar08, Mat05, PV93, RdAP06, San03, Sed14, Sim04, WZ16, YD07, Zan01, ZFX17]. symmetrization [CG13, GC15].

Symmetrized [BH93, HL02b]. Symmetry [Olv92, VL08, INR01, MDRR11, Mat08, Zau01].

Symmetry-preserving [VL08, MDRR11].

Symplectic [HOS99, HHW18, Ske99, ZCSH11a, ZCSH11b, ABD16, BF99, BCF+13, CH95b, CL01a, CMO0, DM11b, Eir95, Hai97, HL99, HLMKZ06, LX08, Mur99a, Rei99, SS94a, SZ97, WE99].

Symposium [CFTW08]. Synthetic [Abr93]. System [TMS87, Aff94, AA87, BS14a, BS00a, BO04, BSV09, CKK10, CH04, DN08, Eij95, EK97, Fac03, FCX06, FvdMS17, GLS09, GBDB97, HP85, HS17, HX11, Ife94, IT16, KN08, KLY05, KK09a, KCB02, Kwe03, Lee10, LMA18, Lin09, LMWZ07, MMKN17, MLK06, MO17, MT11, Mv03, Md04, Oji88, PS09, RC18, zSW06, TZ00, TK15, VMS07, Wan01, Wan09, Wu03, YTO3, ZdBT03, MZ87].

Systems [GM85, ND85, Pet87, AC98, Aca12, AW14, Ale03, ADFR18, AH17, AB07, ADM10, Ara99, Arn95, Arn98, AES13, AGKK94, AEF+14, BM12a, Bai02, BY90, BT97a, BL05, BK06, BM03, BBRBS09, BGGG13, BM06a, BR94, Bg16, BTVD10, BH93, BS93, BRBM08, BBKS07, BGIW18, BCSH16, BS12, BDM03, BWF95, BDP96, BB98, BCPD17, CFCH99, CH95a, CL01a, Cao98b, Cao01, CG92, Con89, DT15, DB97, Dav92, De 06, DB95, DV95b, DL13, DKK94, EJS04, FTB97, FH08, FM95, Fra06, Fuh01, GFB99, GP93, GQ89, Gas92, GKS09, GGM07, Gol00, GPA06, GPHAM12, Guo96, HL99, HdsRI17, HVY91, Heu00, Hig93b, HNP17, HH18, Hua00, Jac93, Jac02, Jac96, Jay95, JCN94, KL98, Kau95, KG90, Kim14, KW95].

systems [Kop86, KFOF02, KPR12b, KKP17, KW10, KK17, LW93, LT12, LZ13, LW92b, LP00, LL02, Luc05, MMP09, MP96, Man97, Mar08, MF99, MP09, Mar12, MG14, MM16, MPtM16, MP94, Moo95b, MD96, Mur98, Mur99b, NMKE13, NT92, NRZ12, OG08, OKS10, Ost93, Pan07, Pea16, PA05, PS92, PT95, Pull12, RZ00, Ram96, RKVZ15, Run87, SMJ12, Sa89, SH09, SMEN04, SS99, Sch95a, Sch02, Sch87, SEG02, Sid90, Sim03, Sim98, Sim10, SS13a, Sof17, SW03, SX14, Tar98, TDC13, Tra93, Tsa91, Tsa92, TMM15, VG04, mWyG00, WL09b, WL09a, WWX13, WSP04, WP99, WSW96, Wen98, WB92a, WB92b, Win92, Won08, WSW07, YG95, YR92, ZL01, ZN02, Zha01, dH95, dG91, in 96, vdES04, vB95, Mur99a].

Szegö
Three-Dimensional
[Per88, SR88b, TMS87, AW03, LM00, ASCM02, Bak89, BS94b, CH01, LMWZ07, Sch91, SZE+92, SvdHK94, SK96, vSK97].

Three-level [Nak05].

Three-point [Ste97].

three-stage [GPMR95].

time [BY00, BP12b, CM14, FG96, INR01, MZ87, Söd06, SvdHK94, ST86, WK02, Zuu95, ALMM98, Aca12, AMCM08, AB09a, AB09b, AL17, ASZ15, AF89, ARS97, AEF+14, ÁMS17, BHJO5, BP14, BKM13, BCS17, BBRBS09, Ben17, BDF89, BZ17a, BC01, BtTBV87, BP97, BSvdV99, Bot97, BR97, BJ01, BJ06, BCDP17, CGP15, CS94, CP05b, CDW13, dCCSR03, DD97, Dav98, DDZK05, DA18a, Dia95, DHL00, Dav98, DGRS09, DY03, EH88, EL94, FMS18, FD16, FM95, FJ09, Fra04b, FL01b, GHK16, GLPW09, Gje07, GPPR12, GPHA16, GL17, GT18, Hab08, Hai97, Har98, HILK13, HLTO7, HLR01, HR96, HJ03, HST14, HLIS16, ITZ17, Jac93, Jéz99, JL17, JCSR03, KBS11, KNT13, KZ13, Kre07, KK17, KR15, LHC09, LKv01, Lay09, Lei02, Le01a, LW+09].

time [LT07, LR18a, LR18b, LYK17, LCLI17, Log04, LFS15, Lua17, LO95, LO96, MZ17, MM18, MG97, MS08b, MVG14, MN08, MRF17, NC16, Nor97, Pae16, PB14, PAJ12, PM14, Pul05, RMC04, RZ00, RZ18, RV09, Rya00, RTO10, SM1J2, SSV97, Sar05, SA12a, SUP+12, SLW17, SW07, SY18, SJ18, uIVS13, SS17, SS08b, SA18, Su94, SvdVvD06, SW17, TER03, gTPM07, TGB08, TOca1, ÜST03, WZW13, WS18, WW14, WdG92, YS09, YJZ18, Yu09, Zan01, ZL17, ZYS17, ZXW17, tV87, vVdZdB08, vVdS08, NBNTGV11].

Time-averaging [BP12b].

time-delay [SM12].

Time-Dependent [FG96, AL17, AF89, ARS97, ÁMS17, BHJO5, BP14, BDF89, BtTBV87, CP05b, dCCSR03, Dia95, DY03, GLPW09, HILK13, HLIS16, LKV01, Lay09, Lua17, MG97, NC16, Nor97, Pca16, PAJ12, RZ00, Rya00, SS17, SvdVvD06, TER03, WdG92, YS09, T8V7, vVdS08].

time-differencing [AEF+14].

time-discretization [NBNTGV11].

time-discretizations [BVV09].

time-domain [DHL00].

time-fractional [LR18a, LR18b, SY18, SS17, WZ13, 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 [Lee02].

time-space [YZ18].

time-step [Söd06, Zuu95].

time-step-size [GPPR12].

time-stepping [ACA12, HLT07, KR15, SUP+12].

time-symmetry [Zan01].

time-varying [MVG14].

Timestepping [HW15].

Timoshenko [CF13c].

tissue [BK09, JK17].

Tocher [Bar12].

Toeplitz-type [WWLS08].

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

toolbox [EMMK01].

tools [Ber85, MLK06].

topics [Wen10a].

Topographical [HdSRI17].

topography [Ant13, DH12b].

Topological [AH09, Tan87].

topology [ZWL11].

tori [DB95, ERS00, HL99, Tru00].

Toronto [CFTW08, HEJ96].

Torrey [DA18a].

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

total-variation-boundedness [FS05].

Totally [GP17, GP93].

TR [HS96].

TR-BDF2 [HS96].

Tracing [Att97].

Tracking [CFXZ06, Dav92, Gro94, MVG14, PH15, RLSS06, SW86, WB92b].

trade [For11].

Traffic [MZ87, SG16].

transaction [AD99, FV01].

transcendental [Boy07].

transcendents [AY15].

transcription [CG16, Jéz99, Kan04, MCM12, Os97, Vas17, jW15].
transform [DO17b, GFPG18, LFP04, MPSS16, MO01, Tah96, TZ00, vI87, ST14b]. transformation [BW15, BHHS10, BW03, DLVP17, LT01, SS10, Win04]. Transformations [Bak86, Ben98, Ber85, BZ94b, BZ96, Bre02b, BRZ17, Dra91, Fdi97a, Len02, Mat91, Sim94b, WM07, XGM08]. Transforming [BW15, BHHS10, BW03, DLPV17, LT01, SS10, Win04]. Transforms [BH96, DO17a, FV87, Moo95c, VA05]. transient [DZ12a, Fai00, GRGJ02, HHC08, HH10b, SWW11, WSC09]. Transient [DZ12a, Fai00, GRGJ02, HHC08, HH10b, SWW11, WSC09]. Transport [ABJ12, AR15, BDES12, BM04a, CNT07, CG16, DA18b, DFC09, FdSB02, FLL11, KCC04, KDAK16, LC02, PdV99, PS00, SK09, SvddHK94, SK96, SW05, TDC13, Tou10, VBH96, YH07, vSK97]. transport [ABJ12, AR15, BDES12, BM04a, CNT07, CG16, DA18b, DFC09, FdSB02, FLL11, KCC04, KDAK16, LC02, PdV99, PS00, SK09, SvddHK94, SK96, SW05, TDC13, Tou10, VBH96, YH07, vSK97]. transport-chemistry [VBH96]. 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, SK09, SvddHK94, SK96, SW05, TDC13, Tou10, VBH96, YH07, vSK97]. transport [ABJ12, AR15, BDES12, BM04a, CNT07, CG16, DA18b, DFC09, FdSB02, FLL11, KCC04, KDAK16, LC02, PdV99, PS00, SK09, SvddHK94, SK96, SW05, TDC13, Tou10, VBH96, YH07, vSK97]. transport-chemistry [VBH96]. Transputer [DVV93]. Trian [SXP09]. triangle [CMR94]. triangulations [Bar12, BFGP08, Dal13, DR93]. Tridiagonal [GS08, Jac93, LV/P14, Mat05, Nak12, dG91]. Trigonometric [Han06, LZ18, Pat98]. Trigonometrically [YW08, FW08]. Trigonometrically-fitted [YW08]. triple [CMR94]. triplets [GS17, KBG04]. trivial [CM02]. Trondheim [KNO96]. Truncated [Sch89, Sof17, CM06, GLMY17, GLM18, PS02, TD09]. truncation [Bo10]. trusses [AMH03]. Trust [MMP09, AMV03, BMM03, CSM07, Otu11, Ren14, SP99, ZH15]. Trust-region [MMP09, BMM03]. trust-region-approach [AMV03]. tsunami [KHM+14]. tsunamis [FKA+13]. Tsynkov [Tsy96]. Tubelike [MMP02b]. tubes [DII15, LD1W6, LT00, TYK01a, TYK01b]. tumor [MPSS16]. tumour [LBLT13, RA17]. tuning [RTV02]. tupleware [Dow91]. Turán [MSP10]. Turán-type [MSP10]. turbine [ARS05]. Turbulence [BC93, LCVG01, DS97a, SLJ86, VV95]. turbulent [Kar89]. Turek [GKMS09]. turning [Bec18]. Two [AL95, BES18, BCC16, CL10, CPOGO17, CDP12, DPR12, DCC14, Eva94, GS15b, GVP93, HFL12, Lam13, Lan95, Le01a, LA11, LS93, MOZ87, QAMX17, SM85, T0D11, TS08, WZW13, AS11, AAM03, AMR12, ASC02, Bac18, BHHJ06, Bar09, BJ05, BM+17a, BO04, BBRBS09, BRVC09, BC05, BBLT15, BW17, BO11, Boz11, BT97d, CMRV11, CCP17, Cas96, CW98, CMP03, CDW13, Ch93, CAAT16, CL09, CF08, dC5S03, Con00, CX08, Cop03, CF14, CMCGTR02, CN15, DdSF07, DI12, DR09a, DS07a, DE06, De01, DA18a, DA18b, DMGVO05, DMGVO09, Din93, DN08, DMPS16, ER07, EFLFP09, FMS18, FdSB02, GX11, GM16, GHK16, GMM09, GLPW09, Gil10, GOGF03, GOP06, GH02, HK93, HM09, HS09a, Hou15, HK85, HLO2b, HCW16, Hua17, Jad94, JTB15, Joh01,
two
[KV07, KM17, Kat98, KSMMM16, KL09, KS01, KZ13, LCHR03, LT12, LY08, LS07b, Lua17, Man97, Mar05, Med96, MT06, MT05, Moo95c, NY13, OGV92b, OGV92a, PR90, PWS02, PWS05, PWS06, QM10, QR03, RP17, RZ15, Sch16a, SWJ09, SLW17, SZE+92, SY08, SS09, Su94, TKN11, Toh14, TJ12, TV91, TM05, Ver06, Wan07a, Wan11, WZL13, WQ17, WSP04, XC85, XL09a, Xiu08, Yua93, ZTZ15, Zar17, ZOZ09, ZZW97, ZX09, ZCSH11a, ZCSH11b, dHV13, van98].
two-[ASCM02].
two-and [SZE+92].
two-block [Yua93].
two-and [SZE+92].
two-block [Yua93].
two-and [SZE+92].
two-dimensional [CPOGO17, DCC14, Lan95, AS11, AMR12, BBRBS09, BBLT15, CDW13, CAAT16, dCCSR03, CMCGTR02, DE06, Deh01, DA18a, DA18b, Dia93, DN08, FdSB02, GX11, GM16, GMM09, HK85, JTB15, JT06a, JGK11, KV07, LCHR03, LS07b, LS93, Med96, Moo95c, NY13, PR90, QM10, SLW17, Su94, TJ12, TV91, WZL13, WQ17, XC85, ZCSH11a, ZCSH11b, dHV13].
two-fluid [CL09].
two-grid [CL10, ZTZ15].
two-level [HFL12, LA11, DaSF07, HL02b, Hua17, Joh01, KL09, Toh14, ZOZ09].
two-parameter [GOP06].
two-phase [Boz11, ER07, GKH16, GOGF03, KSMMM16, LY08, RZ15, Sch16a, SY08, TKN11].
two-point [SM85, BCC16, GVP93, Bac18, Cas96, CW98, DMGV05, DMGVPO09, Gil10, HK93, HM09, Kat89, KS01, OGV92b, OGV92a, Wan07a, Wan11].
two-points [CN15].
two-scale [BMR+17a].
two-sided [GH02, MT06].
two-stage [Ch93, Lua17].
two-step [CDP12, DP12, Leo10a, QAMX17, B05, BT97d, CMRV11, CCP17, Con01, CX08, DIIJ12, GLPV09, HS09a, Hua15, PWS02, PWS05, PWS06, SWJ09, SS09, Ver06, WSP04, ZX09].
two-stroke [van98].
type [AH17, AM95b, AAM03, AB14, Ari87, ASC03, AO91, BN09, BFGP08, Bla00, BJHJ13, BS93, Brun07, BDM03, BJ96, BC00b, CO09, Car09b, CM12, CPD+05, CH07, CM07, Cui04, Cve02, Dar90, DMGV05, DMR10, DN08, Dor01, Ehr08, ER18, EP15, Fac03, FW08, FdI97b, FCX06, Fun04, Gan09, Gol86, GKA17, yGyZ07, HHR12, Han93, HGR01, HM17, Has09, Has13, Hau88, Hig96, HLC01, HZ12, HCW16, KM17, KOR18, Kid90a, Kid90b, KLY05, KS09c, Lau17b, LDW16, Lev91a, LYY11, LLY12, Mar99b, MP98, MAG13, MSP10, Ney95, OG08, OGV92b, PPG04, PH17, PWS05, RG02, RTT01, Sch16a, Sr09, She00, SLO9, pSLqJC16, SVB17, SS16, Uty08, VV05, VCC12, WZL08, WCX09, Wan09, WMF17, WWLS08, YSBL14, YC13, YR09, Zan01, ZP98, ZQLK11, ZX14, vI87, vC93].
type [AR93, Mat91, Sin91].

U [Bec02].
U. [MZ87].
Uhlenbeck [ZGO12].
Ulm [SL11].
Ulm-like [SLJ11].
Ultra [DM12].
Ultra-Weak [DM12].
ultrasound [MDH06].
ultraspherical [KP92].
unbounded [BT97a, BDMGV05, DY03, EHO7b, FMS18, FWL18, Fer09, Gia12, yGyZ07, HZBM05, HZ09, HY01, Pec09, Tsy98, WL18, WS04, ZL17].
uncertain [FV01, ZW09].
Uncertainty [BF17, LGH11, Tar98].
Unconditional [HO10, ZYS17, iW09].
unconditionally [BRBM08, BBSK07, QQ08, LK14, Sk89a].
unconfined [AMRR18].
unconstrained [DW15, Fre91, KLS13, Oo11, Rha99].
unconventional [SS94a].
uncoupling [LT12].
under-determined [SK10].
under-field [CL02a].
underdetermined [BL5+17, CKB12].
underflow [FT96, FT06].
underlying [AO05].
underwater [XK07].
unfitted [ZCC11].
unified [AC16, Bus06, GFPG18, Har98, HP14, Mou03, SK07].
Uniform [WZ17, AD15, BH12a, BCE04, BB10, Cun95, FHM+02, FR14, Fou00, FR01, JM05, LH11, Lin01, MST09, MOSW00, OS08, RS09, SE93, SYG+05, SA18, Tro93, VL08, VT93, VU95, iV09].
uniformity [CMS04]. Uniformly [BM01, RTU15, ZLG15, HOECS6, ZX14].

Unifying [ABM17]. Unilateral [SSZ16, Aca12, CH13, Gwi09, HL02a].

uniqueness [Fuh01, Gar92, HHT97, KP15, LYY15].

unit [BRS16, CCBG08, DGV00, DBCBPP10, DIR13, SL01a].

united [DMH18].

unity [CDD+17].

univariate [BH12a].

univariately [TD09].

universal [QR03].

Universidad [BGHR12, BGH+15].

University [Ano02g, CFTW08].

unknown [HP14, Mar08].

unknowns [CT93, Gar96, Gar03, MM02c, Pou00, PB10, SW13, Che96].

unstable [DLM02, Gro94, WK00].

Unstaggered [Tou10]. Unsteady [Du90, SA00, CML05, DM09a, Gha94, Mar05, MV18, Mur15, PBC08, TYKK01a, TH18].

unsteady-state [CML05]. Unstructured [FVB05, ASC03, BS04b, Dal13, DF11, DSZ15b, FL01a, JTB15, Kni94, Kni95, LYOI99, NFAE03, OK98, PSP04a, Ram94, SGN06, SGN08, TJJ12].

unsymmetric [Khe91, Nov03, Sch08a]. update [BLD17].

updated [YK07]. updated-observations [YK07]. updates [BTMT08, SW09a].

Updating [BS10, GS08, TS08, XZZL15, ZH15].

upon [AGJM04]. upstream [DN08].

upwind [BGP11, BCS06, CNXF14, FCX06, Ho01, LYOI99, Pi09, RK91, SY08, SR97, VL08, vanS86b].

upwind-mixed [SY08].

upwinding [AS06, KN93]. urban [CCM17].

Urysohn [KR18]. USA [FJ97]. Use [FJH*01, RS08b, AA04, Att97, BLS94, BZ93, Gil91, JK94, Man96, SH02, Tou97, YR92].

used [BBO03, BP95, MS08a, Sha85b].

user [WSS97]. user-oriented [WSS97].

uses [SA05, TS08].

Using [CMS04, MS90a, RSD+06, Sch95a, SG09, ST08, TMS87, Zha96, AB12, AyLqW18, Arc06, AD18a, BC02, BOEP00, BM01, BDF89, BW96a, BCJ97, Ber05, BTC16, BGH08, Bla01, BLO8, BH12b, BWEP95, CAD03, CDD+17, CGL13, CKP15, CGCMTR02, Che96, CS01, CKS05, Cod08, CMS06, Dah02, DB97, Det11, Der92, Dia95, DB08, DP85, DL06, Elg17, EW08, ELLE02, EJS11, EC07, FPPS00, Fra14, Gab02, GV18, GGLR09, Gat91, GGM95, Ghe97, GDS+15, GGG16, yCyZ07, HH98, JM94, Jun97, Jun06, KO92, KK98b, Kni94, Kni95, KTS03, Koz94, KY03, LS10, Li97, LH09, LL07, LL02, MZZ17, MRM17, MR00, MCS16, MM16, Mic95, MPTM16, MD96, Moo04, MRFF17, NME98, Nap16, NS03, NLS18, PT09, Pe15, PP00, Pic05, PR17, Ram12, RGOS18, RG05]. using [RBT15, SK97, Sch08a, SCM08, SW95b, SW11, SY05, SA00, SYG+05, SD03, SA08, SW13, TL18a, TL18b, WM07, WS04, WYP12, YCO0, Yos00, YDW17, ZT06, ZPT92, ZSO4, ZWL11, dRT97].

Utility [AD99].

Uzawa [Cao03, Cui04, Mur15].

Uzawa-like [Mur15].

V [Tsy96]. V.S [EST15, Ano00h]. vague [MMKN17].

Validated [LS07a, JN02, Jez99]. validating [Tou97].

Validation [AV96, CAAT16, TLV92, BWEP95].

valuation [AO05, CF08, Mar09].

Value [AGM09, De 88, SM85, AA04, AL09, AyLqW18, AB15, AMP03, AMCR17, AMR14, AT93, AM95b, AGM95, Att97, AFLG+12, ABRW18, Bac17a, Bac17b, Bac18, BOG13, BY00, BM00, Bie16, BCC16, BRRS97, BT93a, BT93b, BT95, BT98, Brun93a, BT83, BC98c, Cah89, CL85, Cas96, CW98, Cj90, Cz12, CN17, DMPSC16, EHM01, FW08, FD97, Fer93, Fun94, GGM95, GM95, Ghe97, GH02, yGpY09, HK93, Hig93a, HR06, IO18, JR02, JCS03, Kat89, KOR18, KG90, KS09a, KKWW0, KS01, KW93, KK02, LH96, LZ17, LW17, LC99, LO03, LS07a, LT93, LOM98, MS03, MS90, MYSC17, Nap16, PZMX16, Pap95, PT15, Pul12, RK08, RTU15, SAG86, Sch93, SWE05,
pSLqJeY16, SW85, Sub04, TS08, VO00b, VV02, Wan07a, Wan07b, Wan11, Wan17b, War92, WW14, XFLC00, YL13, Yos00. value [ZG92b, ZC10, ZWL11, dVA02]. valued [LW07]. 

values [Pr´e10, pSLqJeY16, Zha07]. valuing [itHT18]. Vandermonde [MP98, dC18a]. vanishing [CS17, KV95]. vanishing-lag [KV95]. vapor [CKB13]. Variable [AGM95, Ber04, CLMSS98, GPMPR03, Hai97, Jac87, JZV95, PAlJ2, WK12, Zla85b, Ant13, AFS02, Ber05, BG02a, BZ17a, BRW17, BC98, CAGA06, Fe06, GD09, GPPR12, HOS90, HP14, HLR01, Ho01, HLMKZ06, IJ14, JL17, JV09, KKK92, KS00, LWT07, LLL08, LTT07, LFS15, LM02, PM91, SH97, SH87, SS08b, Wai98]. Variable-Order [Jac87, Ber04, GPMPR03, Ber05, BZ17a, LM02, Sha87]. Variable-Step [Jac87, AGM95]. Variable-stepsize [WKP12, LM02]. variables [BC93, Dar90, Kid90a, Kid90b, Lav94, Man97, PM03]. Variance [Dah02, JLH13, CHZZ06, LOH13]. variant [LLY11, MC17, RM03, Re03]. variants [HS02]. variates [Dah02]. variation [An07a, BAP06, DH12b, FS05, JL86, JL87, LPR00a]. Variational [BSF17, BCG13, DM12, KP03a, BN06, BHR05, Bot97, CP97, CB06, DHS05]. FGP12, Gwa09, Har98, KHM+14, KPR12a, KPR12b, LLY11, Lub04, MG00, SQ17, SMA01, WH13, YC16, ZHJ14]. Variations [KYC03, RG02, SST04]. various [Nes16, VSEYD02]. varying [MVG14, Rya00]. VCSEL [AC08]. Vector [BZ06, NT16, AAD+08, Alt85, Bel91, Bre09b, BRZ17, CCO4a, Con04, Duf90, Fer14, FSS88a, Fug99, Gia12, HvdH10, MZZ17, Sad96, Sad97, Sid90, SSW04, WGB99, WWS+93, Win92, W003, de 92b, van86a]. vectorizable [BV94]. vectors [CP07, GM94, VSEYD02]. velocities [DJL04]. velocity [Ale11, CHR03, DFC09, GLS09, Gat91, GP00, GS18, GGG16, KS02, LY16, LW07, Med96, RR00]. velocity-pressure-stress [GP00, KS02]. Venant [FC06]. Verification [RBBC85, SK01]. verified [Fac03, Run87]. version [AK00, AM16a, CS09, GGO13, Gwi09, J994, KJJ99, KF002, KX03, M106, ML91, SS00, SK10]. versions [Mus11]. versus [CHR03]. Vertex [ZL18a]. Vertex-cell [ZL18a]. vertices [Dal13]. Verwer [BtTBV87]. very [BC99, BP14, BCMV03]. vessels [BC06]. via [AA87, ALP+96, Ba07, BGG04, BRR15, Bor10, BM06b, CFX06, CM04, CPZ17, CGGM17, DSB15b, DSZ15a, FVGS13, HR14, HXW15, KP18, KN16, KSP10, MS00, NRZR12, Pas91, PM14, SA09, S14, WZ16, WQ17, YV17, YT03, Yu08, Zha07, dHV13]. viability [BMMZ06]. vibrating [Ahn07, CCJ99, CFC03, LR03]. Vibration [LH09, AM03, Dat99b, LF00, MR01]. vibrationally [MR03]. vibrations [RL06]. Vienna [AFS96]. Vieta [Wu03]. view [Han87, WH13]. viewpoint [Shy91a, Shy91b]. views [MMP02a]. violating [Vul95]. virtual [Aya09, ECB07, LW92b]. visco [HS07, LDIW16]. visco-elastic [LDIW16]. viscoelastic [CFRA08, CCLT10, KK06, ZYS17]. viscoelasticity [HHR12, Wen05]. viscoplastic [M01]. Viscosity [FF06, FFMZ13, MP85, CRTU15, EK96, GT00, GRRN17, KS00, Luo18]. viscosity-splitting [GRRN17]. Viscous [XF06, CCL04, Duf90, FPR09, FL01b, GM08, HT00, J06b, LK07, LT00, LR87, PR90, TYKK01a, TYKK01b]. visual [Spi99]. visualization [Zar99]. Vlasov [BS14a]. VLUGR3 [BV94]. VMS [RMM12]. Vogelius [BL08]. void [NS16]. volatility [FV01, LL15, ZW09]. volatility/transaction [FV01]. Volterra
[AB88, AM10a, AD18a, BT97a, BGGG13, BLM17a, BDFV95, BP92, Bru92, Bru97, BMM97b, BMM97a, Bru07, CCP17, CDP17, CZ12, CP09, CDP12, CP17, Der92, DLPV17, EH97, FK06, FJ97, FPR12, GLS09, Gar10, GGS16, Han93, HZBM05, HA16, Hu99, IRC12, KO08, Kau97, Li05, LD97, LW92a, MAH18, Maj14, MO17, Man97, MV17, Mic03, MdD04, ROB17, Rl92, SV00, tSqWyG16, SVB17, WC14, WYL11, ZL18b].

Volume [Ano01c, Ano01d, Ano02a, Ano02b, Ano02c, Ano02d, Ano02f, Ano03a, Ano03b, Ano03c, Ano03d, Ano04c, Ano04a, Ano04b, Ano05a, Ano05b, BMQW16, AKT97, ASCM02, ASC03, BK09, BM04a, BM04c, BW95, BC08b, BG03, BP97, CMP03, CL10, CXZ17, CNT07, DJ10, DM11a, DT10, DN08, DHM09, DII15, EN09, EGH01, FL04, FM07, FM15, FL01b, GLLW14, GQ08, GJ17, HHCO8, Kh96, KD13, KCP01, KvyS15, KR12, LLS96, LP01, LMWZ07, MK14, MS08a, Mat08, MR94, M00, MOU14, Ngu15, NB01, NFAE03, RV00, RBT15, SD11, SD13b, SG16, SG07, SN04, SGN06, SGN08, Tol04, TH09, TK15, WZL13, YS09, Zou10, Ano01a, Ano01b, BGP11].

volume-element [RBT15]. volume-finite [KD13, MK14]. Volumes [Ano04l, BM04b, Ano92]. Vortex [BO87, Gus87, HKS86, MOZ87, Ta86, CR04, Nie86, Sod91, VR01, ZdBT03].

vortical [Din93]. vorticity [AQ00, BP95, Gat91, KN93, Med96, RR00]. vorticity-stream [BP95].

vorticity-velocity [Gat91, Med96, RR00]. Vries [BDKM92, AM04, BR97, FWL18, Isk89]. vs [KL09, Nak05].

W [Ost02, PSW02, WSP04]. W-methods [Ost02, PSW02, WSP04]. W. [SS94a].

wakes [FPPS00]. wall [BL91, DM09a, TYKK01b, Uty08].

wall-bounded [BL91]. Wanner [Ran16].

was [BDN97]. wastewater [PGC01]. water [AQ94, BDMG12, Beh07, BGG12, CFXZ06, CCM17, FCX06, FBS09, HL03, IM00, Loe11, QL98, STS00, SCT05, SW12, Tou10, VCC12, ZGLD17, de 92b, vdHS01].

waters [CdCV03]. Wave [AD15, DH12a, DC18b, Gus88, Vic87b, WVBM88, AM17, Ang06, AD01a, Boy91a, CC18, Che88, CR04, CSM06, Dek17, DM09b, DZ12b, DC09, EH91, FMS18, FRRJ10, FJP17, FJ09, FJI19, GL03, HD04, HM17, HvR10, KJ14, JR00, JEG10, JR02, Kim95, KKE16, KR15, LH11, LR18a, MK07, LN08, LMWZ07, LG02, MDP10, Mot17, Mu99, OL18, PD01, PA18, Pip09, RA03, Ric94, RT01, Sa93, S94, SS17, Sod91, SDK15, SKW17, SA18, sSW06, Ty98, Ven15, Vic92, Wag85, WQ17, Wce01, XR05].

wave-like [TY98]. wave-type [RTT01].

wave-vortex [CR04]. wave/particle [RA03].

Waveform [Fan11, AKGR14, BZ93, BD96, CC18, JZ06, JW01, KL07, LR93, Mar05, Poh93, VP91, ZK00, in 95].

waveguides [SDK15]. Wavelet [AV00, BK09, KNN03, TZ00, CL01b, CPOGO17, CNS00, DGD03, EH05, GPP04, GM17, Jam95, LS16, Ric08, SW13, ZCSH11a, ZCSH11b].

Wavelet-based [BK09, CNS00, Ric08].

Wavelet-Galerkin [AV00]. wavelet-like [SW13].

Wavelets [SW06, BCU00, CAD03, CAAL96, Har93, KOR18]. Waves [SR88b, AD01a, Bir87, CGP15, DLM02, EZ03, EV96, Hag15, HD88, MRS03, MZ04, NC14, RX08]. way [TSFB01].

Weak [AB17, BWY03, TN16, Yam18, ZZZ18, Ab04, CR03, DR09a, DR09b, GO86, KK11, Kom07, MWY18, SC08a, ZSL18, TZA13, DM12].

Weak-convergence [BWY03].

weak-internal [CR03]. Weakly [HJ09, AL95, AAD14, BY09, BLM17a, CHLX07, CP17, DLPV17, DL16, GCS16, KX91, LD97, LNZ12, MH16a, Maj14, MO17, Moe98, Mok17, PT11, PTV16, Tan93, Vas17, 1991].
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