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

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Title word cross-reference

(2 + 1) [PS17]. \(d^2/dx^2 - h^2\) [Kas15]. \(S_N\) [OWKE16]. 0 [TCS16a]. 1
[ALTR17, BK17c, CGMH18, CSK+16, JKE+17, Nor15, VLP+16, XQ17, YC17, ZGJ16]. 13 [SGP17b]. 2
[BK17c, BT16, BC16c, CGK17, CZ17, CSK+16, FL18, FNGV18, FNGDMNR18, GFL17, GHL+16, Hu17, IG15, KQB18, LMPS15, LM15a, LGB17, LZT+15, LY16a, LGD17, Mue18, PG17, PKJ+18, PMGW16, QDH15, RLP16, SCS16, TCS16a, WY17, XDSX17, ZND16, ZJ18, ZZW+16]. 3
[AG16, ACS16, BHZ16, BGV17, BDK+17, BS15a, BSM16, BC16c, CSS17, CBC+18, CDL17, CCZC16, CZ16, CX16, CSK+16, DBD+17, DS15a, DWGW16, DF16, Dodi17, DD16b, FDS+15, FGLB16, GBM16, GWC18, HWH+16, JBO15, KE15, KES18, KC17c, KFWK17, LFRH17, LML+16, LHMB16, LZ17a, MKYZ17, MG15b, MC15, MF16a, MW17b, Noc15, PGCG18, PK17, PR16a, PTT18, SNSG16, SFT16, ST18b, SA15, ST18c, Sto16, SSL+16b, TCD17, TRL15, TCL15, VLP+16, WXW15, WSH+17, YSWS16, YTW15, YXD+16, YPK16, ZZZ17, ZHS18, ZVO15, ZYCK15, dBIM16, dJRP+15]. 4
-Adaptive [HEPG15, BRW15, TXKvdV16, TABR17], -adaptivity [JKE+17], -boxes [SS17b], -continuous [KS16a], -criterion [KTK15], -D [Sto16, WSH+17, CCZC16, FGLB16, JKE+17, JBLO15, LM15a, LST+15, Nor15, YC17], -eigenvalue [KL16, KFL17], -exact [HY16, PBC+17], -grids [KDE17], -isothermal [TXKvdV15], -Laplacian [FSWW17], -matrix [CDC17], -method [GCVCHH18], -minimization [GNZ18, JES15, PHD16], -multigrid [BCB17], -order [FY+15], -parameters [PKLS17], -periodic [ZH18], -projection [FSG16], -stable [PKK18, SLH18], -stage [CSS17], -symplectic [ZZT+16]. -T [DS15a], -version [HZ15], -version/ [HZ15].

0012 [FW17].

1 [MRRRF18]. 148 [CNG17]. 199 [MN17].


307 [KYW+18]. 344 [NG18, SWMD17a]. 348 [HGN17a]. 361 [DK18a].

4U [HAPK15].

[LYDB17, SSL⁺16a]. accounting [Noe15]. accumulation [HMBH15].
Accuracy [CNG99, CSB15, GDS⁺16, GR15, Nis15, NL17, Pei16, BK17a, CBB16, CNG17, CoDL18, CSK⁺16, DBZ17, FaI17, FFBB16, FYO⁺15, GH17a, GO16, KDF15, KGS17, LS16a, MDMS18, MA16, MSH⁺15, OMLdL16, SM16, Sla16, TLR16, WZ15, WKPS18]. Accuracy-preserving [Nis15, NL17]. Accurate [CCZC16, CLvS17, EMZ17, GLMC16, HM16b, IM15, RCRF16, WCL15, AD15, AASRT17, ABG18, ANL⁺16, BZ16a, BXY17, BOA17, Bat17, BH18, BTA15, BDZ15, CKT17, CM18a, CYS17, CD17, CG16, CLMZ17, DS15b, DVP⁺16, DY17, DL18a, DL18b, DL16, DwWZ18, GPS17a, GPS17b, J16, KTN15, iLLN16, LY16c, LTWZ18, LDHJ15, MA17, MBHS15, MPFL16, OLdN17, OS15a, OKN18, OT15, OVL16, PLB18, PMB18, RT16, RSD17, STHW17, Say17a, Say17b, STG17, SCS16, ST18c, TD18, TST⁺15, WR15, WT15, WA18, XX17, Yan17, ZMF15, ZL15b, ZGD⁺16]. achieving [MN16c]. Acoustic [AN15, APKP16, BLS16, CCZ15, CLQ17, DBD⁺17, DSS18, GFC18, GHH⁺16, HLL⁺16, IML15, KZR15, LB16, LMM17, MBJ16, MBNJ16, MKYZ17, MSS15, PG17, RZ17, RRD16, SZW⁺16, TP17, TLB⁺18, VAD17, WLW⁺18, ZGD⁺16, bWAW15, dFGS⁺17, tEDKT17]. acoustic-convective [tEDKT17]. acoustic-transport [PG17]. acoustic-wave [GFC18]. acoustically [DXvW18]. acoustically-conservative [DXvW18]. acoustics [SK15a, ZR17]. across [KF17, LMM17]. action [WY17]. activation [VLP⁺16]. Active [ZLC⁺18, CELI15, DCP15, DKPC15, KBG⁺15, RBJS15, RC18]. acted [BBMN18]. Adams [ZM16a]. Adaptation [KRFV16, BOA17, BD16, DLK17, FBC15, GCVMK15, GSN17, HK15b, KLA17, SW15, TST17, TVB⁺16, TG17, WBC16]. adapted. Adaptive [ABP⁺16, BV15, BDM17, BS15b, CEH16, FW18, FPASS16, GBvZ16, HEPG15, HX15, LW17a, LH17b, LNM15, MG17, MBBKTH17, PS16, PR17b, QB16, RKO⁺17b, SS15a, SL18, TCA16, TW15, VN15, ZAK15, ZLH⁺17, ZHI15, AMS17, AWS16, AC17, BGS15, BHL15, BST15, BRW15, CPV16, CC17a, CQ15, CS16c, CTG16, CYYL18, CYWL17, DS16, DMS15, DS15d, EL17, FOF15, FGLW18, FB16, FLHA17, FC16, GB15a, GTG15, HS17b, HS18a, HIN⁺16, HHL17, HY16, HLY17, Hu17, HXX18, HW16c, HCB18, IGQ15, JW15a, JJ18a, KCW17, KG15, KDPK15, LS16a, LL15, LZB⁺17, LHB18, LZT17, LH18, MBSS15, MNG15a, MMS15, MGB16, MW17b, MSB⁺16, MM16d, MM18, NVBDV15, PVB17, QLF16, RDG17, RDM15, RS15b, SRBO17, SwS16, SWHV16, SC16, SD18, TCS16a, TMWF18, TXKvD16, TL15, TAB17, URL16, WD⁺17].

adapted
[WDS15, WBM15a, diAC17, BDV17, COdLL18, PSB⁺18, WSJY16]. Adaptive-Mesh-Refinement [SL18]. adaptively [HC18a, TR17]. adaptivity [APP⁺16, BH16, GBD⁺15, JKE⁺17, OKWE17, WKOE17]. added [BHKS16]. added-mass [BHKS16]. additive [AED⁺17, CHZ16].
address [AM17b]. addressed [CSCM16]. ADER [BK16a, BLD15, BDLM18, BTVC16, CTM+16, DPRZ16, DPRZ17, Jac17b, JC17, NMM15, NMM16, Nor15]. ADER-MOOD [BDLM18]. ADER-type [BTVC16]. adhesive [FRL15]. adiabatic [BLVC16]. adjacent [GMP16]. Adjoint [AMJ17, Blo17, SW15, Cac15a, Cac15b, CYYL18, DK18a, DK18b, HL15a, JW15a, KPKG15, LYPP17, Loz17, MMM15, SSC+16, Stü15, VBF15, XRRMM15, ZP16]. Adjoint-based [AMJ17, SW15, CYYL18, JW15a, Loz17, MMM15, SSC+16]. adjoints [Fid17]. adjustment [APT17, OSP17]. ADM [CvKH16, Ani16]. ADM-[Ani16]. admisibility [BT16]. adsorption [ZQCT15]. Advanced [AK16, AL16, BLD15, BDLM18, BTVC16, CSH15, EHXM15, GS15a, IM17b, JZ16, LN17, LLP+16, LE16, LPB17, LZ17b, LLLN18, MD18, MK15, MN16a, MMvR18, MSP16, MN16e, NL18a, PF15, PPCK17, QDRB15, SP15b, TSH17, TAR17, Vab18, YWHP15, ZJL16]. advection [AAL15, APP+16, BFT17, BTVC16, CSH15, EHXM15, GS15a, IM17b, JZ16, LN17, LLP+16, LE16, LPB17, LZ17b, LLLN18, MD18, MK15, MN16a, MMvR18, MSP16, MN16e, NL18a, PF15, PPCK17, QDRB15, SP15b, TSH17, TAR17, Vab18, YWHP15, ZJL16]. advection-diffusion [BFT17, GS15a, LE16, LZ17b, LLLN18, MK15, MN16a, MMvR18, MSP16, NL18a, TSH17]. advection-diffusion-reaction [BTVC16, JZ16]. advection-dispersion [PCF15, PPCK17]. advective [AJVH17, BHdD18]. advective-diffusive [AJVH17]. aerodynamic [GGW17, Loz17, TZ16]. aerodynamics [SP15+16, TVB+16]. aeroelastic [LHY17, MM17, SPP+16a]. aerofoil [KH15]. aerosol [CMR+16, FSK+16, FL16, SNB+15]. aerosols [SNB+15]. aerothermal [ED16]. AETHER [TC15d]. affect [VV18]. affine [JST17]. affine-particle-in-cell [JST17]. Affordable [WG16b]. age [LDWZ15]. agglomeration [BCB17]. aggregate [GPG17]. aggregation [XR17]. aging [SAH17]. air [CHE+17, DBD+17]. aircraft [KYUO15]. airfoil [FW17]. airfoils [CPS17]. al. [CF018, YM15]. ALE [BQCG17, BCM+18, CPG16, DG16a, DLM18, FRW16, Liu16, OMLdL16, RDG17, RXS16, ZS16]. Algebraic [CvKH16, CFvKH18, TAH16, ANL+16, HHR15, RWG18, TWH15, WS16]. algorithm [ABN15, ALM15, AA15, BSK15, BHIKS16, BHOST17a, BHOST17b, BDBE15, BCM15a, Brec18, BZ16b, BKG15, CPV16, CMM16a, CCG16a, CS16a, CC17a, CQ15, CZJ17, CRMP16, DFM17, DXvW18, Don15b, Don18, DHC16, EAM15, ETAG15, EBQ15, FL18, GLZ16, Gen11, Gh017, GJ15, HSK+15, HTZG17, HPV16, HYLI17, HHKF15, KBK15a, KC17b, KKL17, KF17, KK16, KL18, KJ17b, KJ18, LM15b, LL18, LL15, LM16c, LHB+16, LY17, MS15a, MBHS17, MA16, MKV+17, NOM+17, NKN+17, NSB15, NLL+15, PVFN15, PSB+18, PKLS17, PN17, PLWJ16, Ram17, RYZ18, RC18, RLP16, RL18, RL17, ST16, DD17c, SKS17, SPM+15, SW17b, SO15, SR18, TCSM15, TH16, VYP15, VBG+17a, WS16, WKOE17, WS15a, Wu16, XL17a, XDSX17, XZZ15, XL17b, YJ17, YD18, Zad11, ZMF15, Zau16, ZZDB15]. Algorithms
aligned [KKLS17], all-hex [RGW16], all-regime [CGK17], all-scale [SDH16, SSX16], all-speed [AIP17]. Allen [JJ18a, KJYC17, WX17], allowing [CSCM16], alloy [AZK16, BGJ15, MTL17, RTO15], alloys [DMS17, OTS17], almost [VK15, BPTA16], Alternating [LP16b, LZT15, SS16b, SZ17], Alternative [BVG16, MG15b, Pei16, PSP16], Ampère [DL17, CCZ15, TC15a, TKC15, WBBC16], Amplitude [GHL15, GHL16], AMR [DWGW16, PSB18, DD17c], AMS [TAH16], analogue [BN17], Analyses [YM15], Analysis [AJP15, BG16b, CYYL18, CO4LL18, HTMP17, JL16, LZL17, UWH17, YCBC15, AM15, ACJ17, ADP15, BK17b, BHST17a, BM16, Blö17, BW18, BGM16, BTVC16, Cac15a, Cac15b, CCK18, CBC18, CW16, CNW17, CNOS15, CC17c, CSLL15, CV18, CWYJS16, DC18, DDV18, DK18a, DK18b, DMSC16, GB15b, HD15, HW16b, JPLL15, KS16a, Kmd16, KS15, KL15, Kri17, Lap16, LT15, LdL16, Lia16, DV17, LBB17, MB16, MBNJ16, Mel18, MSD18, MHGM15, MDDM17, MTL17, MF16b, MSP15, MSP16, NW17, NF17, OWKE16, PXXZ15, Par17, Pei16, PZF16, QS16, RWKW16, SVG18, SSN17, SW17b, SP16, TCA16, TST15, VPM15, VPV17, WHCN17, XB18, YJB18, ZMF15, ZZ17, ZBZ18, dLDG18], analytic [LGB17], Analytical [QWXZ17, SWML17, AB17, ALTR17, CZ16, DF16, DH18, EAAM15, FKF17, LC18, LC17a, MD15, MDD15, TM15b], analytical-stochastic [DH18], analytically [RRM16], analyze [UG16], Anatomically [ANL15], anchored [MS16b], anchored-ANOVA [MS16b], Anderson [AJW17, PSP16], anelastic [SHLG15], aneurysms [YPK16], angle [CHE17, Don17, Gan15, Hig17, KL15, TSR15], angles [BFP18, HKS16], Angular [DL15, ABP16, BCG15, GBD15, JST17, KL15, MF15, OWKE16, ZM16b], Anisotropic [BD16, BDV17, DPDK17, BJWZ17, BOA17, CPV16, CLS18, CSG17, Chu17, FBG15, GMP16, GFG15, GH17a, HHA16, MDT16, PS15b, RMA17, SAEF17, SS17c, TW17, TMT17, TTN16, ZSW17, vEKBD16], anisotropy [CGG18, YC16], annular [MB16, MBNJ16], annuli [MF16b], anomalies [NMM17, PKLS17], anomalous [ADHN15, GBU15, MP15a], Anomaly [KS15b], ANOVA [CC16b, LL16c, MS16b, TCA16], Antarctic [IPSG15], antenna [SFDE15], anti [KSSL18, ZSW16], anti-hourglass [KSSL18], anti-plane [ZZW16], any [RCRF16], AP [WSJY16], AP-Cloud [WSJY16], apertures [SL16a], Application [APP16, AS17, AP16, BA15, CC17a, CGM15, EG17, GPS17b, GCCVCH18, HHC15, KSV15, LS16, MNN16, MG15b, MB15, NOM17, NMM15, OS16, RC18, SRBO17, SZ15a, SI16, SI17, TCD17, Tav16, VAL16, Zan16, ASB15, AMA18, AJW17, BCS17, BLG16, BTA17, BZ16b, Cac15b,
CGSS18, CP16, Cot16, DS16, DL17, DAO17, DS15d, EJMI18, FBL17, FPT17, GWC17, HKH+16, HTMP17, IPSG15, KG15, KFWK17, Liu16, LEB+17, MRA16, MKYZ17, MP16, MSP15, NMM16, PKK18, RXS16, SDMS17, SWS17, SW17b, TMWF18, TD16b, Vog17, WY17, WSS+15, WB17, WKSS15, XYF+17, YR15, Yas16a, BD15b, HTBG15, NMM17]. Applications [Chu17, KKL15, KHP15, MM16c, NFG15, PSB+18, PQR17, TBS16, TCS+16b, ACCDA16, ALKZ16, AAD16, AdSS+15, BHGK18, BDPM18, CCK+17, CBN+16, DDJ17, DCL15, DGV+15, DY17, DZC16, FK17, GBR15, GFO18, HWH+16, pHrSrC15, JL15, Jou15, KADE15, KADE17, LB17, MWD16, MW16b, MS17, NLFM16, Ram17, RG15, Say17a, Say17b, SA15, Spe15, SCLG15, TP17, TMH18, YNW17, YL16, ZzSK15, ZPE+16]. applied [AGRB18, BC16a, DCP15, DZ16, DGL+15, GBD+15, GFvR18, HR18, JdR+18, LML+16, NRZS17, PBA+15, PA15, SWPS17, WS16, ZCHS15, dFVJ15].

Approach [TK12, TK15b, ADFG17, AMJ17, AS17, AR16b, AM17b, BVM+17a, BB17, BSM16, BDPM18, CGS18, CE18, CNOS15, CJL16, CFPB17, CN16, CGJ16, DG18, DvB17, Dom18, EO15, EZG16, Eva18, EE16, FG16, FKR16, FJT16, FG18, GTL18, GR18, GLS15, GWE+15, GPG17, HFND18, HB16, JH17, KD17a, KKS15, KM16b, KP15b, KES18, KL15, KW16, KV16, LSWF16, LZi15a, LO16, LMSK17, LH18, MVK15, MR+15, MCN18, MN16a, MRN16, MD15, MWP+15a, MWP+15b, MTBT18, NJPB17, OS16, OB17, PMS15, PHO+16, PHRA16, PE15, RFGSV15, RT16, RO16, RS16a, Rsc15, RS17, SP18, STEK17, SKS15, SZ15a, SAX18, SLB+16, SDF17, SWHV16, SMOM+17, SP15b, SV17, SIX16, Tav15, TT17b, TAJ+17, TND18, TABR17, Vos17, WLL16, WT16, XYP16, XW+16, YS18, YL16]. approach [ZL15b, ZC18, ZZPH18b, ZZPH18a, ZCL17, dJRP15, tEDKT17]. approaches [LL17, CFG16, CPSF17, MMP17, SG+15, YGEM17]. Approximate [EAAM15, KKLS17, MKYZ17, PP18b, Ama15, AB17, BSWG15, CLY+15, LZZ+15, MM16a, WHL17, WSN+15, WLK+16, XM18]. approximated [LDGH16]. Approximating [CFO18]. Approximation [ABM16, BC16b, CT15, KKI17a, LB15, OS16, ALKZ16, AEL+15a, AEL+15b, BDKK17, BA15, BZ15, BKRRB16, CQ15, CSL15, CLP16a, Cot16, DCBK15, DZC16, EMZ16, GNZ18, pHrSrC15, HB16, Ike18, Jou15, KZR15, LTKA15, LLY15, LZi14a, LLLS16, LLVF+15, LYA16, LY17, MML17, MP15b, MP16, MB15, MN18c, PCX17, ST18a, SAOW17, WX18, YLY16, YY16, ZCL17, ZNX15, Zil15]. approximation-based [LL15]. approximations [AEL+17, BGN15, BFFB17, CLC16, CMW16, DY17, FFBB16, FPV18, GMS16, Hig15, JW15a, Kay15, KS15a, KS16b, LLS15, LN15, LHA15a, MN04, MN17, MSP16, PUA+15, WYZZ18, WG15, WF17, YZW17, YY17, ZG16, ZzSK15]. APR [C04LL18]. Arakawa [SLN15]. Arakawa-like [SLN15]. Arbitrarily [LIW17d, GLS15, GBS15, LBTK18, LIW18, OLW16, PN18, TC16a, TSN16, WX18]. Arbitrary [BMR+16, BLD15, BD17, CNG99, TD18, WW15, ADGN17, ATF16, BtTBI18, BS15b, CNG17, CJL16, CYL+16, CE17, CR18, CCGH17, DL15, DY16, DF16, GWC18, GTG15, GL17, HL16a, HJ17, KTN15, LL16b, LTR16, LK16a,
LHW$^{+17}$, LYPP$^{17}$, LVL$^{18}$, LMN$^{18}$, MN$^{15}$, MW$^{16b}$, MTK$^{17}$, MWB$^{+15b}$, NSB$^{15}$, OLD$^{+16}$, OKE$^{17}$, Rag$^{15}$, SWMD$^{17a}$, SWMD$^{17b}$, Spe$^{15}$, SGT$^{16}$, SGT$^{17}$, TCS$^{17}$, TKF$^{17}$, WHL$^{17}$, XX$^{16}$, XX$^{17}$, ZSW$^{17}$, dTP$^{16}$, ABM$^{16}$.

Arbitrary-Lagrangian [BLD$^{15}$, BD$^{17}$]. arbitrary-order [CCGH$^{17}$, JH$^{17}$]. arc [Par$^{15}$], arc-like [Par$^{15}$]. Architect [MAM$^{16}$]. architecture [TCS$^{+16b}$]. architectures [AAB$^{+16}$, RGPS$^{17}$, RHvR$^{+15}$, ZAK$^{15}$]. area [JB$^{15}$]. Aris [GR$^{15}$]. arising [BKRB$^{15}$, HLTC$^{18}$, lLNS$^{17}$, PGH$^{15}$]. arrays [LB$^{16}$, SFDE$^{15}$]. Arrow [DFM$^{17}$]. Arrow-Hurwicz [DFM$^{17}$]. arterial [DHC$^{16}$]. arteries [GDFL$^{17}$, GFL$^{17}$, YPK$^{16}$]. artery [BFI$^{+16}$]. artifacts [MSG$^{18a}$, MSG$^{18b}$]. Artificial [Rod$^{17}$, Rag$^{15}$, SWMD$^{17a}$, SWMD$^{17b}$, Spe$^{15}$, SGT$^{16}$, SGT$^{17}$, TCS$^{17}$, TKF$^{17}$, WHL$^{17}$, XX$^{16}$, XX$^{17}$, ZSW$^{17}$, dTP$^{16}$, ABM$^{16}$]. Aspect [Sti$^{16}$]. aspects [PM$^{16}$, TC$^{15a}$, TKC$^{15}$]. asphaltene [ELH$^{16}$]. assemblies [LL$^{18}$]. Assessment [BD$^{18}$, XWL$^{+16}$, HBC$^{+16}$]. assimilation [ADP$^{+17}$, FDS$^{+15}$, FG$^{18}$, GS$^{15c}$, GM$^{16}$, KYUO$^{15}$, MP$^{17}$, MCGS$^{16}$, NP$^{16}$, RS$^{16a}$, RVMR$^{17}$, SD$^{17}$, SWHV$^{16}$, SSN$^{15}$, YNW$^{17}$]. associated [AAPB$^{17}$, Bre$^{18}$, Don$^{18}$, OvdHVH$^{16}$]. atmospheric [AZ$^{16}$, CGSS$^{18}$, FL$^{16}$, KMS$^{+18}$, KG$^{15}$, KS$^{17}$, Me$^{18}$, MM$^{16c}$, SY$^{16}$, SWMD$^{17a}$, SWMD$^{17b}$, SDH$^{+16}$, SSX$^{16}$, SKG$^{17}$, SZ$^{15}$, TLLF$^{15}$, ZCHS$^{15}$, ZA$^{15a}$]. Atom [LLEK$^{17}$]. Atom-partitioned [LLEK$^{17}$]. atomic [TY$^{17}$], atomically [FRL$^{15}$]. atomization [GHR$^{17}$, LSYF$^{15}$]. attractive [Rua$^{18}$]. attractive-repulsive [Rua$^{18}$]. Auction [JME$^{18}$]. augmented [AGRB$^{18}$, AT$^{18}$, LXC$^{+15}$, NMM$^{16}$, XLY$^{15}$, NMM$^{15}$, Vog$^{17}$]. AUSMD [Niu$^{16}$]. auto [ZKS$^{+15}$]. auto-covariance [ZKS$^{+15}$]. automated [LBB$^{+17}$, TST$^{+15}$]. Automatic [KJ$^{18}$, TO$^{15}$, ZJ$^{18}$]. automaton [DMS$^{17}$]. autoregressive [HHR$^{15}$], auxiliary [SXY$^{18}$]. avalanche [VBG$^{+15}$]. aves [VBG$^{+15}$]. elevated [ST$^{+17}$]. elevations [ST$^{+17}$]. average [BB$^{15}$, DWGW$^{17}$, MSG$^{18b}$, SPCH$^{16}$]. avoid [MSG$^{18a}$]. avoiding [NWKC$^{16}$, Wal$^{16}$]. avoids [SYM$^{15}$]. aware [DS$^{15a}$, DS$^{15b}$, LRZ$^{17}$]. axi [RZ$^{17}$]. axi-symmetric [RZ$^{17}$]. axial [ZCL$^{17}$]. Axisymmetric [NOM$^{+17}$, FH$^{17}$, GBD$^{17}$, HR$^{17}$, LLFX$^{18}$, LB$^{16}$, LWB$^{+16}$, Xie$^{15}$, ZCHS$^{15}$, TBLJ$^{15}$]. axon [MW$^{16a}$].
\textbf{B} [FGLB16, SLVE18, YZT+18]. \textbf{B-spline} [FGLB16, SLVE18, YZT+18]. Babich [LQB16]. \textbf{back} [BFP18, Ols15]. \textbf{back-scattered} [BFP18]. \textbf{backflow} [BC16a]. \textbf{background} [BJK17, ION+17]. \textbf{backward} [PBBK15, PKK18]. Baer [CHS17, DG16a, FRRV16, LDGH16, TT16]. Baer-Nunziato [DG16a]. \textbf{Balance} [PMF+18, CTM+16, LPWK15, LM16, MRXI17, MN16c, NLFM16, TM15b, WYA+17b, XZZ15]. \textbf{balance-Monte} [XZZ15]. \textbf{balanced} [ABT16, CCK+18, FNGDMNR18, FGLB16, LX18, LMKSI5, MDBCF17, NMM15, NMM16, NMM17, PN17, PME+15, XCC17]. \textbf{balancing} [CV17, GFA+16, JBLO15, KJ18]. \textbf{ballistic} [TP16b]. \textbf{ballooning} [WSH+17]. Band [AAB+16, KH18, MHJ15, WHZ18]. Band-Krylov [AAB+16]. \textbf{banded} [JH17]. \textbf{bandgap} [DBD+17]. \textbf{bands} [BVMW16]. \textbf{bandwidth} [HXB15]. Baroclinic [OLHD17]. Barotropic [CK16a, DG16a]. \textbf{barrier} [AW16]. Based [ABM16, DJV+18, AAE17, APV+18, AMJ17, AS15, AS16, AB16b, AA15, ABT17, Abdc+18, BSK15, BTD16, BFI+16, BD15a, BK16a, BFG+16, BCF+16, BC18, BM16, BZ15, BDBEE15, BTVB15, BCM15a, BS15b, BGG16, BCB17, BC16d, BKL17, CDM+16, CCHL15, CGS18, CDC17, CC16b, CJD+17, CQ15, CJL16, CZ16, CYYL18, CLL17, CLX15, CGJ16, CLQ17, CMH15, CV16b, CYWL17, DRP+16, DCA+16, DR15, DXvW18, DPW+15, DF16, DLK17, DL18a, EH14, EH15, ES18, EMZ16, EE16, FRL15, FWK17, FG16, Fid17, FB15, FPDT17, FK17, FSK+16, FC16, GTL18, GSS15a, GZM+17, GMLD18, GH15, GOR17, GO15, GCVMK15, GFA+16, GBD+15, GN16, GAJ15, GSN17, GFW16, HGR16, HEPG15, HZL+15, HTZG17, HP17, HDA+18, HMFJ18, HW15c, HW16c, HKS+16, ii15, JW15a, JKE+17, JZSX18, JL17b, JLF17, JTD16]. Based [KM17, KFF+17, KKJ16, KRFV16, KC17c, KG15, KP15c, KK17b, KGP+17, KSSL18, KBF17, LH17a, LY15a, LKK17a, LC18, LL17a, LJJ15, LLL16, LDL+16, LXL17, LC17a, LLY18, LGB16, LSTkM15, LJ16, LW17d, LH17, LKSM17, LYA16, LLL18, Loz17, LZ+17, LP17a, MN18a, MNG15b, MW16b, MP17, MGBG15, MMMS15, MV16, MCHL16, Moh15, MZ15, NPP15, NPRC15, NL17, Niu16, OC18, OS16, OSP17, ÖPHA15, OV17, PXXZ15, PCX17, PDD+17, PD17, PPLC16, PUA+15, PR16a, PR16b, PRHA16, PLWJ16, PSMPG17, PR16c, PMB18, RO16, RY18, RRR+16, RXSG15, RX16, Rk15, RM16, SNSG16, STR15, SRBO17, SNB+15, SBT17, SPB17, SLH18, SL18, SG+17, SSC+16, SP16a, SW15, SLL16, SKO17, SL16a, Sto16, SW17, TC15a, TKC15, TW17, TLQ16, TD17, VBG+17b, Vos17, WG16a, WW15, WR15, WDS15, WHL17, WSN+15, WCCB16, WH16b, WHZ18]. Based [XB18, XP17, XD+W17, XDSX17, XS15, XM18, YJ17, YSW15, YY16, YYW17, YZ+18, YXX+16, YB17, YZZ15, YCS+17, ZL15a, ZHA17a, ZC18, ZVO15, ZSX17, ZYCK15, ZGD+16, ZM16b, ZCL17, ZL15c, ZWH17, ZPE+16, dFOS+17, tEDKT17]. \textbf{bases} [AAE17, LMBZ15, MJ17, RSB16]. Bashforth [ZM16a]. Bashforth/Moulton [ZM16a]. \textbf{Basic} [WRL16a]. Basis [Mue18, TST17, AH15, BVSI8, CQ15, CS16b, FGLB16, FBW16, GBvZB16, HXB15, JES15, JL17b, JWH16, KKL15, KMG16, LBI5, LL16c, LHY17, Lot18, MVK15, MF17, ML16, MR16b, OS16, PDDG+17, SKS17,
PN18, PR16a, QYF15, RW15a, RXS16, SGMS16, TOR+15, dTP16. **body**
[ABT17, BOA17, LC15, PLWJ16, Say17a, Say17b, SD15, STKH15, TRM16, WGI16a, WE15, YXF+16, YDCK16, ZJ18]. **body-fitted** [BOA17, ZJ18].

**body-force** [WG16a]. **body-forces** [YDCK16]. **Bohm** [MP15b], **boiling** [JS16, SN15, VALT16].

**Boltzmann** [GBCF16, GSS15b, AS16, APT17, AJVH17, BP18, BWR15, BTVB15, BAR15, CT15, CVG18, CLM15, CSB15, CYWL17, DLNR18, DCKB15, EG18, Eva18, FGL16, FB17, FBL17, FKF17, GR18, GPS17a, GPS17b, GR15, GBCF15, GW16, HK15a, HLML17, HW15b, HLU15, HJ16, HY15, HY15c, HYY16, HW16c, HW16b, HW18, Hwa16, JSY15, KGT15, KP15a, KL15, KS15b, KS15d, LEMS15, LFDP16, LL16b, Li17, LDWZ15, LW+16, LSC16, LM15d, MG17, MK15, MHGM+15, MKV+17, NSL16, OLs15, PL16b, PMGW16, PGGW18, PF16, RS15a, RTO15, ST18a, SW16, Shi17, STG17, TS17, WS15, WSHT15, WS16, WGF17, WZRZ15, WZ+17, Xie15, XJ16, YFKS15, YYY+16, YC16, ZC16, ZY16, ZY17, ZQCT15, ZW17].

**Boltzmann-BGK** [Ev18, HYY15]. **Boltzmann/Finite** [GSS15b].

**Bond** [TRM16]. **bookkeeping** [HB15b]. **boosted** [YXD+16]. **Boris** [EBQ15, WH15]. **Born** [OLV16]. **Bose** [ALT17, Ru18]. **bottleneck** [OZ17]. **bounce** [OLs15]. **bounce-back** [OLs15]. **bouncing** [SGP17b]. **Bound** [EHXM15, HS18b, QSY16]. **Bound-preserving** [EHXM15, HS18b, QSY16].

**boundaries** [AB17, BLS16, EG18, FB17, GSN16, JSY15, LHL6, LSLA16, MA15, MM18, RF18, ST18a, YM17b, YTW15]. **Boundary** [BCD+15, BCO+15, DDK+15, BAR15, CV18, DKK15, GZ17, GBS15, HY15, KZ15, Pan15, PF16, RVZB15, SGT17, TSN16, TBLJ15, WS16, AR16a, AB15, AB16a, AMS17, AB18, AMP16, ACS16, ABG18, AR16b, BBK16, BKP16, BXY17, BN15, BBF+17, BDB18, BN18, BNS17, BPTA16, BG16a, BHF15, BLC16, CDL17, CH16, CYWL17, DDJ18, DGHP17, De18, DSH+16, Dod17, Don15a, DS15c, Don17, DL18b, FR18, Fa15, FH17, FG16, FPDT17, FN17, GP17, GT15, GLMC16, GC17, GVTQ16, HL15a, HTFL18, HG18, HP17, HR17, HKH+16, HLY15, HLSY16, HH15, HY15, HDF18, HUE15, IK15, JSP16, JL17a, JW15b, JSY15, KDF15, KLSF15, MA17].

**boundary-constraint** [XY17]. **Boundary-Lattice**
boundary-layer [NL18a]. boundary-value [WZ15]. bounded
[AG18, BLS16, Don17, IM17b, JHPAT17, KBR17, LI15, NGY+17, YLA15].
Boundedness [HDA+18, SMD18, SKC17]. Boundedness-preserving [HDA+18]. bounds [BMC+18, HFND18, MSK18, MM15, Tso18].
Boussinesq [UL16, ZA15a].
broad [JB15]. broad-area [JB15]. broadband [ZZH16]. broadening [DJD+17, JDFS16]. Brownian [GT17a, DH18, MMW15, SPRW15].

capillary [DVW15a, HM16a, LSMS17, LW18, LT15, MC17, SPD+17, TBLJ15, ZZZ+17]. capsule [BLJ17]. Capturing [Sia18, BJ15, GHR17, JSS15, JLC15, KYW+16, KYW+18, KILWQ17, LTWZ18, OSKN18, PSS17, SP15b, WL17, XX17]. Caputo [DZC16]. carbon [GGL+17]. carbuncle [Rod17, Rod18]. cardiac [CGG18, MSV+16, VLP+16]. cardiology [PQR17]. Carlo [BC16b, Gho17, Mac16, AR16a, BP18, BTA17, CS15, Cha16, CL17, CG15, CW18, CHE+17, Cos16, DPW+15, DG16c, EARA15, EN17, FDK17, GB15b, GMS16, Gen11, GDS+16, GAJ15, GBU15, Hig17, HC17, HMRG16, ION+17, KM17, KMS+18, KL16, KC17b, KES18, KK17b, LS15a, LBTCG16, LPU18, LYCC17, LB17, LXL17, LWL16, MNO+17, MZTS16, MSS16, PJE+16, PUA+15, PDS15, RKH15, SY17, TSR15, WBC+16, WL16, XZZ15, XR17, YC15, Yas17, ZLJ16, Zil15, vdKK16]. carrier [vdKK16]. carriers [SU15]. cartesian [FGILW18, ACS16, BNK18, Cai16, CXL16, DDJ18, DM16, GP17,
GNK18, HS17b, HS18a, LPW15, LGB17, MM16d, MM18, QDRB15, QLF16, RB18, STK\textsuperscript{+}16, SLY16, SIt16, dBIM16. cascade [SFT16]. cascades \textsuperscript{[FBL17]}. cascadic \textsuperscript{[PHHR17]}. case \textsuperscript{[BHJ16, CGS18, FNGV18, MRRRF18, Rod18, VSM16a, VSM16b, WLE17, ZR17]}. CASL \textsuperscript{[TK16]}. Cauchy \textsuperscript{[LY16a, MST15, PZF16]}. cavitating \textsuperscript{[EHA16]}. cavitation \textsuperscript{[OPA15, PS14, PS15a]}. cavities \textsuperscript{[GFvR18, HK16b, LGO17, PLL15b, UWH17]}. cavity \textsuperscript{[EN17, GKE15]}. CCH \textsuperscript{[BMCK15]}. CCS \textsuperscript{[SFT16]}. CCS-RG \textsuperscript{[SFT16]}. CE \textsuperscript{[WMS18]}. CE/SE \textsuperscript{[WMS18]}. Cell \textsuperscript{[CLMZ17, DFS16, LAL18, TMT17, AR16b, BTGM17, BGTM18, Bat17, BKN18, BMRA\textsuperscript{+}15, BDZ15, BDM18, BLC\textsuperscript{+}17, Bra16a, BMCK15, CJHT17, CGP16, DM16, DJV\textsuperscript{+}18, DL15, DL16, FGLW18, FLW16, FS17b, GBM16, GFA\textsuperscript{+}16, GNK18, GHI17b, GPG17, HWH\textsuperscript{+}16, HXL15, JST17, KHTZA16, KB17, Lap17, LPW15, LY15b, LSD\textsuperscript{+}17, LSTkM15, MM16d, MHZ\textsuperscript{+}15, MM16d, MM18, NRZS17, PxsR17, PE16a, PHÖ\textsuperscript{+}16, PMF15, RH18, SGMS16, SSM15, SCLG15, SPCH16, dCPDC\textsuperscript{+}17, TM15a, VSM16a, VSM16b, WCCB16, YXD\textsuperscript{+}16, ZXDL17]. cell-based \textsuperscript{[KBF17]}. Cell-centered \textsuperscript{[LAL18, TMT17, BDZ15, BDM18, BMCK15, CJHT17, CGP16, DL15, FGLW18, FLW16, GBM16, LY15b, LSTkM15, MM16b, VSM16a, VSM16b, ZXDL17]}. cell-centred \textsuperscript{[Bat17]}. cells \textsuperscript{[DF16, HXLL15, HGR16, PG18, XL16]}. cellular \textsuperscript{[BB17, DMS17]}. cellular-scale \textsuperscript{[BB17]}. Cellwise \textsuperscript{[CHS15]}. center \textsuperscript{[PKK18]}. centered \textsuperscript{[BDZ15, BDM18, BMCK15, CJHT17, CGP16, DL15, FGLW18, FLW16, GBM16, HHK15, LAL18, LY15b, LSTkM15, MWB\textsuperscript{+}15a, MWB\textsuperscript{+}15b, SP18, TMT17, TLB\textsuperscript{+}18, VSM16a, VSM16b, ZSW17, ZXDL17]}. central \textsuperscript{[HC18a, IDS15, LN15, LZZS15, LMKS15, SY18b, TLQ15, TLQ16, TK12, TK15b, WLW\textsuperscript{+}18, XL16]}. central-upwind \textsuperscript{[HC18a, LMKS15]}. centred \textsuperscript{[AGBL15, Bat17]}. centroidal \textsuperscript{[YGP18, FHA17a]}. cerebral \textsuperscript{[YPK16]}. certain \textsuperscript{[GS15a]}. Certified \textsuperscript{[SFDE15]}. CESE \textsuperscript{[YFJ17]}. CFD \textsuperscript{[EH15, XS15, AaSS\textsuperscript{+}15, BLG\textsuperscript{+}16, EH14, LKK17a, LKK17b, MS16b, MMS15, MH18b, VLT16, YCP15d]}. CFD-DEM \textsuperscript{[BLG\textsuperscript{+}16]}. CGR \textsuperscript{[BMCK15]}. chain \textsuperscript{[KBK15a]}. chains \textsuperscript{[MWD16]}. Challenges \textsuperscript{[PEV18, CSCM16, TK16]}. Chance \textsuperscript{[CSS15]}. change \textsuperscript{[AT18, DD15, HW15c, HW16c, LRA17, LSD\textsuperscript{+}17, NLW\textsuperscript{+}16, VW18]}. changes \textsuperscript{[FB15]}. changing \textsuperscript{[DCCE16, Lii16]}. changing-connectivity \textsuperscript{[Lii16]}. channel \textsuperscript{[BKG15, DG16c, KCS\textsuperscript{+}17, KP15c, KFWK17, SHLG15, ZV16]}. channels \textsuperscript{[WBM\textsuperscript{+}15b, ZMF15]}. Chaos \textsuperscript{[ABM16, ARG\textsuperscript{+}17, ATM\textsuperscript{+}18, GGW17, GNZ18, HD15, JES15, KSV\textsuperscript{+}15, KS16b, LMT15, OB17, PHDI6, SS17b, SG17, TG17]}. chaotic \textsuperscript{[Blo17, BW18, CNW17, Lia16, NW17]}. Characteristic \textsuperscript{[HTZG17, NF17, FL16, HP17, Hue15, JST15, LLP\textsuperscript{+}16, SWZ15, SW16, WGME17]}. Characteristic-based \textsuperscript{[HTZG17]}. Characteristics \textsuperscript{[FSK\textsuperscript{+}16, APR\textsuperscript{+}15, BR15b, BR16, HL16b, LM15b, WPB15, ZCL17, ZWG17]}. Characteristics-based \textsuperscript{[FSK\textsuperscript{+}16]}. characterization
Sub15, WW17, YC17, ZK15, ZZW+16, ZLX17. colloidal [FKY15, NWZ18].
color [KLWQ17]. colored [MGT18]. column [CK16a]. columns [DLY17].
Combination [DC18, LTB16b, Lot18, Zil15, DJD+17, HB16, OMLdL16].
combined [AAL15, CH17, DLK17, DS15d, GS15a, KE15, DV17, SDW16, YWH15, ZB15, ZD17]. Combining
[PKW17, CGG18, HLML17, KSV+15, LSMS17, YYL16]. combustion
[CPV16, TMWF18, WMYG16]. combustors [MBJ16, MBN16]. Comment
[EBQ15, QHZ+15, XS15, ZJS15, CC17b, EH15]. Comments
[Gho17, HSK+15]. communication [LH15, NWKC16].
communication-avoiding [NWKC16]. Comp [GBCF16]. Compact
[Cui15, GGT15, TMH16, WRL16a, WRL16b, WRPL17, YLA15, Bre17, CZL18, Fan16, GS15a, Ler16, LZZS15, OVP15, PX16, RSH+17, SS16b, WLW+18, WL17, YWH15]. Comparative
[ED16, KS16a, KGS17, CX15, MVZ16, RS15a, TK15a, ZED15]. Comparing
[GRB15]. Comparison [GWB+15, PUA+15, Past16, SS15b, YM17c, BD18, FK17, JZSX18, KS16b, LGB16, RMC15, VWV17, WG15]. Comparisons
[MAM16]. Compatible [BMC+18, MO18, SY18a, GBM16, KSVB18, KSSL18, SLVE18, SO15, TMH18, YSC+17]. Compatible-strain [SY18a].
complete [MG15a, SD16]. complex
[AMS17, ALM+17, AC17, BB17, CGSS18, CZL+15, CD17, CRZ17, De18, DOO17, DD16b, GLS15, GS18, GEZK16, HAPK15, KJ17b, LCK16, LBTK18, MRK15, MR16b, Noe15, RS16b, SMLB15, TK15a, TP16b, VBG+17a, VD16, WXW15, WWR17, XDvW17, YDCK16, ZYW16]. complexities [KSVB18]. complexity [LYCC17, OZ17]. complexity-bottleneck [OZ17]. complexityly [GN16]. complicated [ABFR16]. component
[Did17, FB15, GZ17, HHI17, KS16c, LFDP16, LCK16, STW16, Tav16, Vos17]. componentwise [CLP16a]. Composite
[SGP17a, BCM15b, JHPAT17, JW15c, LJZ15, LSS16, RZ15]. compositional
[BMT18, CFvKH18, MTZ16, MTJ17, MF16a, WKSS15, XML17]. compound
[MT17, PZNG15]. Compressibility [RLV16]. compressibility
[GZ*+17, HP17]. compressible [AIP17, AD15, AMS17, AZ16, ALA16, BTD16, BHKS16, BMR+16, BJ15, BHF15, BC16c, Cai16, CBS18, CYL+16, CYYL18, CZL18, CSN17, CC16c, CPS17, DJJ18, DG18, DWR18, DLM18, DXvW18, FMRZ17, FST15, FHA16, GOR17, GHR17, GKW16, Ger17, HL15a, HZL+15, HTZG17, HTBG15, IGQ15, JSP16, KD17a, KS17, Lap16, Ler15, Ler16, LW17b, LPR18, LSD+17, LSR16, LH17b, LSL16, LNM15, LZW+17, MM16d, MM18, NDCB17, NF17, OSKN18, ÖPHA15, PX16, PSS17, PSB+18, PM16, PWC18, PCN15a, PCN15b, PH+16, PS16, PT18, PBC+17, QLF16, QSB18, RLV16, SWC18, SWS17, SPD+17, SP15a, SGMS16, SHA16, SWPS17, SY18b, SKC17, SST+15, Svái15, TD17, TWH15, TT16, TBR17, VM15, VSM16a, VSM16b, VBF15, WW15, WLM15, WCH+17, WS15a, WDGW17, WL17, XYF+17, YSW15, YWS16, YWS+16, Zha17c, ZHA17a]. compressible [ZMCC18, dBIM16, dFVJ15, dLDG+18, dPSS16, vOMB17]. compressible-fluid [FHA16]. Compression [LY15c]. Compressive
Comput [ASS17, CNG17, Dav15, DK18a, Gho17, HGN17a, KKYW, MN17, NG18, PS15a, SWMD17a, SYV17, TK15b, ZJS15].

Computations [BDMC15, GGL, MHL17, MTD15, NL15, Pru18, ALT17, BJN18, BLL16, CC17b, CPS17, CG16, DG16a, Doh17, EMZ16, FFW17, FCL17, FBG15, GHH15, GFvR18, GLMC16, ION, KH15, KSVB18, LVTR15, LO16, LDGH16, LDHJ15, MBSS15, NCP, PSB, PK17, SCQP16, Tre16, ZHZ16, ZLX17, dMRHJ17].

Computational [AK17, BTGM17, BGTM18, BR16, Cac15a, DD16a, EH15, FKF17, Fon16, Gam15, HSK, Kat16, MSV, PQR17, VS17, WHCN17, XS15, Zoh17, ATF16, BB17, LL17, BZ16b, BKL17, CCBDL15, CV16b, HHC15, JC17, KS16a, KSV15, KP17, KZG16, KBF17, LFR17, MMNI16, Moh15, NPC15, NGS16, PVFN15, SBG, XTS, ZR17].

Computationally [HMBH15, Vac15, PMS15, SXBB15].

Computationally-efficient [HMBH15, PMS15, SXBB15].

Computations [Niu16, EN17, Fal17, FH17, FSB16, ISP, KD17a, KH17, MC15, MMS15, PKA, RDG17, RXSG15, SGC, Sha17a, SMRS18, WF17, ZS16].

compute [FDS, RG15, SKF15].

Computer [Fed17, KL17a].

computers [GP18, WLC15, YM17a].

Computing [BJTZ15, CAA18, GN16, HLTC18, VCNGP15, VCNOP18, XJ16, XZZ15, YX15, ZAK15, ZRT18].

concave [WT16].

concentrated [ZVO15].

concentration [BHdD18, Han16, LSS16, LDWZ15, SG16].

concept [AB15, SKO17].

concepts [KK17b].

concurrent [TKB].

condensates [ALT17, Rua18].

condensation [FSK, KKLS17].

condensed [MN16b].

condition [BG16a, Don15a, Don17, GSK18, GSN17, HGW18, HHY15, KLSF15, LM18, LHA16a, MK15, Mue18, Ols15, PLL15a, PZN15, PKJ18, SL16b, SJH15, Vai15, WYS16, YD18].

condition-enforced [WSY16].

Conditional [FLV18, LDHJ15].

conditioned [Cot16, JWI16, PLL16, SO17, WBC16].

conditions [AMN18, AR16a, AMP16, ABG18, BHdD18, BJ15, BNS17, BPTA16, BAR15, BMHS18, Cha16, DGL15, DS15c, DL18b, DKK15, EG18, FN17, GGT15, GVTQ16, HL15a, HTFL18, HP17, HKH16, HY15, Hue15, JSP16, JW15b, JSY15, KZR15, KHHN16, LLEK17, LXC15, LCK16, LZ17b, LFT16, MP15b, MN18c, NW15, PCGC18, PCN15b, PE16b, PMF15, PDRB17, RZ15, SS17a, SK15a, STG17, ST15, TSN16, TT15, VAD17, WSY16, WGE17, XP15, ZSX17, ZHZ16, Pan15].

conducting [DPRZ16, MML17, Par15, Par17].

conduction [CP16, HC17].

conductivity [BMP18, HS17a, KK27a, LYDB17].

cone [PS17].

configuration [MP16].

configurations [RG15].

confined [GBCF15, GBCF16, GSS15b].

Confinement [Ram17, Sid18].

conformal [ADGN17, BC16d, Dom18, ii15, MC17].

conformation [MOAA15].

conforming [RRD16].

conjugate [ALT17, MBHS17, NSK16, PLC18, STK16, VYP15, VBG16, YK15, ZVO15].

connected [LDL16].

connectivity [Liu16].

Conservation
[Sla16, BD15b, Bal15, BT16, BK16b, BLD15, Bra16a, CCRdL17, CHOR17, CS17a, Cho15, Del15, DL18a, EFT15, FPASS16, FS15, FS17b, FTA17b, GSK18, HLS15, HAH16, IC17, IDSG17, KGS17, KG15, LMBZ15, LPG18, LSI16, MDVM16, MDHC15, MRXI17, MB15, MFG15, NT15, NMM16, NR17, NG17, NG18, Nor15, Pxs17, SL18, SW17a, SWZ15, SWLZ15, SW16, SWPS17, SPP16b, SKC17, TLQ15, TM15a, TP16, VNA15, ZP16, ZQ16b]. Conservative [ADGN17, CNG99, CCK+18, IM17b, PF15, TPT16, AHNF15, AMH+18, APP+16, AM17b, BN17, BTBV15, CQ16, CNG17, CC16a, CC17b, Cha18, CD17, CSH15, DGMT17, DXvW18, DSS18, DB16b, EHX15, FGLW18, FL16, GSK18, GW17, HHA15, HSK+15, HYY15, JW16, JH17, JJ18a, JJ18b, KJC17, KL18, LGH+18, LHA15, LHA15, LHA15b, NOM+17, NN17, NF17, OvdHVH16, PA15, SGMS16, SA16, SFT16, SWLZ15, SY18b, SMAG17, TCS16a, TND18, Wac15, WWR16, WH15, WZ15, WKO17, WRL17, Zad11, ZA15b, ZG17, FRO17]. conserved [Sto17, WSS+15]. conserving [BMC+18, CC15, FGL16, HJZC17, JST17, Lap17, LS16, OD17, PG17, SLN15, SD16, TC15a, TCM15, WG16b]. considerations [Cot16]. considering [MKV+17]. consistence [LHA15a]. Consistency [Don17, AWJ17, NG17, NG18, Stui15, Stui17]. Consistent [MLB16, ADG17, BAK16, Brel17, DK18a, DK18b, DG+18, Don18, HHR15, HL15a, JSP16, KRK+18, MD18, OMLdL16, OLD+16, OLB+17, PKP+17, PN17, Pei16, PS14, PS15a, PMGW16, RM15, STK+16, TTN+16, TPK16, TTS16, Vac15, WY17]. consolidation [AGRB18]. Consortium [TM17, TK16]. constant [BMPS18, LTK15, MNR17, OKE17, WG15, ZC18]. constants [OKE17]. constitutive [TB0+16, ZLC+18]. Constrained [Cot16, CLNH15, TPB16, JME18, MAP17, Moc17, Tav15, TD16b, XX16]. constraint [BTGM17, BGT18, CEL18, FG18, RS16a, SD17, XY17]. constraint-preservation [BTGM17, BGT18]. constraints [ADE+17, DRP+16, EST17, HX16, WT15]. constructed [SGC+17]. Constructing [AEAM15, FN17, LTR16, HHR15, KV16, RT16, XY17]. Construction [HY17, RSB16, AG16, MW16b, OS15a]. consumption [FYO+15]. Contact [LRZ17, DL17, Don17, FB17, FRL15, FP18, Gan15, HW18, HKS+16, LPG16, LD15, Liu16, LDGH16, LHA16a, MAK15, PR16b, SY15, SSA17, TP16a, YY17, ZDG16, ZVO15]. contact-angle [Don17]. Contact-aware [LRZ17]. containing [KTB15]. Contents [Ano15a, Ano15b, Ano15-27, Ano15-28, Ano15-29, Ano15-30, Ano15-31, Ano15-32, Ano15-33, Ano15-34, Ano15-35, Ano15-36, Ano15-37, Ano15-38, Ano15-39, Ano15-40, Ano15-41, Ano15-42, Ano15-43, Ano15-44, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano15m, Ano15n, Ano15o, Ano15p, Ano15q, Ano15r, Ano15s, Ano15t, Ano15u, Ano15v, Ano15w, Ano15x, Ano15y, Ano15z, Ano16-48, Ano16-49, Ano16-50, Ano16-51, Ano16-44, Ano16-45, Ano16-52, Ano16a, Ano16b, Ano16b, Ano16-27, Ano16-28, Ano16-29, Ano16-30, Ano16-31, Ano16-32, Ano16-33, Ano16-34,
Ano16-35, Ano16-36, Ano16-37, Ano16-38, Ano16-39, Ano16-40, Ano16-41, Ano16-42, Ano16-43, Ano16-46, Ano16-47, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano16k, Ano16l, Ano16m, Ano16n, Ano16o, Ano16p, Ano16q, Ano16r, Ano16s, Ano16t.

Contents
[Ano16u, Ano16v, Ano16w, Ano16x, Ano16y, Ano16z, Ano17-46, Ano17-47, Ano17-48, Ano17-49, Ano17-50, Ano17-51, Ano17a, Ano17-27, Ano17-28, Ano17-29, Ano17-30, Ano17-31, Ano17-32, Ano17-33, Ano17-34, Ano17-35, Ano17-36, Ano17-37, Ano17-52, Ano17-38, Ano17-39, Ano17-40, Ano17-41, Ano17-42, Ano17-43, Ano17-44, Ano17-45, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i, Ano17j, Ano17k, Ano17l, Ano17m, Ano17n, Ano17o, Ano17p, Ano17q, Ano17r, Ano17s, Ano17t, Ano17u, Ano17v, Ano17w, Ano17x, Ano17y, Ano17z, Ano18a, Ano18b, Ano18c, Ano18d].


continuous-discontinuous [SS16c]. continuous-in-time [Fid17]. Continuously [Bar18]. continuum [CX15, CDX +18, DKC15, DPRZ16, DPRZ17, HS17a, HKS +16, Jac17a, KGP +17, LXS16, MSH +15, SSDN15, YSWW16, YXX +16, ZWG17].

time [ZGD +16]. contoured [DKC15]. contrast [KCW17, ML16, RVZB15]. contrasts [BDPM18]. Control [AEL +15a, ABG +15, APP +16, AEL +15b, BMRA +15, FW18, FDKI17, GM16, KMD +18, KYW +16, KYW +18, KSSL18, LC17a, Lot18, NJPB17, Pea15, SPX +18, SWH15, SPM16, WBM15a, YK15, ZILZ15].


convection-diusion [Cui15, HY16, HY16, LP16b, LFT +16, SPZ18]. convection-diusion-reaction [JJ17, KS15a]. convection-dominated [Shu16, WB17]. convective [Don15a, MS15b, STK +16, tEDKT17].

[CSG17, KLWQ17, NWZ18, PD16b, ZYSW16, ZZW+16]. Cubature
[PR17a, LTXB17, vdBDK17]. cubed [IDSG15, KC17a, YP17].
cubed-sphere [IDSG15, KC17a]. Cubic
[LFR17, LT17b, LY15c, LY17, PK17, SP18, SL15, ZYW16]. cubic-quintic
[ZYW16]. Cubic [LFR17, LT17b, LY15c, LY17, PK17, SP18, SL15, ZYW16, ZZW+16]. Cumulant [GPS17a, GPS17b]. cumulative
[Hig17]. Cure [Rod17, Rod18]. curl [DGL+15, LYZ18]. curl-curl [DGL+15].
Current [MSV+16, BGV17, BCB15, CCZ15, KE15, MTD15, RBGV15, WMY18, dSPDH15]. current-driven [CCZ15]. currents [AAL15, PK17].
Curvature [LHA16a, AZ17, BDPM18, CRMP16, CG16, EDvW17, IM15, LA16, OD15, OCSC18, Vog17]. Curvature-Augmented [Vog17].
curvature-inducing [LAA16]. curved [BD18, CE17, CHD+18, FB17, FP16, GSN16, HHY16, LD15, NN16, Pas16, RRD16, ZL15b, Zha16].
curves [Wal16]. curvilinear [AB17, BDV17, BC16c, CC16a, CTG16, CX16, DWR18, EHXM15, JG15, PS15b, TLR16, WR15, WWSGK17]. Cut
[ÖPHA15, BNK18, DM16, GNK18, GEZK16, LSD+17, MM16d, MM18, PHÖ+16, SGMS16]. cut-cell
[BNK18, LSD+17, MM16d, MM18, PHÖ+16, SGMS16]. Cut-element
[ÖPHA15]. cut-stencil [GEZK16]. CVD [AEI+17]. CVFEM [Dom18].
CVFEM/DG [Dom18]. cycle [SPP+16a]. cycling [SPCH16]. cylinders
[BPGS16]. cylindrical [KS15b, OVP15, OvdHVH16, SCQP16, TLH15].
cylindrically [MTD15, MDT16].

D [CZ17, CSK+16, DWGW16, PS17, Sto16, TCS16a, TRL15, VLP+16, WSH+17, ZJS15, AG16, ACS16, ALTR17, BHZ16, BK17c, BGV17, BDK+17, BS15a, BT16, BSM16, BC16c, CBC+18, CGMH18, CDL17, CGK17, CCZC16, C3Z15, CX16, CSK+16, DBD+17, DF16, Dod17, DD16b, FDS+15, FL18, FNGV18, FNGDMN18, FGL16, GBM16, GFL17, GWC18, GHL+16, HWH+16, Hu17, IG15, JKE+17, JBO15, KQB18, KE15, KES18, KC17c, KFWK17, LMP515, LM15a, LFRH17, LML+16, LG16, LHM16, LZ17a, LZT+15, MYZ17, MG15b, MC15, MF16a, MW17b, Mue18, Noe15, Nor15, PG17, PCCG18, PK17, PKJ+18, PR16a, PMGW16, PTT18, QDH15, RLP16, SNSG16, SFT16, ST18b, SCS16, SA15, ST18c, SSL+16b, TCD17, TCL15, VLP+16, WY17, WW15, WUS15, XDS17, XT17, YC17, YSWS16, YTW15, YXD+16, YPK16, ZND16]. D
[ZGJ16, ZZZ17, ZJ18, ZVO15, ZYCK15, ZZW+16, dBIM16, dJRP+15]. D-
[TCS16a]. D-VAR [FDS+15]. D/ [CSK+16]. Damage
[CF15, BHJ15, HMBH15]. damped [CZW17, YJ17, DFMM17]. damping
[HSC16, NNW17]. Darcy
[AEL+17, BMT18, LT18, MT16, Noe15, STG17, WSN+18, XML17].
Darcy-flux [AEL+17]. d’Arolla [AS17]. Data
[LK17, SG16, ATM+18, ACC+15, ADP+17, AÁPB17, BFP18, BGG16, BH15, CR17, CG18, CCM15, FG18, GS15c, GM16, GBvZ16, IPG15, KL17a, KYUO15, KZG16, LW15a, LZW+17, LHM18, LBB+17, MM15, MP17, MC15, NKN+17, PP17, PR16a, PLB18, PND16, PF15,
RPK17a, RS16a, RRM+16, RVMR17, STHW17, SWS17, SD17, Sla16, SWHV16, SSN15, TBLM15, XWW+16, XY18, YNW17, ZZ17a, ZWB+18.

Data-driven [LK17, SG16, LZB+17, LHMB18, PD16a, XWW+16].

data-sets [STHW17]. databases [ATF16, SG17].
dealiased [RB18]. Dealiasing [MDM+15]. Debye [GHJ15, MG15a]. decay [LWY17]. decaying [Bra16c].
decentered [Fal15]. decoder [ZZ18].

Decomposition

[JHPAT17, AH15, AABD15, AA15, BBD15, BLK15, BMT18, DA17, DGL+15, ETAG15, FHA17a, GFW16, HLS15, JX17, LH15, LLS15, LYA16, LMMG17, MN18a, MBST17, MCS16, PLL15b, RO16, RTV17, RBD17, SL16b, SW17, TCA16, Tav16, TT17b, TST17, TSST16, VSM17, WH16b, ZFPB16, ZYCK15].
decomposition-based [WH16b, ZYCK15]. decomposition-synthesis [MCS16].
deconvolution [WSN+15]. Decoupled [CJYZ15, FLV15, OD15, PKLC16, PKLC17, ZYSW16].
decoupling [CFG16, QWXZ17].
deep [AZ16, DGW18, FS17a, PLL15b, ZZ18].
dee...
TVB\(^{+16}\). derivative-free [FC16]. derivatives [BKP16, CZ16, CZ17, GGT15, pHzSrC15, Mac15, MD17, MN04, MN17, ZzSK15] derived [JL16].
deriving [XL17b]. descent [FSWW17, MH18b, TP16b]. described [CF15]. describing [AMM\(^{+15}\)].
Description [ALKZ16, DTA\(^{+15}\)]. Design [BTVC16, Dom18, FBC\(^{+16}\), GM16, TCS\(^{+16b}\), BDB\(^{+17}\), CC16b, GGW17, KL17a, Kou16, NP16, NW15, WLL16, WHL17, vLtTB17]. Design-order [Dom18]. Detailed [Did17, MHGM\(^{+15}\), LSYF15, MA16, VLP\(^{+16}\), XLR18].
Detection [ACC\(^{+15}\), ABT17, EEG\(^{+15}\), CW16, CW17, Gno17, JdR\(^{+18}\), KL17a, PQR17, WLL16]. detector [LS16]. deteriorating [PT17a].
Determination [HK16b, EZG16]. deterministic [Dav10, Dav15, RMC15, SS15b, TAJ\(^{+17}\)]. deterministic/stochastic [TAJ\(^{+17}\)]. detonation [Hu17, RA17, WDS15]. Development [AKZ16, BV15, BLG\(^{+16}\), CBC\(^{+18}\), DDJ17, KYPK15, TM17, YSWS16, Ani16, CYYL18]. Developments [IC17, PMF\(^{+18}\), Shu16]. deviational [Yan16a].
device [FKF17]. devices [BLL16, NOM\(^{+17}\), RKH15, WPB15]. dewetting [BJWZ17]. DFFD [CH17].
DFM [BHTT17]. DG [BBF\(^{+17}\), Dom18, FG17, JLQX15, NJ15, RXS16, Shu16, TABR17, XQ17, SL17]. DG-schemes [FG17].
DGFM [KL15]. DGTD [TRL15, SSL\(^{+16a}\)]. Diagonal [Mat17, DBZ17, KNS15, MO18, SS16b, WLK\(^{+16}\)].
Diagonal-norm [Mat17, DDJ17, MO18]. diagonalization [LWLC17, PKA\(^{+16}\)]. diagonally [HK18, NMC15]. diamond [AA15, JKE\(^{+17}\)]. diamond-difference [AA15].
diatomic [WYLX17]. diblock [CYSL]. dielectric [GW15, PKLS17].
dielectrics [MG15a]. diffeomorphisms [CRW16]. Difference [SYV17, AD17, Ali15, AA15, BBKS16, BH16a, BH18, Bra16c, Bre17, BTT18, BTWY15, CBS18, CLC16, CTG16, Che18, Cho15, CR18, CYWL17, DLK17, DvWZ18, Fan16, FGLW18, GSS15a, hGwSzS15, GS15a, GH17a, GS16, GHL\(^{+16}\), GL17, HZL\(^{+15}\), HAH16, JKE\(^{+17}\), JW15b, KW15a, Kay15, KS15a, KJYC17, KL17b, LH16, LLY16, LHMB16, Li17, LMBZ15, LY15, LY15b, LN15, LMMS16, MN04, MN17, NN15a, NF17, OLDN17, OS15a, OV17, PS15b, PS17, RBT18, RNW18, Shu17b, SYV14, SZ17, TLH15, TBO\(^{+16}\), TKP16, WLM15, WH15, WDS15, WH16a, WLW\(^{+18}\), WT15, WA18, YLY16, YHQ15, YLA15, YX15, YM15, YWHP15, ZK16, ZL15b, ZSQ17, ZQ16b, dfJN16, GSS15b]. difference-boundary [BBKS16]. difference/embedded [Cho15]. difference/finite [BTWY15]. difference/spectral [CLC16].
differences [ABFR16, CZL\(^{+15}\), CPS17, FBW16, LTB16b, MF17].

differencing [DvW15b, FAZ16, TK12, TK15b, WJD16, WBM15a]. different [LCK16, OTS17]. differentiable [Bar18].
differential [AD17, ADH\(^{+16}\), AEAM15, BG15, BZ15, BSWG15, BR17, BT15, CGS18, CAA18, CIXH15, DLD\(^{+17}\), hGwsSz15, Gno17, GN16, GX17, HO15, HBR15, HZ15, JW15c, JX15, JX17, KNS15, KR17, LLY16, LL16c, MS16a, MR16a, MTK\(^{+16}\), MTB18, NYNYM15, Opp17, PF15, RPK17a, RPK17b, RK18, RPM18, SR16, SLN15, Sub15, Sub18, TY17, TST17, TO15, VCNGP15, WZ18b, XY18, XHC15, YHKPF17, YJB18]. differentiation [CWL\(^{+16}\), LAK\(^{+16}\), YCPD15]. differentiator [SZF15]. diffraction
Diuse [FB17, PN18, ZDGW16, CSN17, De18, KS16c, LD15, NFG15, WSS+15].

diuse-interface [LD15]. Diffusion [BSWG15, LLS15, Aii15, ADHN15, ACJ17, AHKT17, BL18, BBW16, DBBEE15, BTFT17, BTVC16, Cac15b, CNOS15, CLC16, CHY18, CLR15, CG15, CCM15, Cui15, CwYjS16, DS15a, DS15b, DD16a, DMS16, DY17, Fa16, FBF15, FHE15, GSS15a, GS15a, GPS17a, GPS17b, GB15, GL17, HG17, HSC16, HY15, HSY16, JPL15, JWS16, JW16, JLS15, JL17, Kay15, KS15a, KKLS17, KBB15b, LE16, LAL18, LP16a, LPB17, LW17c, LL1NS16, LZ17b, LNS17, LNS16, LP16b, LM15c, LLN18, LFT+16, Lue15, MBSS15, MNN16, MD18, MK15, MN16a, MM15, MP15a, MMvR18, MDDM17, MSP15, MSP16, MW15, MN16c, NN18, NL18a, Nis18, PD15, QDH15, Rag15, RB15, RZ18, SAEF17, SWG+17, SY16, SYM15, SYM17, SSM15, SX15, SGA+15, SPZ18, SPRW15, SLZ+17, TWR15, TW17, TK15a, TSH17, TMT17, WZ15].

diusion [WY16, WW17, WHY17, WCL15, WZ17, YHQ15, YYN+17, YM17b, YLA15, ZSP15, ZSW17, ZJL15, ZL+17b, vEKdB16].

diusion-controlled [PD15]. diffusion-limited [BL18]. diffusion-reaction [MN16c]. diffusion-wave [DBBEE15, HSC16, YLA15]. diffusive [AJV17, BHD18, BR15b, BR16, BLC+17, JLT15, JXZ15, JL17c, MP15a, SAOW17, VP1P15]. DIII [WSU+15]. DIII-D [WSU+15]. dilute [DAO17, SG17b, Yan17].

Dimension [CLM16, TLL16, AS15, CQ15, Y17]. Dimension-adaptive [CQ15].

Dimension-by-dimension [TLL16]. Dimension-independent [CLM16].

Dimensional [NN18, AR16a, APR+15, AEL+15a, AEL+15b, AB16b, AP2T17, An17, Bal15, BVG+16, BOA17, BH16b, BGL+17, BA15, BH18, BLS16, BGG16, BG1+15, BM18, BT1Y15, CB15, CQ15, CP16, CZJ17, CL18, CJ1T17, CV16, CP16, CM18b, Cot18, CLM17, CYWL17, DCA+16, Del15, D1V15b, DZ16, DvB17, DEdW17, FDK17, FS17a, FST15, FP1T17, FK17, G1F18, GS18, GGL+17, GN16, HTFL18, Hs18, HYL17, Hue15, IG15, ISG15, IM15, JG16, JJ17, JY15, KF15, KA15, KCW17, Kou16, KS15b, LG17, LLL16, LPR18, LLL16, LLLN16, ILN17, LD15, LST15, MK15, L16a, LW17d, LW17e, LMS17, LEB+17, M18a, M117, M1D17, MBB+15, MB15, ML16, PXS17, PHHR17, PK16, P1C15a, PC15b, PR16b, PF15, Ram17, RG15, R16a, RD17, RR17, RSG17, RX115, RSE16, Rod18, SD17, SSA17, SX15, SS15, SF16, SW17, SK15].

dimensional [SLZ+17, TCS15, Tec17, TCA16, TD16a, TSH17, TZS17, TBO+16, Tre16, TB16, VCNOP18, VNA15, VSM16a, VSM16b, WSY15, WDS15, WC15, WRL16a, WRL16b, WTGC16, WHY17, WLE17, WHE17, W1G17, XM17, YSW15, Z1F15, ZK16, ZL15a, ZLL16a, ZYW16, ZBTZ17, ZCL17, ZL15c, ZW+B+18]. dimensionality [BGG16, T1B16].

dimensionally [GNK18]. dimensions [BXY17, CC16a, CM18a, CB18b, CGR17, DS15a, DS15b, DL17, FR18, FS16, HN17a, KSV18, RVZB15, SHK16, Vec16].

Diminishing [SIX16, D+18]. diodes [DS15d, JB15]. dioxide [GGL+17]. Dipole
[MML17]. **Dirac**

[ASS17, ASS13, EG17, FGLB16, HNS16, KML18, Pin15, PS17]. **Direct**

[BLD15, CR17, FKY15, KLNH17, LRA17, OMYvdP+15, PGGW18, RW15a, SAK18, BS15a, CDC17, CHY16, CYL+16, CYYL18, CC16c, CGP16, DY16, Eva18, GB15b, IM17a, KNS15, PPLC16, PG18, PVB17, RS16b, RLV16, STK+16, YS15, ZG18, Mac16]. **direct-forcing** [PVB17].

**Direct** [BLD15, CR17, FKY15, KLNH17, LRA17, OMYvdP+15, PGGW18, RW15a, SAK18, BS15a, CDC17, CHY16, CYL+16, CYYL18, CC16c, CGP16, DY16, Eva18, GB15b, IM17a, KNS15, PPLC16, PG18, PVB17, RS16b, RLV16, STK+16, YS15, ZG18, Mac16]. **directional** [PVB17].

**Dirichlet** [BLD15, CR17, FKY15, KLNH17, LRA17, OMYvdP+15, PGGW18, RW15a, SAK18, BS15a, CDC17, CHY16, CYL+16, CYYL18, CC16c, CGP16, DY16, Eva18, GB15b, IM17a, KNS15, PPLC16, PG18, PVB17, RS16b, RLV16, STK+16, YS15, ZG18, Mac16]. **discharge** [DBMB15, VBG+17b, ZCHS15].

**discontinuities** [GLTG15, HZL+15, WS15b]. **discontinuity** [DS15a, DS15b, PE16a]. **discontinuity-aware** [DS15a, DS15b].

**Discontinuous** [BHGK18, BD17, BKRK15, BKKR16, FNP17, HGN17a, JHT+18, NLW+16, OWKE16, Tac15, TSC17, TRL15, ZN16, AG16, AM17a, AS15, APKP16, ADK+17, BDM17, BCJL17, BFT17, BCB17, BD18, BT15, CGQ18, CGMH18, CWM+16, Cha18, CJ+17, CHY16, CS17a, CYL+16, CYYL18, CZ18, CCKQ15, CR18, CK16a, CK16b, DM17b, DKK+18, DLL+17, DL16, EHXM15, FWK17, Fer17, FBM16, FS16, FS17b, GW16, GCVKM15, GSN17, GX15, GH15, HS18b, Ism15, JH17, JTD16, KDF15, KM16b, KFFE+17, KRGF16, KG15, KFWK17, LMH16, LLP+16, LP16a, LPR18, LX18, LSR16, LT16b, LP16b, LY16b, LW17e, LSZ18, LLLN18, LHL15, LI15, LS16, MSG18a, MLM18, MRRF18, MK17, MN16a, MKC17, MF16a, MSP15, MSB+16, MMPS17, MH17, NNM17, NJ15, NPC15, NPPC15, NDLC17, Nis18, OKWE17, OKE17, PL16a, PE16a, PC15a].

**discontinuous** [PP17, PP18b, PMB18, QSY16, QDH15, RXSG15, RDM15, RBL16, SPX+18, Say17a, Say17b, Sch16b, SWG+17, SMP16, SZ15b, SS16c, SPZ18, Sli16, SC18, TH18, TD16a, TD17, TD18, TE16, TM15a, TXKv15, TXKV16, TLB+18, U16, VPV+17, VCNP18, WW15, WGT16, WE17, WGW17, WG15, WB15b, Xia15, XJLQ15, XL16, YY16, Zha16, ZHL17, Zha17c, ZF18, ZT17, dFVJ15, vOMB17, HGN17b, OLHD17, PSB+18, DDM18, RHS18].

**discontinuous-Galerkin** [NJ15, Sch16b]. **Discovering** [PPCK17]. **Discrete** [ACGR15, BNS17, LMPS15, LPG18, MHS16, SP18, WYZZ18, AEL+17, ADHN15, BCTT17, BB+16, BPS16, BC18, BHTT17, CC17c, CV18, CWYS16, De15, DGW17, EFH17, HLM17, HLY15, Hwa16, JLQX15, JKE+17, LFRH17, LC15, Loz17, MWD16, MRM16, MZ15, NMA15, NN16a, NN17, NN15b, OWKE16, OKWE17, PL16b, SSDN15, SV18, SW18, SGL17, SLZ+17, TAH16, VLTP16, VBF15, Xia15, XRM15, YSWS16, ZNX15, SMAG17, dPS16]. **discrete-adjoint** [VBF15]. **discrete-forcing** [LC15]. **discrete-time** [MWD16]. **discrete-velocity** [HLM17, JLQX15]. **discrete/continuum** [SSDN15]. **discretely** [Cha18]. **discretisation** [ABP+16, DXTW18, GBD+15, OLHD17, OWKE16, SS15, SMI18, DDM18].
discretisations [MRRRF18, OKE17]. Discretization
[Dav10, Dav15, FPDT17, AD15, AVT17, BHE\textsuperscript{+}17, BFNGDNR18, BKR\textsubscript{B}15, CDM\textsuperscript{+}16, CGS18, CI17, CM15, CHD\textsuperscript{+}18, DvB17, DS15d, DL18b, EG17, FNGDNR18, FW17, GDA16, Her16, HLML17, HK15b, KML18, LMMS16, MS18, MM\textsubscript{R}18, MHS16, Nis15, NL17, Nor15, OvdHVH16, PG17, PG18, DM18, QLF16, RBL16, STK\textsuperscript{+}16, SKF15, TCS17, VDP15, VB\textsubscript{G}\textsuperscript{+}15, VK16, YP17, ZP16, ZZKF15]. Discretizations
[SYV17, BGGM15, BCB17, BSM16, CHOR17, FKF17, FWK17, KD17b, MX16, PE16a, RN18, SLVE18, SYV14, TMH16, WX17, ZSX17]. discretize [DBMB15]. discretized [HR18, JW15c, SWG\textsuperscript{+}17]. Discretizing [POSB16, SP18].

Discretizations
[SYY17, BGG15, BCM17, CHER17, FKF17, FWK17, KD17b, MX16, PE16a, RN18, SLVE18, SYV14, TMH16, WX17, ZSX17]. discretize [DBMB15]. discretized [HR18, JW15c, SWG\textsuperscript{+}17]. Discretizing [POSB16, SP18].

Discretizations
[SYY17, BGG15, BCM17, CHER17, FKF17, FWK17, KD17b, MX16, PE16a, RN18, SLVE18, SYV14, TMH16, WX17, ZSX17]. discretize [DBMB15]. discretized [HR18, JW15c, SWG\textsuperscript{+}17]. Discretizing [POSB16, SP18].

Discretizations
[SYY17, BGG15, BCM17, CHER17, FKF17, FWK17, KD17b, MX16, PE16a, RN18, SLVE18, SYV14, TMH16, WX17, ZSX17]. discretize [DBMB15]. discretized [HR18, JW15c, SWG\textsuperscript{+}17]. Discretizing [POSB16, SP18].

Discretizations
[SYY17, BGG15, BCM17, CHER17, FKF17, FWK17, KD17b, MX16, PE16a, RN18, SLVE18, SYV14, TMH16, WX17, ZSX17]. discretize [DBMB15]. discretized [HR18, JW15c, SWG\textsuperscript{+}17]. Discretizing [POSB16, SP18].

Discretizations
[SYY17, BGG15, BCM17, CHER17, FKF17, FWK17, KD17b, MX16, PE16a, RN18, SLVE18, SYV14, TMH16, WX17, ZSX17]. discretize [DBMB15]. discretized [HR18, JW15c, SWG\textsuperscript{+}17]. Discretizing [POSB16, SP18].

Discretizations
[SYY17, BGG15, BCM17, CHER17, FKF17, FWK17, KD17b, MX16, PE16a, RN18, SLVE18, SYV14, TMH16, WX17, ZSX17]. discretize [DBMB15]. discretized [HR18, JW15c, SWG\textsuperscript{+}17]. Discretizing [POSB16, SP18].

Discretizations
[SYY17, BGG15, BCM17, CHER17, FKF17, FWK17, KD17b, MX16, PE16a, RN18, SLVE18, SYV14, TMH16, WX17, ZSX17]. discretize [DBMB15]. discretized [HR18, JW15c, SWG\textsuperscript{+}17]. Discretizing [POSB16, SP18].

Discretizations
[SYY17, BGG15, BCM17, CHER17, FKF17, FWK17, KD17b, MX16, PE16a, RN18, SLVE18, SYV14, TMH16, WX17, ZSX17]. discretize [DBMB15]. discretized [HR18, JW15c, SWG\textsuperscript{+}17]. Discretizing [POSB16, SP18].
[AB16b, ABFR16, And16, ABG18, BLS16, BTT18, BC16c, DGHP17, FH17, FYZ+15, FBF15, GSN16, GLS15, GN16, GLTG15, JW16, JGS16, JTD16, KADE15, KADE17, KBR17, KJ17b, LPGT16, LB15, LCK16, LC16, MMNI16, MTZ16, NN15a, NGY+17, NSK+16, NN16, OLD+16, PKN17, RB15, ST17, SHW18, SGT16, SGT17, Tow18, Tsa16, VYN+17, YDCK16, YLA15, ZL15b]. dominated [Shu16, WB17]. Doppler [DJD+17, JDIFS16]. dosimetry [KSV+15]. Double [LH16, BLC+17, EG16]. double-diffusive [BLC+17]. double-sweeping [EG16]. Doubly [YL18, BLS16, HTFL18, LB16, NL15]. doubly-asymptotic [BL15, NL15]. Double [LH16, BLC+17, EG16]. double-diusive [BLC+17]. double-sweeping [EG16]. Doubly [YYL18, BLS16, HTFL18, LB16, NL15]. doubly-periodic [HTFL18, LB16, NL15]. down [CLL17]. DP [KCW17]. DPD [GZM+17]. DPD-based [GZM+17]. DPG [FKDL17]. drag [Eva18, GSI17b, HM16b, ID17]. drift [HK15a, LC17a]. driven [AZ17, BC16d, CPT16, CCO15, CEL15, CV16b, DM17a, DS16, DVP+16, EN17, LB17, LMB18, LA16, PD16a, SG16, Str17, XWW+16, YDCK16, Zoh17, dLGT+17]. driving [BHZ16]. drop [BLJ17, JJS15]. droplet [BKG15, GLT18, LZ15b, IWC17]. droplet-laden [BKG15]. droplets [LD17, ST18c]. drops [FD17, ST18c]. DRP [Bra16c]. Drucker [LEB+17]. drum [Ant17]. drying [ABT16, FKY15]. DSMC [Mac16, GJ15, GRS15, KJ17b, KJ18, MC16, RMC15, RSSSE18, WPB15]. DT [Nor15]. Dual [HL15b, MN18c, Sti17, WSN+18, AAE17, CLP16b, DZ16, GCVCH18, LWY18, NG17, N18, OKWE17, Par18, SFDE15, TC15b, ZD17]. Dual-consistency [Sti17]. dual-corrected [SFDE15]. dual-porosity [GCVCH18]. Dual-scale [WSN+18]. dualism [Luc15]. duals [DP016]. duct [BBKS16]. ducts [CV16a]. due [LM16, MCS16, SZY16]. DUGKS [ZW17]. during [TYD16]. DVM [YSWW16]. Dynamic [DD16b, GSN17, LWY18, NLK+15, VKE+18, APP+16, AF18, CL16, CvKH16, CfKH18, EST17, FGL16, Gan15, HKS+16, IGQ15, KSVB18, LMC16, LGD17, MRA16, MG15b, MNG15b, MS15c, MM17, NFG15, OSC18, PD17, TYD16, WY17, WS15b, ZZ17b, XDL17]. dynamic-solver-consistent [WY17]. dynamical [B1017, BW18, EL17, GS15b, Lia16, NW17, OSP17, OB17]. Dynamically [LKZ16, MN18c, CYS17, DBMB15, KG15, MD18, PS16]. dynamically-orthogonal [BCSK17]. Dynamics [BL18, WB16, AGB15, AWS16, AF18, ATZ16, AB16, BJTZ15, BHdD18, BC18, BBW16, BLS15, BLJ17, BZ16b, DMM15, Dav10, Dav15, DPK17, DG16c, DLR15, DFS16, DPRZ17, EJZ17, F17, GS15c, Gen15, GBM16, HSLQ15, HSLQ16, HK15a, HM16a, HMBH15, HM17, il15, il17, JME18, JB15, JLFK17, KM17, KBK15b, KP15b, Kor17, KS17, LS17, LSL917, LFR17, LS15b, LS16a, LBTK18, LK16b, ML17, MD15, MGB+18, MMW15, MFG15, NPC15, NLL+15, NLW+16, PLL+15a, Par18, PQR17, PCBG18, RS17, RHS18, SWC18, Say17a, Say17b, SVG18, SHKL16, ST15, SY18b, SSX16, SMAG17, Sto17, SiH17, SAOW17, SZ15, TY17, TP16a, TAJ+17, TR17, WE15, WTS+17, WH16b, WYA+17b, XZZ15, XWW17, YZW+18, ZL15a,
ZLH$^{+17}$, ZD$^{+17}$, ZLC$^{+18}$, HSB$^{+16}$, YDCK$^{+16}$.

**Eady** [YSC$^{+17}$]. **EAM** [YZW$^{+18}$], **EAM/FS** [YZW$^{+18}$]. **EAM/FS-type** [YZW$^{+18}$]. **earthquake** [DD16b]. **Eca** [EH15, XS15]. **ECGs** [NCP$^{+17}$]. **Eddy** [FNP17, PD17, TABR17, BGV17, BR15a, BPM18, BJ16, CWS18, CLB$^{+16}$, CC16c, DLLV17, Fer17, FG17, KH15, MD16, MMPS17, NYNYM15, PK17, RS16b, RWG18, RBGV15, SMD18, VV16, CL16, CWS18, LLM17]. **eddy-current** [BGV17]. **eddy-resolving** [MMPS17]. **eddy-viscosity** [CWS18]. **edges** [HK16b, Tsa16]. **effect** [GR15, LYDB17, PQR17, SAH17, VALT16, WX17, XR17]. **Effective** [DGL$^{+15}$, GVTQ16, XLY15, BPS16, CPT16, CBC$^{+18}$, Cot16, HS17a, LK17, PVFN15, VS17]. **Efforts** [NNW17, AAL15, GZM$^{+17}$, Gen11, Gho17, HCW15, HW15c, KD17a, KCS$^{+17}$, LW17b, MAH16, MLB16, NWZ18, ST16, SPD$^{+17}$, SSL$^{+16a}$, SP16c, VCNOP18, WTL17, YT17]. **efficiency** [BHZ16, BT17b, Die15, KK16, LWY18, WBC$^{+16}$]. **Efficient** [AG16, ALT17, BL18, BGV17, CS16c, CLS$^{+18}$, CM18a, CYS17, CLGA17, DNH15, ESHA16, FNGV18, HE15, HMM17, KAR17, LZ16, Lia16, LNL16b, MBS15, MS16a, MPT16, MN16a, NMA15, NPC$^{+17}$, PLC18, SB17, SY15, SDM$^{+17}$, SPRW15, TRM16, VSM17, WJD16, XL17a, YM17a, ZS15, bWAW15, ARG$^{+17}$, ADGN17, ALM$^{+17}$, APK16, BG16, BCM15a, BST15, CC16, CC17a, CE18, CCZC16, CG17, CZJ17, CPS17, DZ18, DY16, DLN15, DLNR18, DOO17, DB16b, EMZ16, FB15, GEB$^{+15}$, GS15b, GLZ16, GP16a, GLTB18, GWC17, GX15, HTFL18, HHC15, HMBH15, HWA15, HC17, IPSG15, KC17a, KI17, LM15a, LKK17b, LR16, LW17, LHY17, LPBR15, LW17, OSK18, PXL16, PS18, PMS15, PK18, PSP16, RT16, SXB15, SGS16, SO15, SSN15, SF16, Tav15, TRL15, VBG$^{+17a}$, VD16, WLW17, WSO16, WS15a, XX17, XWW17]. **efficient** [ZZDB15, ZL15b, ZGD$^{+16}$, dlCGCA17]. **efficiently** [Cac15a, Cac15b, ZWUR16]. **eigenfields** [HK16b]. **eigenfrequency** [ZC18]. **Eigenmode** [GFvR18]. **eigenmodes** [ABT17]. **eigenpairs** [VYP15]. **Eigenproblems** [MBJ16, MBN17]. **Eigensolution** [MSP16, MDMS18]. **eigensolver** [AAB$^{+16}$, ZGD$^{+16}$]. **eigenvalue** [ABN15, BDK17, CXX16, GVF18, HLTC18, JPLL15, KL16, KFL17, Loh17, PKA$^{+16}$, PGH15, XZ15, YM17c]. **eigenvalues** [ABFR16, ABT17, HXB15, HSSZ16, Jac17b]. **eikonal** [LP17b, NCP$^{+17}$, TH16, YS17, bWAW15]. **Einstein** [ALT17, Rua18]. **elastic** [ABT17, BXY17, Buk16, CHT17, CHJT17, DL17, DWW15, DPRZ16, DKK15, DD16b, GTH18, GFG$^{+15}$, GHT17a, GFL17, GC17, GBS15, Heu17, KTK15, KLV15, KLRT15, KH18, LC15, LWZ16, PS15b, RM16, RR16, SZW$^{+16}$, SCQ16, SI17, SZF15, VK15, WJD16, WTL17, ZZZ17, ZZW$^{+16}$,
ZBZ$^{+18}$, dTP16. elastic-acoustic [RRD16]. elastic-electrostatic [DL17].
RBL16, SNSG16, SPX+18, SDMS17, SWZ15, SW16, SWPS17, SZW+16, SY18a, SLVE18, SA15, SFDE15, SSO+15, SZ15b, SDW16, SS16c, Sov16, TCD17, TH18, TD18, TC15b, Tre16, URL16, VKE+18, WYZ18, WG15, WSF17, WHZ18, XWL+16, XZ15, XJ16, YSC+17, YYN+17, YX15, ZS16, ZS15, ZL15a, ZGJ16, ZHLZ18, ZBZT17, DJV+18. element-based [HMFJ18, JTD16, KG15]. element-wise [MN16c]. Elementary elements [KD17b].

ELF [Chu17]. ellipsoids [PGCG18]. elliptic [AR16b, BFFB17, LL17, CWW17, CR18, EPMD18, FSWW17, FPDT17, GLTG15, GY17, GY18, HL15b, HPH17, HS17, KKL15, KCW17, LMMS16, MWYZ16, OKE17, PHHR17, SR16, SDW16, Vab15, VCNP15, WTGC16, WHE17, ZILZ15, ZHW18]. Embedded [CK16b, SMSR18, vLT1BI17, AMS17, Cho15, DD16b, HDF18, KKJ16, KP15b, MA17, NPC15, PBKK17, TA16, WBM15a, BM15]. emergent [BWR15]. emphasis [AP16].Empirical [dPS16, ABdC+18, NMA15, YZW+18]. Emulation [LBTCG16, MRA16, XTS+16]. emulator [ZKS+15]. enabled [KMD+18].

Enabling [YXD+16]. encoder [ZZ18]. encoder-decoder [ZZ18]. endocytosis [LAA16]. energetic [AMA18, CSY15]. energetic-particle-magnetohydrodynamics [AMA18]. Energetically [MXL16]. energies [BJW17]. Energy [BCJL17, CCBdL15, CGS18, CCZ15, LCF16, MRX17, NMM15, OLDN17, OKWE17, RKK15, SL16c, AK17, AJW17, Bra16a, BMC+18, CCD15, CCRdL17, CJYZ15, CS16c, CLs+18, CLL17, CEL18, CVG18, Don15a, DS15c, FPASS16, FG17, GZ18, GH+16, GGT18, GX15, HPV16, HJZC17, HLS15, HW15b, JLFK17, LMH16, Lap17, LM18, LW15b, LSS16, LLF+15, LW17e, MDMS18, NNM16, NNM17, NN15a, PG17, PS14, PS15a, PME+15, RSB16, SYY15, SLN15, SD16, Sto17, Suz18, TC15a, TKC15, TCM15, Tav15, Tav16, TT17a, TKP16, VV18, VV16, WH15, WJD16, WW18, WCL15, Yan16b, YH17, YZW17, YCS+17, ZYS16, ZN16]. energy-balanced [PME+15]. Energy-based [CGS18, YCS+17].

energy-conservation [CCRdL17]. Energy-conserving [CCZ15, HJZC17]. energy-preserving [CCdL15, LW15b, WW18]. energy-stable [Don15a, DS15c, LM18, MDMS18]. energy-transport [HW15b].

Energy/dissipation [SL16c]. Energy/dissipation-preserving [SL16c]. enforced [WSY16]. enforcement [LHGF16]. Forcing [GSK18, MN16c]. engulfment [TYD16]. enhanced [BHMS18, GNZ18, iL17, MZAF17, MH18a, PHD16, XR17, XM18].

[PG17, SLN15, SD16]. enthalpy [HW15c, HW16c]. enthalpy-based [HW15c, HW16c]. entropic [DCBK15]. Entropy [CS17, SLN15, SD16]. enthalpy [HW15c, HW16c]. Entropy-based [HW15c, HW16c]. Entropy-satisfying [DCBK15]. Entropy-bounded [HW15c, HW16c]. Entropy-residual [DCBK15]. Entropy-stable [HW15c, HW16c]. Entropy-bounded [DCBK15]. Entropy-satisfying [DCBK15]. Entropy-stable [HW15c, HW16c]. Entropy-based [DCBK15]. Entropy-bounded [HW15c, HW16c]. Environment [TCS+16b]. EOS [FSB16]. EPIRK [RT16]. epitaxy [Xia16]. epsilon [Lot18]. Equation [ACGR15, AMN18, AAE17, Ali15, ASS13, ASS17, AMP16, ABFR16, An17, An16, ADK+17, ABHI18, AHKT17, Ata15, ALT17, BJRF18, BM15, BK17b, BJT17, BL15, BLA+15, BNM15, BBF+17, BDI+17, BPI+18, BNS17, BH18, BWR15, BBKS18, BCM15a, BGM15, BR17, BTT18, CQ16, CI17, Cha16, CC16, TCL16, CM18a, CD17, CHCC18, CMH15, CV18, CV16b, CR17, CV18, CLM17, Cui15, CHLZ17, DD16a, DvB17, DLNZ18, DS15d, DIL+17, DJLQ18, DBM15, DKK15, EG17, EO15, EAM15, EG16, ESM17, FS16, FGLB16, FLT17, FSM16, GR18, GMP15, GMP16, GSM16, GBD+15, GN16, GWCC17, GL17, GL17, HW15a, HR18, HB16, HW16a, Her16, Hiv18, HLML17, HSC16, HW15b, HJ16, HXX18, HX18, HXY15, HMR16, JW15c, JL16, JLL15, J17, KS16a, KMD16, KTN15, KKS15, KKS16, KJL17, KL17b, KL15]. equation [KL15, LFR17, LSL15, LL15, LTK16, LJZ15, Linear16, LZ17b, LDW15, LY16b, LK16a, LT18, LAY16, LM15d, LQ16b, LP17a, MK17, MS15, MST15, MZTS16, MR17, MS17, MLM17, NH17, NPRC15, OC18, OT15, OL16, OKW16, PFK16, PKJ+18, PL16b, PS14, PS15a, PLL15b, PDB17, Pin15, PS17, RBI18, RG15, RM16, SL15, S17a, STE16, SM16, SL15, SK15a, SLL16, SL16a, SWK18, Sm18, ST18c, SH18, SPR15, Sto16, SV17, SK15b, SZ17, TCM15, TK15a, TV16, TSL17, Ter18, TBO+16, TCL15, TH16, T15, T15a, T16, Vab15, Vab18, VSM17, Vee16, Vee16, WSJ16, WY16, WH16a, WLG+18, W18, WOE17, WBCC16, WZ15, WZ15, WZ15, WA18, XWB15, XI16, XLL15, QX17, YHL16, Y17, Yan17, YJB18, YLA15, YM15, YM17c, YC16, YL17, ZND16]. equation [ZLJ16, ZYW16, ZBYT17, ZSS17, ZYY15, ZLL+17, aKT16, bWAW15, dLHC16, MSG18a, MSG18b]. equation-based [OC18]. Equations [HO15, AG16, AD15, AR16a, AD17, AKZ16, AS15, AJW17, ABH18, ADH+16, AT16, ABR16, ABG18, EAM15, AB17, BDT16, BV15, BK17c, Beg15, BCB15, BP18, BDM17, BA15, BZ15, BDBE15, BLM17, BTB15, BCJL17, BSWG15, BHG18, BHF15, BC16c, BTW15, BT15, BTVC16, CZW17, Cap18, CGS18, CRW16, CW16, CA18, CXX15, CC16, C16, CHZ16, CS16b, CHY16, CL18, CYL+16, CYY18, CDN17, CCK+18, CCKQ15, CV16, CFST16, CE17, Chn17, CRZ17, CCM17, CLP16b, CHD+18, CEF15, DA17, Del15, DWG+18, DG16b, DKK+18, DGL+15,
DMSC16, DMTB15, ETAG15, EFHZ17, Fal16, FKF17, FWK17, FSWW17, FBW16, FP16, FLV18, FRRV16, GS16, GS15b, GSS15a, hGwSzS15, GS15a, GVK16, GP16a, GBM16, GCVMK15, GO16, Gno17, GHL^+16, GP16b, GTG15, GY15, GX17, HPY18, HE15, HdBH^+16, HBR15. \textbf{equations} \[HHCG15, HJZC17, HTMP17, HY16, HY15, HZ15, HYH16, HS18b, HSF17, Ism15, JLQX15, JW15b, JW16, JX15, JZ16, JX17, JZX15, JL17c, JFS17, Kay15, KNS15, KA15, KR17, LPWK15, LM18, Ler15, Ler16, LLS15, LZ15a, LXC^+15, LYC16, LX16, LDL^+16, LT17a, LZ17a, LGH^+18, LX18, LL16c, ILNS17, LP16b, LSXC16, LW17d, LIW18, LLLN18, LHL15, LFT^+16, LHQ16, L15, MMN16, MD17, MD18, MM16b, MLM18, MGT18, MS15b, MS16a, MG15b, MR16a, MA17, MKC17, MH18a, MPFL16, MDBC17, MBBKTH17, MDDM17, MHS16, Moh15, MFB18, MTK^+16, MN16c, MTBT18, MN18c, NMM15, NLFM16, NW15, NN16, OS15a, Opp17, OvdHVH16, PG17, PXL16, PC15, PPC17, PJC16, PCN15a, PCN15b, PS16, PTT18, PE16b, PND16, PE15, PDRB17, PBB15, PMB18, Pop15, QHZ^+15, QDH15, RMA17, RPK17a, RPK17b, RK18, RPM18. \textbf{equations} \[RDM15, SKP^+15, SP18, SP15a, Sch16a, Sch16b, SWG^+17, SZ15a, SR16, SMS16, SY16, SLB^+16, SY16, SYM15, SY17, SYM15, SY17, SPP16b, SX15, SE16, SPZ18, SD16, Stü15, SL16b, SL16c, Sub15, SJ15, SXL15, SJH^+15, SJX17, SCS18, Swä15, TW17, TY17, TD16a, TD17, TP17, TC15b, TXkvD15, TXkvD16, TST17, TTT16, TLC15, TC15c, TO15, TMH18, UL16, VST16, VS17, VCNG15, WV17, WW15, WR15, WH15, WZ15, WX15, WRL16b, WTGC16, WHY17, WCL15, WR16, WWG17, WGI5, WG16b, WBM^+15b, WZ17, WZ18b, XDSX17, XY18, XHC15, XL16, YC17, YJ17, YHQ15, YY^+17, YHKP17, YTW15, YWHP15, ZZK16, ZAI5a, ZSP15, Zha17c, ZHS18, ZLFW18, ZED15, ZJL16, ZQ16a, ZSQ17, vOMB17, NMM17, PMF^+18]. \textbf{equatorially} [iI17]. \textbf{equidistant} [WWRS17]. \textbf{equilibrated} [GHP15]. \textbf{equilibria} [HR17]. \textbf{equilibrium} [BJ15, BWR15, CwYjS16, DRM15, FH17, GMLD18, HFM17, HKKP16, IKI15, MPP15, RG15, STR15, TCS17, T16, WG16a, WMS18, YHQ15]. \textbf{equilibrium-preserving} [TCS17]. \textbf{equilibriums} [NF17]. \textbf{Equivalence} [ZN16, ACCCD^+17]. \textbf{equivalent} [KE15]. \textbf{ERENA} [MTK^+16]. \textbf{Ericksen} [NWZ18]. \textbf{ERK} [MW16b]. \textbf{erodible} [LMK15]. \textbf{erosion} [MS17]. \textbf{erroneous} [NN16]. \textbf{Error} [Kri17, PDRB17, RS17, AMK17, AGRB18, AR16b, BH16b, CI17, CNOS15, DZC16, FC16, GWE^+15, HFN18, Hwa16, JW15a, KKJB16, LKN17, MM15, OKWE17, RL17, SD17, SW15, TS17, WA18, YY16, ZH15]. \textbf{errors} [AAPB17, Dav10, Dav15, HDA^+18, Iwa15, LM16, LZL^+17, SZY16]. \textbf{esophageal} [KBG15, KGP17]. \textbf{essentially} [HWA15, LJ16, MWB^+15a, ZQ17]. \textbf{estimates} [DZC16, IM15, JW15a, JES15, YY16]. \textbf{Estimating} [SZY16, TR17, WLK^+16, STR15]. \textbf{Estimation} [EDvW17, AMK17, AGRB18, Cha16, CN16, EH14, EH15, FAZ16, GP16b, ISP^+15, KM17, KRFV16, PKW17, RFGSV15, RL17, SW15, TT17a, TS17,
WN17, XS15, ZH15, dFGS^17. estimator [Opp17]. estimators [LB17, OKWE17]. Euler [AG16, Bal15, BLMY17, CBC^+18, CCK^+18, CGS15, CHD^+18, DKK^+18, GWK16, GP16b, HY16, ID17, Ler15, Ler16, LX16, LX18, LI15, MS15b, MH18a, MMPS17, PXLL16, PS16, PDRB17, PZF16, TCL15, WW15, WR15, WRL16b, WDGW17, XDSX17, ZLFW18, vOMB17]. Eulerian [LB17, OKWE17]. evaluators [Opp17]. estimators [LB17, OKWE17]. Euler [AG16, Bal15, BLMY17, CBC^+18, CCK^+18, CGS15, CHD^+18, DKK^+18, GWK16, GP16b, HY16, ID17, Ler15, Ler16, LX16, LX18, LI15, MS15b, MH18a, MMPS17, PXLL16, PS16, PDRB17, PZF16, TCL15, WW15, WR15, WRL16b, WDGW17, XDSX17, ZLFW18, vOMB17]. Eulerian [LB17, OKWE17]. evaluators [Opp17]. estimators [LB17, OKWE17]. Euler [AG16, Bal15, BLMY17, CBC^+18, CCK^+18, CGS15, CHD^+18, DKK^+18, GWK16, GP16b, HY16, ID17, Ler15, Ler16, LX16, LX18, LI15, MS15b, MH18a, MMPS17, PXLL16, PS16, PDRB17, PZF16, TCL15, WW15, WR15, WRL16b, WDGW17, XDSX17, ZLFW18, vOMB17]. Eulerian [LB17, OKWE17]. evaluators [Opp17]. estimators [LB17, OKWE17]. Euler [AG16, Bal15, BLMY17, CBC^+18, CCK^+18, CGS15, CHD^+18, DKK^+18, GWK16, GP16b, HY16, ID17, Ler15, Ler16, LX16, LX18, LI15, MS15b, MH18a, MMPS17, PXLL16, PS16, PDRB17, PZF16, TCL15, WW15, WR15, WRL16b, WDGW17, XDSX17, ZLFW18, vOMB17]. Eulerian [LB17, OKWE17]. evaluators [Opp17]. estimators [LB17, OKWE17]. Euler [AG16, Bal15, BLMY17, CBC^+18, CCK^+18, CGS15, CHD^+18, DKK^+18, GWK16, GP16b, HY16, ID17, Ler15, Ler16, LX16, LX18, LI15, MS15b, MH18a, MMPS17, PXLL16, PS16, PDRB17, PZF16, TCL15, WW15, WR15, WRL16b, WDGW17, XDSX17, ZLFW18, vOMB17]. Eulerian [LB17, OKWE17]. evaluators [Opp17]. estimators [LB17, OKWE17]. Euler [AG16, Bal15, BLMY17, CBC^+18, CCK^+18, CGS15, CHD^+18, DKK^+18, GWK16, GP16b, HY16, ID17, Ler15, Ler16, LX16, LX18, LI15, MS15b, MH18a, MMPS17, PXLL16, PS16, PDRB17, PZF16, TCL15, WW15, WR15, WRL16b, WDGW17, XDSX17, ZLFW18, vOMB17]. Eulerian [LB17, OKWE17]. evaluators [Opp17]. estimators [LB17, OKWE17]. Euler [AG16, Bal15, BLMY17, CBC^+18, CCK^+18, CGS15, CHD^+18, DKK^+18, GWK16, GP16b, HY16, ID17, Ler15, Ler16, LX16, LX18, LI15, MS15b, MH18a, MMPS17, PXLL16, PS16, PDRB17, PZF16, TCL15, WW15, WR15, WRL16b, WDGW17, XDSX17, ZLFW18, vOMB17]. Eulerian [LB17, OKWE17]. evaluators [Opp17]. estimators [LB17, OKWE17]. Euler [AG16, Bal15, BLMY17, CBC^+18, CCK^+18, CGS15, CHD^+18, DKK^+18, GWK16, GP16b, HY16, ID17, Ler15, Ler16, LX16, LX18, LI15, MS15b, MH18a, MMPS17, PXLL16, PS16, PDRB17, PZF16, TCL15, WW15, WR15, WRL16b, WDGW17, XDSX17, ZLFW18, vOMB17]. Eulerian [LB17, OKWE17]. evaluators [Opp17]. estimators [LB17, OKWE17]. Euler [AG16, Bal15, BLMY17, CBC^+18, CCK^+18, CGS15, CHD^+18, DKK^+18, GWK16, GP16b, HY16, ID17, Ler15, Ler16, LX16, LX18, LI15, MS15b, MH18a, MMPS17, PXLL16, PS16, PDRB17, PZF16, TCL15, WW15, WR15, WRL16b, WDGW17, XDSX17, ZLFW18, vOMB17]. Eulerian [LB17, OKWE17]. evaluators [Opp17]. estimators [LB17, OKWE17]. Euler [AG16, Bal15, BLMY17, CBC^+18, CCK^+18, CGS15, CHD^+18, DKK^+18, GWK16, GP16b, HY16, ID17, Ler15, Ler16, LX16, LX18, LI15, MS15b, MH18a, MMPS17, PXLL16, PS16, PDRB17, PZF16, TCL15, WW15, WR15, WRL16b, WDGW17, XDSX17, ZLFW18, vOMB17]. Eulerian [LB17, OKWE17]. evaluators [Opp17]. estimators [LB17, OKWE17]. Euler [AG16, Bal15, BLMY17, CBC^+18, CCK^+18, CGS15, CHD^+18, DKK^+18, GWK16, GP16b, HY16, ID17, Ler15, Ler16, LX16, LX18, LI15, MS15b, MH18a, MMPS17, PXLL16, PS16, PDRB17, PZF16, TCL15, WW15, WR15, WRL16b, WDGW17, XDSX17, ZLFW18, vOMB17]. Eulerian [LB17, OKWE17]. evaluators [Opp17]. estimators [LB17, OKWE17].
external [ESGS17, LC17b, WH16b]. Extra [CSS15]. extracting [KKP15]. extraction [LLM17, ZJ18]. Extrapolated [MVK16, EMSS17, FBF15]. Extrapolation [LH17a, SLH18, HK18, LWY18, PHHR17]. Extrapolation-based [LH17a, SLH18]. extrema [Kri17]. extreme [VYP15].

F [SMT+16, TAH16]. F-AMS [TAH16]. F-MsRSB [SMT+16]. face [PF15, SP18]. face-centered [SP18]. faceted [SMAG17]. FaCSI [DFGQ16]. factor [JZ16, TWN15, WCN15]. factored [TH16]. factorization [HSF17]. factors [BPF+16]. failure [CL17, PKW17, RC18, WILL16]. family [FHL18, JZX18, YC17]. far [ZZ17a]. far-field [ZZ17a]. far-field [VAD17]. FAS [FGLW18]. Fast [BFI+16, BDKK17, CDL17, CKQT15, CEL18, DY17, EFT15, For16, GWC18, GP16b, HS17a, JW15b, NPP15, PLB18, RKO17a, SPM16, VGF16, WZR15, WZ17, YGJ18, Yan17, ZZK16, ZSP15, AAB+16, AAD16, AC17, BSK15, CV16b, DG16b, DLR15, DWW15, DHC16, FHS17, Gao17, Jac17a, JW15c, JW16, JLC15, KNS15, KLVQ17, LKB15, LGH+18, LLLNS16, LC16, LC17b, LQB16, MST15, Moo15, MTK+16, NRZ17, NLL+15, PR17b, RLPL16, RL17, SO17, St16, SL16b, SLZ+17, TCD17, TH16, WQZ15, WW17, WZRZ15, WZL+17, XB18, YS17, ZG18, ZVO15, ZGD+16, aKT16, GKE15].

fast-marching [NLL+15]. faster [Mac16]. fatigue [CF15]. fault [FFJT16, LKK17a]. fault-resilient [LKK17a]. faults [DD16b]. FC [AB16b]. FC-based [AB16b]. FCIF [MHL17]. FCT [BK17c]. FD [MF17, PZNG15, Shai17b, BFFB17, DA17, FFBB16, FL16, PGCG18, PLR18, Shai17b, TLL15]. FDTD [DPO16, FYZ+15, DV17, MBM+15, SP18, SL15, SSM+17, Tie16, WSOW16, ZFZL15]. FE [SSC+16, ZBZ+18]. feature [Gao17, KLA17]. feedback [KL16]. Fekete [PR17a]. FEM [HL1+16, BLJ17, Dhd17, FH17, GS15b, HL15b, LHW+17, SL17, vOMB17]. fermions [SD15]. ferrofluid [GP16c]. FETI [KCW17]. FETI-DF [KCW17]. FFT [BJZ15, BC18, GO15, MVZ16]. FFT-based [BC18, GO15, MVZ16]. fiber [NRZS17]. fibers [CPSF17, DCP15]. Fictitious [IML15, ZLY15, HXLL15, HGW18, PR16a]. fidelity [AA16, HFND18, LKK17b, LSW16, MS16b, MS15c, MW16a, PPCK17, PVPK17, PKW17, RPK17a, RS17, UG16, VBF15, ZLX17]. field [ATM+18, ADGF17, AEE17, BJK17, BGJ+15, BDP18, BG16b, CLW18, CF16, CC15, CS16a, CJYZ15, CS16c, CKQT15, CSYS17, CLMZ17, DWW18, EGS17, Fed17, FCL17, GHL+16, GGT18, GU015, GFW16, JTR16, JJ18a, JJ18b, LSL15, LW15a, LBZ16, LWZ16, LDL+16, LY17, LY16c, LBB+17, OTS17, OLD+16, OLB+17, PPK17, PMS15, PD16a, PKB15, RTO15, SYY15, SLL16, SAOW17, TW17, TK15a, TSST16, VSM17, VS17, WJD16, Wic16, WCWB16, WHZ18, XCV17, XL16, Yan16b, Y17, YY17, Zau16, ZW16, ZZ17a, ZHLZ18, ZYSW16, ZYCK15]. fields [BAGK16, BMC+18, KBR17, LE16, LX16, MLMM17, PVPK17, RRM+16, RSD17, Tao16, TG17, XTS+16, XY17, ZFPB16]. fifth [CTG16, ZQ16b].
fifth-order [CTG16]. Filament [JSS15]. filaments [DCP15]. filled [DSH+16, SAH17]. film [JS16, KHP17, Pes15, Xia15]. films [AASRT17, JTR16, LVB+15]. filter [BJ16, KC17a, MRP+15, NYNYM15, PE16a, PKA+16]. Filtered [OS15a, LMH16, MM16b, ZN16]. Filtering [GO15, ALMJ15, BJ16, Fal15, FBM16, MG17, MP17, NYNYM15, SD18]. filters [Fal15, Fal17, HHR15, LAK+16, SKO17, VLTPS16, ZH15]. finding [BSWG15, SPM+15]. fine [CGS15, KGT15, NLFM16]. fine-grid [KGT15]. Finite [AGBL15, AMM+15, BRTWY15, CLC16, CEH16, DG18, DSH+16, DJV+18, FPT17, GFG+15, GBS15, GSS15b, IGQ15, Kay15, KS15a, LTKA15, LYC16, LYPPL17, MML17, MDL16, MHZ+15, RBGV15, SKO17, SYV17, SP16c, TVB+16, YYN+17, ZSQ17, vEkdB16, AM17a, ABG+15, AVT17, ADFG17, AD17, ASS13, ASS17, AAD16, ABFR16, ADK+17, ABT16, AM17b, BJRF18, BCD+15, BD15a, BBKS16, BHL15, BJWZ17, BGN15, BK17c, Bat17, BGV17, BLVC17, BH18, BLMY17, BDL15, BDZ15, BD17, BDL18, BHTT17, Bra16c, Bre17, BRRB15, BFTVC18, CCHL15, CBS18, CWF16, CHT17, CTG16, Che18, COV18, Cho15, CEL15, CEL18, CMH15, CGP16, CR18, CPS17, CHS17, CMM17, CYWL17, DGM17, Did17, DLK17, DMS17, DVP+16, DL16, DvWZ18, FAZ16, FGL16, FBW16, GSS15a, GH17a, GFC18, GOR17, GSS+16, GS16, GG15, GBD17, GHL15, GHL+16]. finite [GDA16, GY17, GL17, HWH+16, HR18, HS17a, IAdBH+16, HZL+15, HLL+16, HR17, Hou17, HMF18, HHL17, HY16, Hu17, HXX18, HA16, Ism15, IDSG15, JTR16, JW15b, JW15c, JW16, JLLZ15, JG15, Jou15, KDF15, KW15a, KW15b, KE15, KJYC17, KL17b, Kla15, KS17, LH16, LMH16, LLD+16, LY15a, LN17, LAL18, LX16, LL16b, LHMB16, LMC16, LZ17a, LGH+18, LYZ18, LYZ15, LY15b, LZ17b, LMMS16, LTBI6b, LJI6, LTW18, LKSM17, LWC17, MF17, MN04, MN17, MDHC15, MR17, MT17, Mel18, MH18a, MMvR18, MRK15, MH18b, MS16, MM16c, MF16a, MWZY16, MN16c, MMW15, NH17, NN15a, Nis15, NF17, Nor15, OLDN17, OV17, PXML17, PL16a, PHO+16, PS16, Pei16, PS15b, PWP15, PS17, Rb18, Rag15, RG15, RGW16, RAMB15, RRD16, RSD17, RWN18, RBL16, SNSG16, SPX+18, SDMS17, SAEF17, SWG+17]. finite [SM16, Sha17b, SY16, SY18a, SYL16, SYM17, SYF14, SDH+16, SKG17, SA15, SFDE15, SSN+15, SZ15b, SDW16, SZ17, SS16c, SP15b, Sub18, TLH15, TD18, TMDT17, TC15b, TBO+16, TKP16, Tso18, URL16, VKE+18, WR15, WDS15, WRL16a, WRL16b, WRPL17, WYZ18, WLW+18, WT15, WSF17, WA18, WHZ18, XWL+16, XDvW17, XZ15, XX16, XJ16, XDSX17, XM18, YSC+17, YYL16, YHQ15, YP17, YX15, YM15, ZCHS15, ZS16, ZS15, ZL15, ZG16, ZZZ16, ZKLZ18, ZB2T17, ZQ16b, ZQ17, ZXYL17, dFJN16, CJ17]. Finite-Difference [SYV17, Bra16c, Bre17, CR18, CYWL17, GH17a, GSI16, LH16, LHMB16, NF17, Rb18, SYV14, TLH15, WA18, YYL16]. Finite-Element [GFG+15, AVT17, AAD16, CHT17, GFC18, JTR16, SFDE15]. finite-element-based [CMH15]. finite-elements [SM16]. Finite-Volume
Finite-volume-concept-based [SKO17]. finite-volume/Monte Carlo

[DG18, IGQ15, TVB+16, vEKdB16, GOR17, GDS+16, IDSG15, KS17, LLD+16, LN17, LL16b, LZ17b, MDHC15, Nis15, Nor15, PS16, SDH+16, SKG17, TMT17, Tso18, XDVW17, CJ17]. First

[CC15, LSL15, SLL16, ALKZ16, AZK16, Cac15a, Cac15b, DBZ17, DPRZ16, DPRZ17, DKK15, Hiv18, LM15c, LLLN18, MA17, MN16a, MRN+16, OWKE16, PTMF18, Roy15, SM16, VSM16a, VSM16b, WTX17, Yan16b, YH17]. First-order [CC15, LSL15, SLL16, ALKZ16, AZK16, Cac15a, Cac15b, YH17]. First-principles [AZK16].

[VA17, CWW17, DSH+16, RA17, WW18, ZJS17]. fitted [BOA17, CWW17, DSH+16, RA17, WW18, ZJS17].


Flexible-wing [Moo17]. Flexibly [YS18]. floating [CGSS18, LC17a]. flooding [DD17a]. Flow

[BP17, KLA17, YDC16, ABI17, AASRT17, ABG+15, APR+15, APP+16, AAG16, APV+18, AS17, AMS17, BCS17, BCST17, BB17, BBKS16, BHH17a, BHS17b, BGS16, BLV16, BLVC17, BPS16, BLK15, BAVC17, BL+16, BLJ17, Bon17, BCB17, BMS18, BC+16, BB15, BKG15, BKB15, BKB16, CB18a, CCR17, CC15, CX15, CKT17, CV16a, CS17, CGR17, CV17, CLN15, CVKH18, DM17a, DGW18, DM16, DWRI18, DDV18, DGM17, DB16a, DL18b, ESG17, EST17, EN17, Fa17, Fan16, FM17, FST15, FW17, FS16, GZM+17, GPS17b, GD17, GFL17, GGL+17, GO16, GCC18, HXX15, HT18, HSK+15, HG17, HG17, HK16, HW16b, HDP18, HY17, IPSG15, IO+17, JSP16, JSVD17, JL16, KD17a, KHP17, KJ17a, KH17, Kla15, KF17, KS16, KW16, KF17, KRK+18, KJ+17, KS16d, LVB+15, LE16, LRA17]. flow

[LW18, LH15, LPG16, LHB+16, LZZ17, LFX18, LL18, LT17, LKD17, LN15, LAA16, LRGO18, MZAF17, MNG15a, MC18, MTZ16, MHL17, MI18b, MS17, MDP+15, MT17, MF16a, MB15, MB16, MM16, NL15, Noe15, NSK+16, NSL16, OT15, Osp17, PZNG15, PGCG18, PHO+16, PT18, PLW16, PGW18, PZ16, PME+15, QYY16, QLF16, RV15, RG18, RW15a, RXS15, Rua18, SPX+18, Say17a, Say17b, Sha17a, SRBB18, SLL17, SC+18, STG17, SHW17, ST17, SCD17, SCS18, T16, TP16a, TDL16, TWH1, TLA16, TL17, TT16, TD16b, TSST16, VWW17, Vos17, Vre17, WWR16, WYLX17, WSN+18, WPB15, WCV16, WKS15, XCS17, XRR18, YYY+16, YSY17, YNW17, YR15, YTM17, YTW15, YZZ18, Yzw18, Z15, ZL15, ZW15, ZW16, ZZ17, ZXX17, ZRE16, aKT16, dFRN16, dMR17, dPS16, tEK17]. flow-field [TSST16].

flow-transport [BKB15]. flowing [ZDB15]. flows

[ACG15, AM17, AB18, ACS16, AB15, Bal15, BMR+16, BJ15, BFI+18, BC16a, BS15a, BVM17, BMT18, BDM18, BFT18, CA16, CV17, CBS18, CG17, CL16, CJD+17, CZL+15, CX16, CH17, CZL18,
CD17, CGS15, CC16c, CLGA17, CPS17, CG16, CM16b, DG18, DLM18, DXvW18, DY16, DA017, Don15a, DS15c, Don17, Don18, DVP+16, ESHA16, EJMI18, FGL16, FBL17, FNGDMR18, FNP17, Fid17, FBM16, FPDT17, GMLD18, GOR17, GHR17, G1F18, Ger17, GWC17, GG15, GBCF16, GBCF16, G1J5, GRS15, GEZK16, GAS+18, GSS15b, HHA15, HFM17, HL15a, HEPI15, HZL+15, HTGZ17, HP17, HSB16, HM16b, HTMP17, HW18, HTBG15, IGQ15, JS17, JG15, JJ18b, KYU015, KTN15, KP15a, KLNH17, KCS17, KF17, KP15c, KYW+16, KYW+18, KL18, KV16, KS15b, LMP15, LS15a, LVTR15, LPG18, L1b7, LFDP16, LL16b, LW17b, LPR18, LWJ18, LSD+17, LSR16, LC16, LC17b, LD15, LMKS15, LWB+16, LXS16, LH17b, LH18, LDHJ15, LZW+17, LHA15b, LHA16b, LEB+17, ML17, MM16b, MNG15a, M16, MOAA15, MTZ16, MC15, MP17, MKR15, MRX17, MCGS16, MF16b, MA16, MSB+16, MR16b, MM18, NDCB17, OVP15, OSKN18, OPHA15, OD17, PKP+17, PL16a, PSS17, PSB+18, PM16, PPLC16, PWC18, PN17, PN18, PGM17, PLW16, PF16, PEVG18, DM18, PCBG18, PWP15, QSB18, RS16b, RD17, RV16, Ric15, RZ15, SXB15, SWS17, SPD+17, SP15a, SGMS16, SHA16, SL17, SKF15, SWML17, SVG18, SAK18, SWMD17a, SXY18, STW16, SDM+17, SY18b, SDH+16, SKG17, SSA17, SMSR18, SGT17, S15+17, SGP17, Szx18, TK12, TK15b, TND18, TBO+16, TMI18, TKP16, TMB17, UG16, VPN15, VSM16a, VSM16b, VAL16], *flows* [LFDP16, LL16b, LW17b, LPR18, LWJ18, LSD+17, LSR16, LC16, LC17b, LD15, LMKS15, LWB+16, LXS16, LH17b, LH18, LDHJ15, LZW+17, LHA15b, LHA16b, LEB+17, ML17, MM16a, MNG15a, M16, MOAA15, MTZ16, MC15, MP17, MKR15, MRX17, MCGS16, MF16b, MA16, MSB+16, MR16b, MM18, NDCB17, OVP15, OSKN18, OPHA15, OD17, PKP+17, PL16a, PSS17, PSB+18, PM16, PPLC16, PWC18, PN17, PN18, PGM17, PLW16, PF16, PEVG18, DM18, PCBG18, PWP15, QSB18, RS16b, RD17, RV16, Ric15, RZ15, SXB15, SWS17, SPD+17, SP15a, SGMS16, SHA16, SL17, SKF15, SWML17, SVG18, SAK18, SWMD17a, SXY18, STW16, SDM+17, SY18b, SDH+16, SKG17, SSA17, SMSR18, SGT17, S15+17, SGP17, Szx18, TK12, TK15b, TND18, TBO+16, TMI18, TKP16, TMB17, UG16, VPN15, VSM16a, VSM16b, VAL16], *flows* [WDG+17, WSY15, WSS+15, WSHT15, WSY16, WSP17, WCH+17, WZ18a, WK18, WSN+15, WMS18, WGME17, WL17, XWL+16, XD+17, XX16, XML17, XSL18, YSW15, YSW16, YXF+16, YSWW16, YGEM17, YD18, YL16, YCS+17, ZMF15, ZMC18, ZLC+18, ZWG17, dFV15, dL17]. *fluid* [DSH+16, HM17, dSPDH15]. *Fluid* [AAL15, CGSS18, FB15, HM17, JB105, LLTR15, LGD17, RW15b, SAK18, SDM+17, VAL16, ABI7, ABG+15, AA16, Ama15, Ama18, AB15, BAKG16, BHK16, BOC17, BZ16b, BCM15b, Buk16, CGS18, CM16a, CDM18, CH17, CV16a, CLGA17, CSH15, CLM15, CM16b, CYW17, DG16a, DG18, DFGQ16, Dom18, EST17, EKSS15, ED16, ELH+16, FW18, FLV15, FRW16, FHA16, GLTB18, GLS15, GCCVHH18, HXL15, HSK+15, HM16a, HDF18, M16b, JSDV17, JH15, JS17, KB18, KLC18, KF17, KC17c, KRK+18, KM15, LTB16a, LDD+16, LC15, LFR17, LGB17, LFD16, LW17b, LSD+17, LY16c, LDGH16, ML17, MAK15, MOAA15, MAM16, MC15, MM15, MTK17, MRX17, MM17, MKV+17, NFG15, NPC15, Niu16, NF17, NSK+16, NLW+16, PSU17, PHO+16, PN18, PR16b, PAL+16, PP17, PQR17, PCBG18, PNE+15, RG15, RKR16, RV16], *fluid* [RT15, SSL17, SWC18, Say17a, Say17b, SRB18, SMP16, STW16, SMA+16, SS16c, SJ15+18, TBC+16, TCA16, TND18, WSP17, WCH+17, WB17, Wic16, WS15a, WS15b, XD1W17, XYF+17, YYY+16, YK15, YS15, YXF+16, ZAK15, Zad11, ZZPH18b, ZZPH18a, ZBY+18, ZPE+16, dJR+15, dTP16, BAV17, JS15, SGD18]. *fluid-composite* [BCM15b], *fluid-dynamics* [EST17, MM17, WS15b], *fluid-dynamics* [FQR17], *fluid-fluid* [LSD+17]. *Fluid-particle
[HM17, Ama18, KF17]. **fluid- porous** [NSK+16]. **fluid-saturated** [SSL17]. **fluid-solid** [YK15, YS15]. **Fluid-structure** [CGSS18, LGD17, BHKS16, BQCG17, CM16a, CM16b, DG16a, DG18, DFGQ16, EKSS15, ED16, FW18, FRW16, HDF18, KLC18, KC17c, LC15, MMMS15, MKV+17, PHO+16, Say17a, Say17b, SMP16, SMA+16, WCH+17, Wic16, YXF+16, dTP16]. **fluid-structure-interaction** [LTB16a]. **fluid/ fluid** [MAK15]. **Fluid/Level** [VALT16]. **fluid/thin** [FLV15]. **fluid/thin-walled** [FLV15]. **fluidic** [MKV+17]. **fluids** [AJVH17, BHKS16, CFPB17, CSN17, DSH16, Don15b, Don17, Don18, DPRZ16, ES18, KKS15, KKS16, KBK15b, Liu16, PR16a, PS14, PS15a, SK15b, TOR+15, TL17, WE15, YD18, ZDGW16, ZYSW16]. **Flux** [ALMJ15, AWJ17, HR18, LKSM17, Loh17, NMM15, ZN16, AHNF15, AMH+18, APV+18, AEL+15a, AEL+15b, AEL+17, BMT16, BNK18, BND16, CJI16, CLP16b, FKF17, FS15, GHL15, HWH+16, HZL+15, KW15a, KKS16, KFL17, Kri17, LBZ16, LK16b, MS15b, MDMS18, NMM16, Nis15, STW16, Stub15, SST+15, TT16, TCL15, VST16, VV16, VDPP15, WSY15, WSHT15, WSY16, WG16b, YSW15, ZLIC15, ZXL17, BK17a]. **flux-ADER** [NMM16]. **flux-corrected** [HR18, LKSM17, Loh17]. **flux-dependent** [KFL17]. **flux-limiter** [ZJLC15]. **flux-reconstruction** [AHNF15, AMH+18]. **flux-split** [HZL+15]. **flux-splitting** [KKS16]. **fluxes** [CCK+18, DH18]. **fly** [EZG16]. FMM [CHCC18, YS18]. **foams** [SS16a]. focused [TSN16]. **focusing** [KLWQ17]. **Fokker** [FL17, TC15a, TKC15, TCS15, TCS16a, TCS17, CM18a, CCL16, GJ15, GAJ15, HYK+16, KJ17b, KJ18, SV17, SK15b]. folded [CLR15]. **Force** [HLU15, TP16a, ZLH+17, AAL15, BDG+17, CFO18, DKPC15, DKC15, KK16, LBB+17, SD16, VSM17, WG16a, YZT+18, YCS+17, Zau16]. **force-coupling** [DKPC15]. **force-field** [LBB+17]. forced [GL18]. **forces** [CG16, GLTB18, GLMC16, LT15, LM16, NJPB17, YDK16]. **forcing** [CK16a, Hig15, KLSF15, LC15, PPLC16, PG18, PV17, YS15]. **form** [ABH18, Del15, DS15c, DKK15, GKW16, JFS17, KML18, OWKE16, ROS17, RSSS18, RWN18, RN18, SPP16b, WKO17, XWW+16, ZHZ16]. **formalism** [PD17, SD15, SSL+16b, TZZS17]. **formalisms** [OML+16]. **format** [GKMS17, LY15c]. **formation** [AZ17, GP17, SPM16]. **forming** [CLF17, PR16b]. **forms** [AMH+18, PF15]. **formula** [DF16, LDOK17, PBKK17, RPL+18]. **formulas** [Loz17]. **Formulation** [Kor17, KSVB18, Teu16, BVC+16, BHST17b, BBF+17, BC18, BS15a, CCK+18, CMH15, CGRV17, DG16a, DSH+16, DCP15, Don15b, Don18, DPRZ16, DB16b, DPRZ17, FRL15, GMLD18, GS16, GC17, HTFL18, HL16b, Jou15, Kim15, Lap17, Ler15, LHA16b, MR16b, MTD15, MR16b, NN17, NF17, NPD16, QS18, RG15, RWN18, SDMS17, Sed15, SM16, SL16a, WZ18a, YT15, ZHA17b]. **formulations** [AG16, FKDL17, JHPAT17, LGO17, RB15, SST+15, Suz18, VS17, WRL16a]. **Fortran** [GBR15]. **forward** [RMA17]. four [RS16a, SD17, SS15]. **four-dimensional** [RS16a, SD17]. **Fourier** [GKE15, ALMJ15, DY17, Fer17, GSN16, GWW17, HB15a, KFL17, MDVM16, MP16, MH17, ST15, SGT16].
Fourier-spectral [ALMJ15, MP16]. fourth [CG16, DL17, DLL†17, DL18a, DL18b, GH17a, GPS17a, GPS17b, pHzSrC15, LHMB16, PXLL16, YC17].

fourth-order [CG16, DLL†17, GH17a, pHzSrC15, LHMB16, PXLL16, YC17]. FPDEs [ZK15]. FPGA [LWL18]. fraction [DB16a]. Fractional

[KHP15, KADE15, KADE17, MK17, YPK16, ZK15, ZM16a, ASB†15, Ali15, ADH†16, ATZ16, AEAM15, AHKT17, Ata15, Beg15, BA15, BZ15, BDBEE15, BSWG15, BTWY15, CF15, CC15, CXH15, CNOS15, CLC16, CP16, CWL†16, CLZ18, CV16a, Cu15, CGG18, Die15, DMSC16, DLL†17, DZC16, DvWZ18, EAAM15, EE16, GS15a, GS15a, GM15, HPY18, pHzSrC15, HO15, HB16, HSC16, HZ15, JW15b, JW15c, JW16, JX15, JX17, JWH16, JLLZ15, Kat16, KNS15, LZ16, LYC16, LW17c, LWY17, LGH†18, ILLNS16, ILSNS17, LZT†15, Lot18, Luc15, MBSS15, Mac15, MD17, MD18, MS16a, MR16a, MM15, MP15a, MDDM17, OM15, PCF15, PPCK17, QDH15, RZ18, SMC15, SYM15, SYM17, SX15, SPRW15, SLZ†17, TY17, TSH17, Vab15, WH15, WZ15, WY16, WH16a, Wu16, WZ17, WZ18b, XY18, XHC15, YYN†17, YJB15, YLA15, ZZK16].

fractional [ZSP15, ZC15, ZzSK15, ZJL†17, ZLL†17b]. fractional-order [ZC15]. fractional-step [HPY18]. fractions [EDvW17].

fracture [AEL†15a, AEL†15b, AEL†17, BBB†16, BPS16, BHTT17, BHMS18, FFJT16, NFG15, Noe15, Wic16, ZHLZ18]. fracture-matrix [AEL†17]. fractured

[ABG†15, AEWV18, BHMS18, Noe15, SMT†16, XYF†17, XML17]. fractures [BPS17, TAH16]. fragmentation [LPWK15, NFG15, WYA†17a].

frame [ALA16, DCA†16, DvB17, SL16a, YZT†18, YXD†16]. frames [CE17, Chu17]. framework [BGV17, BT15, BKL17, CLY†15, CLX15, CG16, CJ17, DEZ16, ES18, FOF15, GM16, GGW17, HAPK15, HHA16, HL15b, ISP†15, JTR16, JSVD17, JC17, KKP15, Lap16, LKK17a, LKK17b, LLM17, LS16b, LNM18, ML18, MR17, MW15, MZ15, OD17, RW15a, TKB†15, TMH16, TABR17, XDvW17, ZHL†17]. frameworks [AAL15]. Fredholm

[XZ15]. Free

[MK15, ZBZ†18, APV†18, AS17, Ama15, ALM15, BD15a, BK17b, BDG†17, BFI†18, BMT18, BAR15, CMH15, DDV18, FH17, FPDT17, FKY15, FPV18, FC16, GP17, GG15, HHA15, HR17, KLSF15, KO17, LXC†15, LS16c, LW17c, LTZW18, LEB†17, MNG15a, MG15b, MNG15b, MDL16, MTZ16, MTK†16, NWKC16, PSS17, Pes15, PBBK15, DM18, RRM†16, RDG17, RZ15, Say17a, Say17b, SW18, SLB†16, Sl16a, TBO†16, VGF16, XLY15, XYPT16, XL16, YSWW16, YF17, YCS†17, ZFZL15, ZD15a, ZZS†17, GS16].

free-boundary [FH17, HR17]. free-flow [MTZ16]. free-slip [KLS15].

free-space [VGF16]. free-surface [FPV18, HHA15, LS16c, MNG15a, MDL16, NWKC16, RZ15]. Freeman [HB15b]. freestream [AHNF15]. frequencies [ALM†17, LQB16].

Frequency

[LS15a, WT16, BZ16a, BMN15, CDL17, CC17c, CLQ17, HBR15, LHMB16, NKN†17, NNW17, Par15, Par17, SZW†16, SJXL15, Tre16, ZSJ17a, ZF18].

G [MBM15]. G-FDTD [MBM15]. Gabor [DvB17]. Galerkin [HGN17a, RHS18, TRL15, ZN16, AG16, AM17a, AS15, ADK17, BFI16, BH16a, BFI18, BDM17, BCJ17, BHGK18, BFT17, BD17, CB17, BD18, BT15, CGQ18, CBA17, CGMH18, CWM16, Cha18, CHOR17, CHY16, CS17a, CYL16, CYYL18, CZL18, CCKQ15, CK16a, CK16b, DGMT17, DM17b, DKK18, DLL17, DL16, EHM15, EG18, FWK17, FN17, FGL16, FMB16, FS17b, GR18, GS15b, GK16, GCVMK15, GSN17, GX15, GY15, HL16a, HGR16, H15, HGN17b, HJ16, HB15b, HS18b.
Jac17b, JH17, JLLZ15, JL17c, JHT+18, KFF+17, KRFV16, KG15, KFWK17, LMH16, LLP+16, LW17a, LW18, LPR18, LX18, LYZ18, LTB16b, LP16b, LY16b, LW17e, LSZ18, LTW18, LKSM17, LLLN18, LHL15, LI15, LSI16, MSK18, MLM18, MRRCF18, MS16a, MK17, MNG15b, MN16a, MKC17, MF16a, MSP15, MSP16, MB+16, MMP17, MWYZ16, MH17, NJ15].

Galerkin [NPC15, NPRC15, NDCB17, NLW+16, OLHD17, OKE17, PL16a, PE16a, PSB+18, PP17, PP18b, PND16, PMB18, QSY16, QDH15, RXSG15, RDM15, Say17a, Say17b, Sch16b, SMP16, SLB+16, SZ15b, SDW16, SE16, SPZ18, St16, SCS18, TH18, TSC17, TD16a, TD17, TD18, Tex16, TXvdV15, TXvdV16, TLB+18, UL16, URL16, VCNOP18, WW15, WZ15, WTGC16, WZZ18, WSN+18, WLE17, WGGK17, WGI15, WBM+15b, WH16b, WTX17, Xia15, XJLQ15, XL16, YY16, Zha16, ZLH17, Zha17c, ZBZT17, ZT17, dFVJ15, vOMB17].

Galerkin-Fourier [Fer17].


gauss-verifiability [GS15c]. Gaussian [BK16, BVS18, CBZ15, EMZ16, LL15, LIA16, MKC17, NP16, PVPK17, PSMPG17, RK17b, SL16a, TBG16, WLL16, XX17, ZFPB16, ZKS+15].


General [BHST17b, LW15b, AVT17, AB16b, BDA17, C15, CHD+18, DCP15, Don15b, DB16b, Her16, KYPK15, LMG15, LKK17a, LHF16, LNN18, PA15, RBL16, SAEF17, SMS16, SGG18, Tao16, TCL15, ZLL16b, ZWG17].

Generalised [Ran18, CC16b]. generalization [Sha17b]. Generalized [BP16a, BLa+15, CSS15, DKT15, HL15a, KH18, PX15, Ama18, ABdC+18, BV+17a, BLS15, CEL15, CEL18, DS15c, DWW15, EARA15, Fal17, GFvR18, IG15, KJJ16, LY16b, MS17, RSSSE18, SNSG16, TM15b, WZ15, ZH17b, ALA16, CEH16, CTM+16, GFG+15, MSG18a, MSG18b].
granular

grain [AAG16, BVM17b, FNGDMR18, IML15, LEB+17]. graph [WQZ15].

graphene [BTIA17, KM16a, LYDB17, RMC15]. graphene-reinforced [LYDB17].

graphics [AAB+16, GP18]. Grassmann [GS18].

gravitational [LM15, ZS15].

gravitation [BLMY17, CCK+18, LX18].

gravitational [LM15, ZS15].

gravitation [HN17a].

gravity [vOMB17].

greedy [SKS17].

Green [BR15b, BR16, Pop15, BL18, Cha16, GKE15, HLTC18, LM15a, LC17b, MDT16, PD15, Sti17, TZSS17, VGF16].

Grey [DRM15, MRM16].

Grid [RO16, RRM+16]. grid-independent [WDG+17].

grid-refinement [KS16d]. grid-to-rod [CLB+16]. gridding [PLB18].

gridfree [CB18b]. gridless [DTA+15].

grids [SYV17, ABH18, AB17, AG18, BNK18, BST15, BHTT17, CBC+18, CTG16, CYL+16, CZL18, CLP16b, DDJ18, DWR18, DPO16, DL15, DBMB15, FGLW18, HL16a, Hu17, IQG15, IDSG15, IM17b, JL17a, KF15, KW15a, KG15, KD17b, KSI17, LAL18, LGB17, LB15, LPR18, LYZ15, LY15b, LZT17, LHGF16, MM16b, MN15, MDHC15, MDM+15, MGBG16, MGB+18, MHGM+15, MF16a, ML16, NOM+17, NYNYM15, Nis15, OLDN15, PxxRS17, PL16a, PN17, PS16, Pei16, PF15, PBC+17, QDRB15, QLF16, Rag15, RD17, RSD17, RKO+17b, RHvR+15, SP18, STK+16, SS16b, Sw16, SLY16, SYV14, SGD18, Sti16, WR15, WCN15, WRL16a, WRL16b, WRPL17, WWR17, WYSS15, WRL18, XX16, XDSX17, XX17, XL16, ZA15b, ZSW17].

Gross [ATZ16, ABR16, MBM+15]. ground [ATZ16, BJTZ15, Rua18].

group [JPLL15, KA15, LWLC17, MW16b]. growing [Bra16c]. growth [DMS17, JTR16, LTWZ18, RW15b, RTO15, YZW17, YC16, dLCGCA17].

GRP [DL18a, WW15]. Grünewald [MBSS15]. guaranteed [DWGW16].

guided [GBS15]. guiding [PKK18].

GW [LLV+15]. gyrokinetic [CB16, CB18a, Ido16, KB18, KHC+16, KYPK15, YXX+16].


half-range [AS16]. half-spaces [GMP16]. Hall [MAH16, SS17c]. Hamilton [DG16b, OS15a, ZQ16a, ZSQ17].

Hamiltonian [QHZ+15, CEF15, GAN+16, KM118, LW15b, LY15b, MW16b, MJW17a, OLB+17, SCN+17, TSC17, ZT+16, vOMB17]. handling [ADGN17]. hard [CT15, Cos16, KBB15a, SAH17]. hard-core [Cos16]. hard-sphere [CT15]. HARM [RKO+17b]. harmonic [DGL+15, ETAG15, MSG18b, RM16].
Hasegawa [HK15a]. Haut [AS17]. HDG [MTBT18, SCN+17]. HDMR [JL15]. heart [ANL+16, KDPK15, NCP+17, SBG+17]. Heat [FS15, CP16, DPRZ16, HG17, HDA+18, HC17, JL17c, MBHS17, PLC18, STK+16, ST15, VBG16, WSP17, WL18, WED15, YK15]. heat-conducting [DPRZ16]. heated [KHP17]. height [OD15]. helices [XR17]. helicity [Suz18]. helicity-preserving [Suz18]. Helmholtz [ABFR16, BBF+17, BDK+17, CDC17, Cha16, CHCC18, CMH15, DLS15, EFHZ17, EG16, JHPAT17, LGB16, LQB16, NPRC15, OLV16, RSB16, SLR+16, SwS16, Sto16, TCD17, WA18, YL17, ZND16]. hemodynamic [ISP+15]. hemodynamics [DFGQ16, MSV+16]. Hermite [AS16, DL18a, HX15, LIW18, Nor15, ST18a, TLQ15, TLQ16, YLBL16, ZQ16a, ZSQ17]. Hermitian [VYP15, ZD15a]. heterogeneous [ABC+15, BC18, BM16, BSWG15, BKKRB16, CGMH18, CHCC18, CFvKH18, DDV+15, DD16b, GFG+15, GVTQ16, HL15b, LKK17b, LQT17, MGK17, MSS16, SNSG16, SPX+18, SAEF17, SHP+16, TKB+15, TWH15, TAH16, TMT17, YGEM17, ZAK15, dMRHJ17]. hex [RGW16]. hexagonal [GHL+16, RKRGW17]. HFVS [CJL16]. Hidden [RK18]. Hierarchical [BABD16, PK16, TS17, AAE17, LMBZ15, OS16, RB18, SA15, XQ17]. High [AD17, ABFR16, And16, ADK+17, ABH18, ABR16, BJRF18, BNM15, BK16b, BDZ15, BD18, CLX15, CLTX15, CC16c, DS16, DLN15, DCL15, DPRZ16, DPRZ17, FP16, IDS15, JLQ15, JFS17, KW15a, LX16, Li17, LZ17b, LS16c, MRM16, MNR17, MS15c, MW16a, MDHC15, MC15, MP15b, MM16c, MSH+15, NMC15, OV17, PXR17, PLHA18, PKA+16, RA17, Sch16b, Shu16, SYV17, SY18b, TLQ15, TLQ16, TLH15, VAD17, WL17, WT15, XJLQ15, AHNF15, AD15, ALM+17, AMP16, APKP16, ALMJ15, ANL+16, BD15a, BAGK16, BZ16a, BMR+16, BGG16, BFT17, BS16, BDP18, BTT18, BFTVC18, CGQ18, CB16, CBS18, CB15, CGMH18, CCK+17, CDL17, CQ15, CJL16, CS17a, CZ17, CZL18, CVK16, CFST16, CLQ17, Cot18, CLP16b, DWGW16, FDK17, Fa17, FAZ16, FWK17, FB16, FK17, FHA16, FYO+15, hGwSzS15, GFC18, Ger17, GS18]. High [GGL+17, GGT15, GEZK16, NY15, HAPK15, HTZG17, HBR15, HW16a, HN17a, HN17b, HLQ16, JZX18, JTD16, KC17a, KCW17, KH17, KRKFV16, KKY+16, KYY+18, Kou16, KFWK17, LMH16, LMS17, Lap16, LLP+16, LAL18, Ler15, Ler16, LSWF16, LLL16, LL17b, LL16c, LGB16, LWB+16, LW17d, LS18, LIW18, LKSM17, LQB16, LP17b, LSH16, MLM18, MS16b, MNG15b, MA17, MN16a, MKC17, MDM+15, MA16, MSB+16, MMP17, ML16, MB15, MM16d, NYNYM15, NNM15, NJ15, NN15a, NNW17, NL18a, OLD17, O’S15b, OSK18, PE16a, PP18b, PKW17, PE16b, PMB18, PBC+17, QSB18, RXS15, RXS16, RGPS17, RSB16, RWN18, STGW17, Say17a, Say17b, SL18, SWLZ15, STG17, SYV14, SLN15, SPZ18, STG16, STG17, Sti16, SK15b, Tao16, TD18, TK12, TK15b, Ter18, TM16, TMH18, Tre16, TBG16, TKP16, Tso18, UG16]. High [VPV+17, VN15, VWV17, VSM16a, VSM16b, VBF15, WW15, WLM15,
WZ15, WSY15, WCN15, WRL16a, WRL16b, WTGC16, WRPL17, WLW+18, WSR15, WDGW17, WGM17, XQ17, YCPD15, YFJ17, ZP16, ZZK16, ZL15b, ZZZ17, Zha17c, ZED15, ZX17, ZS17, dLDG+18, DL18b].

**high-accuracy** [CBB16, Fal17, WZ15]. **high-aspect** [Sti16].

**high-dimensional** [BGG16, CB15, CQ15, CVK16, Cot18, FDKI17, FK17, Kou16, LLL16, LL16c, LW17d, TBG16, WCN15, WTGC16, ZZK16]. **high-energy** [LMH16]. **High-fidelity** [MS15c, MW16a, LSWF16, MS16b, PKW17, UG16, VBF15]. **high-frequency** [CDL17, CLQ17, HBR15, NNW17, Tre16]. **high-level** [ZED15]. **High-Order** [BD18, DS16, AD17, ADK+17, ABH18, ABR16, BNM15, CC16c, DCL15, FP16, IDSG15, KW15a, LZZ17b, LS16c, MR16, MDHC15, NMC15, PLHA18, RA17, Sch16b, TLQ15, TLQ16, TLH15, WL17, WT15, AHNF15, AMP16, APKP16, ALMJ15, BAGK16, BFT17, BSM16, BTT18, CBS18, CGMH18, CCK+17, CFST16, CLP16b, DWGW16, FAZ16, FWK17, FIIA16, hGwSzS15, GFC18, GGL+17, GEIZ16, GY15, HTZG17, HN17a, HN17b, HQL16, JZS18, JTD16, KC17a, KFIIK17, LMS17, LAL18, Ler15, Ler16, LGB16, LW17d, LIW18, LS16, MLM18, MNG15b, MA17, M16a, MKC17, MDM+15, MA16, MMPS17, MM16d, NJ15, O’S15b, OSK18, PEI6b, PBM18, PBC+17, RXSG15, RXS16, RS16, Say17a, Say17b, SWLZ15, STG17, SGT17, Sti16, Tao16, TK12, TK15b, T18, TM16, TM18, TPK16, Tso18, VP+17, VN15, VWV17, WLM15, WSR15, YCPD15]. **high-order** [YFJ17, ZP16, ZL15b, ZZZ17, XZL17, dLDG+18]. **high-order-accurate** [OLDN17]. **high-order/low-order** [CCK+17]. **high-orders** [VSM16a, VSM16b]. **High-performance** [PKA+16, RGPS17]. **High-performance-computing** [DN15]. **high-plasma-frequency** [BZ16a]. **high-Reynolds-number** [NL18a]. **high-speed** [BMR+16, GEIZ16, MSB+16, QB18]. **Higher** [APP+16, BH18, BC16c, GS16, HSLQ16, JC17, LTXB17, LAK+16, Sub18, Tie16, WR16, BGT18, BP+16, DPO16, DNBH15, D17b, FRRV16, HB16, LBTG16, LW17c, Rua18, WSOW16, XY18, ZLL16b, ZLL17a]. **Higher-order** [APP+16, BH18, BC16c, GS16, JC17, LTXB17, LAK+16, Sub18, Tie16, WR16, BGE16, DPO16, DNBH15, D17b, FRRV16, HB16, LBTG16, LW17c, Rua18, WSOW16].

**highly** [ABG+15, GXX17, RKO+17b, ST18c, TT17b, WA18, YS17]. **Hilliard** [HC215, ZYCK15, CS16c, CLS+18, DD16a, DJLQ18, GX15, HTMP17, KS16a, KMD16, LJ15, LCK16, WX17, ZSX17]. **Hilliard-Brinkman** [GX15]. **Hinsberg** [CF18]. **HLL** [Bal15, DG16a, FLW16, SW17a, VNA15]. **HLL-** [DG16a]. **HLL-type** [SW17a]. **HLLC** [DG16a, GOR17, Guo15, LDH16, SY16]. **HLLC-based** [GOR17]. **HLLC-type** [DG16a, LDH16, SY16]. **HLLD** [GFW16]. **HLEM** [DB16b]. **HLLI** [BN17]. **Hodge** [DPO16]. **Hoekstra** [XS15]. **hole** [KP15b]. **holes** [ABT17]. **HOLO** [CCK+17]. **homogeneous** [CGK17, DGHP17, DSS18, HWH+16, MPT16]. **homogenization**
I2D [RHvR+15].  IB [ZZPH18b, ZZPH18a, PZNG15].  IBM [SHP+16].  IBSE [SGT17].  ice [ALKZ16, AS17, ALTR17, ClvS17, IPSG15, KDL15, MR17, RW15b, SRB017, WTL17].  icosahedral [Sub18].  Ideal [DWG+18, BK17c, BND16, CFST16, DYGW17, DLK17, KW15b, LSP18, PL16b, WSH+17, WG16b, WDGW17, XL16].  Identification [CGM15, KMB16, TBLM15, BCB15, EFH17, RYZ18, ST15, ZFPB16].  identify [SPM+15].  Identifying [LVL18, WTS+17].  IGN [ZED15].  II [DLC15, BD15b, BGTM18, BHST17b, BFFB17, CEL15, DL18b, EFT15, GPS17b, GY17, LZZS15, MBN16, PXR17, Say17b, Sch16b, SW16, SHP+16, SI17, TKC15, VSM16b, WRL16b, ZLH+17].  III.  Cac15b.  illustrative [Cac15b].  Imada [Zil15].  imagery [NL15, WLWW17, WCVF16, ZC15].  imagery-based [MCHL16].  Imbalance [KS16d].  Imbalance-correction [KS16d].  IMEX [ABR16, BLMY17, JLQX15, VN15, XJLQ15, QX17].  IMEX-spectral [ABR16].  IMEXP [LTR17].  Immersed [AB16a, BDG+17, MCW16, MHL17, SGT16, ZILZ15, ACS16, AB17, BK16, BPS15, BH15, CCHL15, CLM15, CYWL17, De18, FR18, FG16, FKY15, GWC18, GLMC16, GC17, HWH+16, HS18a, HLY15, HLYS16, JLS17, KLSF15, KCL18, LT16a, LC15, LFPD16, LBZA16, LC17b, LD15, MAP17, MM16d, NRP17, ÖHA15, PPLC16, PN18, PG18, PB17, QSB18, RS16b, SKF15, SKF16, SHKL16, SMA+16, SMOM+17, SHP+16, SCLG15, TKF17, WE15, WSY16, WCH+17, WS15a, XLY15, XP15, YS15, YXF+16, YZZ15, ZB15, dTP16, GY17, PF16, SG17].  immersed-body [YXF+16].  immersed-boundary [BK16, GC17, LD15, PV16, YZZ15].  immersion [SWS17].  immiscible [AASRT17, Don15b, Don17, Don18, FGL16, HTZ17, YD18].  Impact [CSLL15, HSW15, KKB17, TT17a, LBZA16, RHS18, YCBC15].  impacts [Heu17].  impedance [BG16a, JSP16, MS15a, SS17a, ZILZ15, dFGS+17].  imperfectly [SPB17].  imperfectly-mixed [SPB17].  impinging [GAN15].  Implementation [ALT17, BT17b, DTA+15, HdBH+16, PJE+16, SA15, YZW+18, BVS18, BG16a, CDC17, DY17, HK15b, JSP16, KFC17, LZ16, MIM16c, PM16, PKK+16, SRB017, SE15, TRM16, ZHL16].  implementations [SBT17].  Implicit [LMH16, PLWJ16, Say17a, Say17b, SD18, TM15b, ZZX16, AVT17, AB17, BR15a, BFNGDN18, Ca16, CB15, CBC+18, CC16a, CS16a, Che18, CC16c, CG15, CW18, CTM+16, CM16b, CLP16b, CCGH17, CLNH15, CvKH16, De15, DJLQ18, ES16, Fer17, Gami15, GSH15, GZ17, Gen11, Gho17, GXX17, HPY18, HK18, HDA+18, JZ16, KC17b, KL18, LSLM17, LLD+16, LH17a, Lap17, LXC+15, LL16b, LIT17a, LTR17, MM16a, MNO+17, MH18b, MTJ17, MMPS17, NMC15, NWKC16, NNW17, TLN+16, OZ17, PKP+17, PPLC16, PP17, PG17, PM17, PME+15, QWXZ17, QDRB15, Ram17, RAMB15, SXXB15, SLH18, SZ17, SPCH16, TCSM15, TD17, Tie16, VV16, WCN15, WH16a, WMYG16, WHT18, XRR18, ZMCC18, ZYCK15, ZRT18, FNP17].


Incompressible [LSR16, RV16, ZSZ+17, ACS16, BHST17a, BHST17b, BFT+18, BCB17, BFTVC18, CCRdL17, CS16c, CX16, CCKQ15, CS17b, CCM17, CLP16b, Don15a, DS15c, Don15b, Don17, Don18, Fan16, FWK17, FLV15, Fer17, GTG15, HPY18, HGW18, HP17, HTMP17, Kla15, KW16, KFKW17, LVTR15, LE16, LRA17, LM18, LHB+16, Li17, LZ17a, LS16c, LC16, LC17b, LH18, LZW+17, LHA15b, MHX16, MLM18, MC15, MPFL16, MHS16, MR16b, MN18c, NT15, OVP15, PG17, PKP+17, PL16a, PPLC16, PF16, PND16, PBBK15, PML16, PQR17, QYF15, RBJS15, RDM15, SL17, SMS16, SY18a, SLY16, SSO+15, SGT17, SST+15, Suz18, TLH15, TD16a, TOR+15, VL15, VK15, Vre17, WDG+17, WSS+15, WHT15, WZ18a, WSP17, XWL+16, XX16, YSWS16, YD18, YZZ15, dFJN16]. Incompressible-compressible [LSR16]. incorporated [LHW+17]. increased [DBZ17]. Increasing [Die15]. increasingly [KMG16]. Incremental [SKS17, CBN+16]. independent

[APKP16, CLQ17, DG16c, LM15d, OLV16, RMA17, Yan16a, YJ17]. initial [DZC16, MM15]. initial-value [DZC16]. initialization [Wac15]. initio [Gen15, LLVF15]. injection [KS18, dCPDC17]. inputs [LL17, JXXZ15, JL17c, LL16c]. Insights [MSP16, KS16b]. Insilico [HED16]. insoluble [SA16, dJRP15]. instabilities [MCS16, XLL17]. instability [CCZ15, DNOP15, MHZ15, RLV16]. instationary [AMM15]. Integral [Vee16, AAE17, ABN15, BNM15, CCZC16, CLX15, GCRV17, CRZ17, CV18, CCGH17, DvB17, Dod17, Gen15, HHCG15, HSSZ16, JL16, KHP17, LGO17, LDL16, LY15c, MKYZ17, MS17, Moh15, OC16, OT15, PLL15b, RVZ15, RMA17, SL16a, SO17, St18c, SV17, TP17, Tsa15, Tsa16, WZ18a, XZ15, ZGD16, ZRT18, Zil15, aKT16]. Integrals [BPF16, LO16, Tsa15, Tsa16]. integrated [SSC16]. integration [BCM15a, BBBG15, EBQ15, EMSS17, FCL17, GZY16, HEGP15, JZ16, JFS17, LMS17, LLVF15, Mi16b, MTK16, NDCB17, PPK18, SXBD15, SAOW17, TWN15, TW17, TC15c, WCN15, Web14, WBC16, WHE17, ZJS15]. integrations [RMK15]. integrator [BZ16a, LLWJ18, SS18, WSR15]. integrators [CSS17, ETLL17, FPASS16, GAN16, KTG16, LW15b, LWL17, LIW18, LTR17, Tao16, WW18, WZ18b]. intense [Val15]. interacting [CGSS18, GBS15, MB18, MM18, SGMS16]. Interaction [CLM15, AMB16, BQCG17, BCMI15b, Buk16, CGSS18, CM16a, CDM16, CH17, CM16b, CYWL17, DG18, DFQG16, EKSS15, FW18, FLV15, GMK17, GLS15, HDF18, HTBG15, HK15, KCL18, KC17c, LTBI16a, LC15, LLY18, LQ17, MK17, PHO16, PR16a, Rua18, Say17a, Say17b, SSL16a, SA16, SGC17, SMP16, SMOM17, SCS18, VA15, WCH17, Wic16, YXF16, tTP16]. interactions [ATZ16, BHK16, BFJS16, BJTZ15, BTA17, BMP18, Cos16, DG16a, FRW16, WHW16, LM16, LXL17, MKV17, SMA16, WMY18, YS15]. interactive [CLFL17]. interatomic [TST15]. intercellular [CFG16]. interchange [Sov16]. Interface [ABG15, CNG99, DS15a, GZ17, GTL15, GPG17, VK15, AAL15, AMN18, APKP16, ACS16, BJ15, CCHL15, CNG17, CTJ17, CWW17, CR18, DS15b, De18, DXvW18, DF16, FB17, FMRZ17, GHR17, GLT18, GDC18, GY17, GY18, HHA15, HWH16, HTZ17, HG17, HLY15, HLSY16, HW15c, IM15, JLC15, KTK15, KS16c, KSVB18, LSD16, LSR16, LD15, LHA15b, MNG15a, MCW16, MNR17, MTZ16, MY16, NFG15, OD15, PN18, PR17b, RW15b, RV16, Say17a, Say17b, SA16, SHA16, SCJ18, SGD18, SA15, SR18, VPM15, WSS15, WL17, XLY15, XX17, XP15, ZL15b, ZD15b, ZDGW16, TKB15]. Interface- [DS15a, DS15b]. interface-capturing [WL17]. interface-compatible [KSVB18]. interface-correction [GLT18]. interface-enriched [SA15]. interface-fitted [CWW17]. interface-interaction [SA16]. interface-sharpening [HTZ17]. interfaces [ADGN17, AB18, BAR15, CZL15, CSN17, CLM15, ELH16, HGR16, KKL17, LSM17, MAK15, MF17, NN17, OS16, OCS18, PCN15a, PR16b, PS14, PS15a, QDRB15, SMOM17, WXW15, WB17, ZLZ15, dFVJ15]. interfacial [DXvW18, GOR17, KRK18, LHA16b, Say17a, Say17b].
**Interior** [MRRRF18, Fer17, OKE17, PKA+16, DM18, SL17]. **interiors** [BLG+17]. **interlayers** [SSL17]. **intermediate** [PDS15]. **internal** [BDJ+15b, BN17, Guo15, MCS16, SVG18, vOMB17]. **interphase** [HG17].

**interpolating** [WLK+16]. **Interpolation** [dPSS16, APP+16, ABdC+18, BGd+17, BST15, CGM18, DJD+17, FYO+15, HSC16, JWH16, KAR17, KMG16, LB15, MCW16, MAP17, MBD15, NMA15, PJC16, FF15, RDG17, WR15, WKOE17, XYPT16, ZWB+18, FFB16].

**interpolation-free** [RDG17]. **interpolative** [BBB15, LTJ+17]. **intersecting** [BPS17]. **intersection** [CZJ17]. **interstitialcy** [BBW16]. **introducing** [TTN+16]. **intrusive** [Blo17, HFND18, HU+18, vdBKD17, NW17].

**intuitive** [ZW15]. **invadopodia** [GP17]. **invariance** [BKP16, GHL15, LJT16]. **invariant** [YZW17]. **invariants** [Hue15, LDHJ15].

**Inverse** [DDJ18, LBTCG16, LLL16, LFT+16, APJ15, BCSK17, BS15, BtTBI18, BGL+17, BKL17, CT15, CGM15, CMW16, EZG16, FK17, GZ16, GRMK15, GWE+15, GH16, GE15, LPU18, L15a, LY16a, LMTC15, NKN+17, Par15, RYZ18, TCD17, WL18, WLK+16, ZF18].

**inverse-power-law** [CT15]. **inverses** [For16]. **inversion** [BFP18, CS16b, LL15, LLY15, MKY17, MR15, PD16a, dFGS+17].

**inverting** [XL17b]. **investigate** [MZ15, WPB15]. **Investigation** [BR15a, CV16b]. **investigations** [ZZ17b].

**inviscid** [BR15b, BR16, LLWJ18, Loz17, RDG17, YSW15]. **invisible** [Chu17].

**involving** [Don15b, FSWW17, FS15, LGD17]. **Ion** [dCPDC+17, CCZ15, KB18, MP16, TT+16]. **ion-acoustic** [CCZ15].

**ion-electron** [MP16]. **ionic** [YX15]. **ionization** [CV16b, LYCC17, YCBC15]. **ionization/recombination** [YCBC15]. **ionized** [PMS15, Zoh17]. **ionizer** [For16]. **ions** [SPCH16]. **IPDG** [CLQ17]. **irradiated** [HMBH15, TT17a].

**irregular** [ABG18, CXL16, GLTG15, LC18, LPG16, L15+15, M15, Tow18, YYA+17]. **irrotational** [LM16]. **iscal** [ALKZ16]. **isentropic** [PCBG18]. **Ising** [PT17b]. **Ising-like** [PT17b]. **island** [MGB+18].

**Isogeometric** [BLJ17, BG16b, HTMP17, KMB16, PXXZ15, PCX17, CRMP16, KC17c, LDL+16, OWKE16, OKWE17, SLVE18, WKO17, ZSX17]. **isoparametric** [Pas16]. **isothermal** [BLV16, KB18, OTS17, TXKD15, XML17].

**isotropic** [An17, CLS+18, SS17c]. **ISPH** [HKH+16, KGS17, HHN16].

**Issue** [KHP15, KZ17, KZG16, Kat16, TM17]. **issues** [NT15]. **Itô** [AAPB17, HHC15, Moh15]. **Itô-SDE** [AAPB17]. **iteration** [HB15b, KFL17, PBBK15, ZH18]. **iterations** [WZ17]. **Iterative** [AA15, GLZ16, H16K15, SW17, AP16, AC16, BDK+17, BDKK17, BSW15, CCHL15, CD17, CDC17, D16G18, DD18, EAA15, GWC17, KA15, Lau17, MM16a, MR15, MVZ16, MBBK17, MTB18, N11W17, Pea15, P16b, P16b, R18P, SBB15, SJ15a, SGD18, SWK18, TKF17, W18L17, W17Z+17, X18R, Y15, Y16B, Y1718, Z18, ZJ16].

**iteratively** [HHL17]. **itself** [MGG18b]. **IV** [LX16].


Kuroshio [YR15]. Kutta [BR16, O’S15b, BR15b, CCRdL17, CB15, HK18, HS18b, JH17, MKV16, MW17a, MH18b, NMC15, PP17, SLL17, WJD16, WBM15a, ZT17].

L [EH15, XS15]. laden [AMB17, BKG15, ST18c]. Lagrange [Bra16b, BMCK15, CGK17, CCS15, DD18, FG16, ID17]. Lagrange-Projection [CGK17]. Lagrange-remap [DDJ18]. Lagrangian [AGBL15, AB16a, BMR+16, BDM17, BS15a, BLD15, BDZ15, BD17, BDL18, BKKJ17, CQG16, CGQ18, Cap18, CM18b, Cot18, DL15, DB16a, DLR15, DAO17, FL18, FBG15, FFJT16, FLW16, GBM16, Ger17, HAH16, KHC+16, KS18, KYPK15, LS16c, LSTkm15, LCF16, MB15a, MWB+15, NR15, OMLdL16, OD17, PP18a, PLB18, PBB15, PKK18, PZF16, PVB17, Ram17, SRBÓ17, SW18, SPB17, SW18, SFT16, TL17].
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VW16, VSM16a, VSM16b, WSN+15, WRL18]. Lagrangian-based [SRBO17]. Lagrangian-type [BDZ15]. Laguerre [Ter18]. Lanczos [ZWUR16]. Landau [BHZ16, EMSS17, FJLC18, GS15b, HYK+16, KL17b, LZ15a, SKP+15, SSL+16b, Tav15, WH16a, ZYW16, ZG17]. Landau-de [BH216], landslides [dIAC17]. Large-Angle [ALA16, MGT18, TR17, VS17]. Large-Scale [DG15b, DL18a, JFH17, LFT16, RPL18]. Large-Scale [DG15b, DL18a, JFH17, LFT16, RPL18]. Large-Eddy [FNP17, CLB+16, BR15a, MD16, RWG18, SMD18, CL16, CWS18, LLM17, PD17, TABR17]. large-angle [TSR15]. Large-Eddy [FNP17, CLB+16, BR15a, MD16, RWG18, SMD18, CL16, CWS18, LLM17]. Large-scale [DKPC15, AG18, Cac15a, Cac15b, CGSS18, CGC17, CM16a, CC16c, CS17b, CHE+17, CMW16, DLL17, ELH+16, FB17, Fer17, FG17, FRW16, GH15, GDFL17, GFL17, GLS15, HX15, HLTC18, IPSG15, JR14+18, KS15a, KDPK15, LLM17, LXL17, LW18, SKP+15, SSA17, VKE+18, XB17]. Laser [AL15, TD16, Vai15, WTS+17, XSM+16]. Laser-Molecule [Vai15]. Last [GG15]. Latency [AW16]. Latitude [SFT16]. Latitude-Longitude [SFT16]. Lattice [AS16, CSB15, GBU15, GW16, GSS15b, HK15a, MKV+17, PF16, ZYW16, ZQCT15, APT17, AJPV17, BT15, BAR15, CLM15, CY15, DBC15, FGL16, FB17, FBL17, FST15, GPS17a, GPS17b, GR15, GBCF15, GBCF16, HLU15, HY15, HW15c, HYY16, HW16c, HW16b, HW18, JSY15, KGT15, KP15a, KS15b, KS16d, LD18, Li17, LC16, LC17b, LWB+16, MWD16, MG15, MK15, MH15+16, NSS16, Ols15, PMGW16, PGG16, RS15a, RTO15, STW16, Shi17, STG17, WSY15, WSHT15, WSY16, Xie15, XR15, YFKS15, YYY+16, ZYW16, ZG17, LDW15, WGM17, YC15]. Lattice-Boltzmann [GBCF16, GBCF15, GKT15, LL16b, WGM17]. Lattices [FST15]. Law [AP16, CT15, LY15, LY15b]. Laws [BD15a, BI15, BT15, BMR+15, BK16b, BLD15, CH17, CS17a, Chol15, CMT+16, Del15, DL18a, EFT15, FS15, FS17b, FHA17b, GKN18, HLS15, HAB16, IC17, ID15, LMS17, LMB15, LS16, MD16, MDH15, MB15, NMM16, Nor15, PS17, SW17a, SL18, SW18, SWZ15, SWL15, SW16, TL15, TM15a, TM15b, VNA15, ZP16, ZQ16b]. Layer [DD14, DL18b, FLW16, Heu17, LDK17, LFT+16, RPL+18]. layer [BG16a, CCK18, CMH15, DGHP17, DDK15, HRJ+16, KM16a, KHP17, NL18a, PM16, SN15, SHL15, ST18b, SD16, SJ15, WSM16, DZR18]. Layered [CHC18, DvB17, Hig15, HN17a, HN17b, LKB15, MSS16, RZ17]. Layers [BJK17, BFGDNR18, BL+17, CHCC18, GTC18, MDT16, Pin15,
least-squares
least-squares/fictitious
LE/S/under
LES/under-resolved
Level
Level-set
levelset
Legendre
Least
Least-squares
legend
Leidenfrost
length
Lewy
Lifschitz
like
likelier
limit
Limitations
limited
limited-view
limiter
limiting
Linear
linearised
linearization
Linearly
Lines
link
Literal
Lipschitz
lipid
Liquid


loads [LC17a]. Lobatto [Kas16, MRRRF18, Teu15]. Local [DLL17, HSC16, KLR15, MSDK18, TL15, ADK17, BBF17, BDZ15, CP16, DKTH15, FB15, GSK18, GX15, KY15, KL15, LW15b, DV17, MNG15a, MK17, OSP17, RGS17, SSL16a, ST18b, TXKvdV15, TXKvdV16, VAD17, WZ16b, YS18, YTW15, ZLH17, ZZW16].

Local-global [TL15]. localised [CK16b]. locality [MK17, NSB15].

Localization [BFP18]. Localized [DLY17, LL16a, AH15, CLR15, WL17]. locally [BFNGDN18, BHF15, CC17a, DGMT17, FGLW18, JW15c, KHP17, Rag15, SLY16, TABR17, ZG18]. locally-cartesian [FGLW18].

locally-heated [KHP17]. located [Kla15]. location [PKLS17]. Looe [LC18, CN16]. Long [FRW16, BPGS16, CLMZ17, GY16, GBS15, JTD16, LXL17, LIW18, OB17, XL17b]. long-range [LXL17]. Long-term [FRW16, GY16]. long-time [LIW18, OB17]. longitude [SFT16]. loop [PCX17, PXX15]. loosely [Buk16]. loosely-coupled [Buk16]. Lorentz [SPCH16, YXD16]. Lorenz [GHJ15]. loss [GKR17]. Low [BK15, CB15, GDFL17, KQB18, STG17, AAI16, AMJ17, AAD16, BDKK17, BH16b, BLMY17, Bon17, CP16, CS16a, CVG18, CDV17, DWR18, DCP15, Dom18, EvA18, FDK17, Fa16, FG18, FYO15, HK18, HLS15, HWA15, KLC18, KS16b, KP15c, KYW15, KYW15, KV16, LT16a, Lau17, LSWF16, LT17a, LO16, MM16a, MVZ16, MBD15, MA16, NMC15, OLHD17, RC18, SP15a, ZHA17a, ZWG17, ZWB15]. Low- [STG17, CS16a].

low-density [LTB16a]. low-dimensional [BH16b]. low-dispersion [HK18, NMC15]. low-dissipation [HK18, HWA15, KV16, NMC15, ZHA17a].


M [EH15, XS15]. MAC [ZZKF15]. MacCormack [ZB15]. Mach [BLMY17, Bon17, BKG15, CP16, Dom18, LT17a, MM16a, MDP15, MBD15, MA16, SP15a, TD17, WDG17, XDS17]. Mach-number [Bon17].
ADK⁺17, CHY16, CLTX15, GP16b, LSS16, MN16c, WYZZ18].

Maximum-principle-preserving [CLTX15].

Maximum-principle-satisfying [SWPS17, CHY16]. Maxwell [QHZ⁺15, ABH18, BV15, BCB15, BCJL17, CW16, CCZC16, CHZ16, CQL⁺, Chu17, CEF15, DDD17, Del15, DgL⁺, ETAG15, Fu16, GSN16, HJZC17, HYY15, Ism15, MM16b, PT17a, SP18, SZ15a, SL16b, SL16c, WR16, YJ17].

MBAR [XR17]. MBAR-enhanced [XR17]. MBO [JME18]. MCMC [AAPB17, BGL⁺17, CLM16, HYL17]. MD [WPB15]. MD-DSMC [WPB15].


mechanically [ZX17]. mechanics [BT17b, CGC17, DPRZ16, DPRZ17, FRL15, FFJT16, Jec17a, KGP⁺17, MSH⁺, NRZS17, Sc15, YT17].

mechanics-based [KGP⁺]. mechanisms [WTS⁺]. mechano [FRW16].

mechano-chemical [FRW16]. media [ABI17, AVEV18, An17, APK16, BTG17, BGTM18, BDMC15, BPS17, BC18, BCJL17, BSWG15, BHMS18, BKKRB16, CHCC17, CLQ17, CS17b, CLNH15, CvKH16, CFvKH18, DSS18, FPT17, GFG⁺, GH17a, GAS⁺18, HSK⁺, HN17b, KJ17a, KLRT15, LW18, LP16a, LH15, LT15, LZT17, LNM15, MCN18, MP15a, MV16, MTD15, ML16, OL16, Pf16, S16, S17, SWML17, SMT⁺, Si16, TWH15, TAH16, VS17, Vos17, XML17, YJ17, YGJ17, YSY17, YB17, Zad11, ZZ17b, ZWUR16, dMRHJ17].

Medium [MSG18a, MSG18b, BN15, BKL17, CGMH18, DvB17, GCVCH18, HM17, Iwa15, LTKA15, LH17b, LRGO18, MSS16, NH17, ZF18].

MEEVC [PG17]. melt [RTO15]. melts [SB18]. membrane [CJYZ15, GGT18, MTK15, XR17, YM17b]. membranes [LAA16, MTK17, RG15, RAMB15, SAMA⁺16, SOM⁺17]. Memory [SZ17, AMK17, DOO17, FYO⁺]. MBSS15, MV16, TP17, WLC15].

memory-efficient [DOO17]. Memory-optimized [SZ17]. Mercer [AABD15]. merging [KK17b]. Mesh [BV15, LS15c, PSB⁺]. PWC18, SL18, SW18, Sla16, WBB16, APP⁺, AB16a, AMS17, BHZ16, BOA17, BSM16, BD16, CTJ⁺, CW17, CHJT17, DRP⁺, DvW15b, DMS17, Fid17, FBG15, FP16, GBR15, GvZB16, GSN17, HS17b, HS18a, HIN⁺. HLL⁺, HDA⁺. HK15b, HW16c, JW15c, KF15, KAR17, KLRT15, KJ18, KS17, LSLA16, LS16b, LNM15, Loz17, MLM18, MCW16, MW17b, MSB⁺, NH17, NS15, OKWE17, OD15, RBJS15, SRBÖ17, Say17a, Say17b, SKS17, SW15, SFP16, Sub15, SJX17, SZ15, TVB⁺, WQZ15, WDS15, WKO17, WHZ18, XL17a, YHQ15, YGJ18, ZL15b, ZJ18, ZHLZ18, ZL15c, dAC17].

mesh-decoupled [OD15]. Mesh-free [SW18, Sla16]. mesh-induced [HDA⁺]. mesh-to-mesh [WKO17]. meshes [APP⁺, AAE17, ATK16, AM17b, BCST17, BD15a, BD15b, Bal15, Bar18, BT16, BD15, BD17, BDLM18, BD18, BRW15, CGK17, CWM⁺, CHY16, CSN17, CLTX15, CCM17, DSH⁺, DC18, DvW15b, DL16, DMTB15, EDvW17, FLHA17, Her16, HR17, Ism15, IM15, JBO15, KKL15, KDPK15,
LLD$^{+16}$, LSLA16, LMG15, LLP$^{+16}$, LYT16, LL16b, LJ16, LSZ18, LTW18, LMB16, MSD$^{+17}$, MMvR18, MHS16, MVB$^{+15b}$, MW17b, MM17, PXY16, PM16, PR17a, PL16b, DDM18, QDH15, RBI18, Rag15, RGV16, SAF17, SL17, SWMD17a, SWMD17b, SWL15, SYM17, SSM16, TLQ15, TD16a, TD17, TD18, TC15b, TLR16, TLB$^{+18}$, Tso18, VST16, WWR16, WHY17, WWGK17, XP15, ZZZ17, ZLFW18, ZQ17, ZXDL17. meshfree [AS17, SMLB15, ZZW$^{+16}$, FPT17]. meshing [MMSS15]. Meshless [IKI15, BDB18, CLR15, DA17, TSH17, TMH16, TMH18, XYPT16, YHKPF17, YTW15, ZMCC18]. mesoscopic [CFPB17, DOO17, SGC$^{+17}$]. meta [IKI15, BDB18, CLR15, DA17, TSH17, TMH16, TMH18, XYPT16, YHKPF17, YTW15, ZMCC18]. mesoscale [CFPB17, DOO17, SGC$^{+17}$]. mesoscopic [IKI15, BDB18, CLR15, DA17, TSH17, TMH16, TMH18, XYPT16, YHKPF17, YTW15, ZMCC18]. meta [KS16b]. meta-models [KS16b]. meta [IKI15, BDB18, CLR15, DA17, TSH17, TMH16, TMH18, XYPT16, YHKPF17, YTW15, ZMCC18]. method [SDJU15]. Method [ACGR15, BQCG17, CE17, Chu17, GFG$^{+15}$, LFR17, MC15, PMF$^{+18}$, RKO$^{+17b}$, SMAG17, WZ18a, ABI17, AM17a, ARG$^{+17}$, AMN18, AASRT17, ABG$^{+15}$, AR16a, APR$^{+15}$, ACCDA16, ACCCD$^{+17}$, ALK16, ASB$^{+15}$, AB16a, AMS17, AB18, ASS13, ASS17, AP16, AGRB18, ADK$^{+17}$, ACS16, ACJ17, AT18, AB15, ABD$^{+18}$, AÄPB17, ABI17, ALTR17, ANL$^{+16}$, AJVH17, AG18, BCSK17, BJRF18, BK17a, BM15, BFI$^{+16}$, BZ16a, BXY17, BDG$^{+17}$, BJWZ17, BV15, BLA$^{+15}$, BBF$^{+17}$, Bat17, BtTB18, BBB$^{+16}$, BNN18, BC16a, BZ15, BC16b, BMT18, BBK18, BS15b, BVS18, BAR15, BGG16, BPT17, BTA17, BKKJ17, BHTT17, BLC$^{+17}$, BPM18, BHF15, BTWY15, BC16d, BFTVC18, CQQ16, Cai16, CZW17, CGQ18, CDM$^{+16}$, CCHL15, Cap18, CFO18, CHT17, CDM18, CGMH18, CTJ$^{+17}$, CW17, CJD$^{+17}$, CXL15, CCZC16, CXL16, CXX16, CZ16, CH17, CZ17, CL17]. method [CWWZ17, Che18, CYL$^{+16}$, CYYL18, CZL18, COV18, CSG17, CDN17, CLR15, CMDL18, Cho15, CLL17, CFST16, CBN$^{+16}$, CLQ17, CEL18, CVG18, CPS17, CSK$^{+16}$, CCL16, CS15, CLM15, CV16b, CM16b, CLP16b, CLMZ17, CYWL17, CLNH15, CVKH16, CFKH18, DM17a, DM17a, DMAM15, De18, DM16, DCA$^{+16}$, DJV$^{+18}$, DLM18, DC18, DKPC15, De15, DDV18, DGMT17, DG16b, DZ16, DS16, Did17, DLR15, DLR18, DF16, DH18, DMS17, DMR17, DAO17, DVP$^{+16}$, DW15, DLL$^{+17}$, DL16, DwWZ18, EDC16, ESMA16, EL17, EK5515, EKEB16, ELH$^{+16}$, FR18, FGL16, FBL17, Fal16, FS16, FHS17, FMRZ17, FG16, FCL17, FB15, FNP17, FGB16, FB15, FLV18, FLHA17, FHA17a, FSM16, GS16, GB15b, GP17, GHM15, Gam15, GZ16, GH17a, GFC18, GP16a, GLTB18, GPS17a, GPS17b, GH15, GWC17, GG15, GB17]. method [GNK18, GN16, GWWC17, GCVCH18, GEZK16, GHJ15, GZ18, GTG15, GY15, GFW16, GH16, GY18, GP16c, GL17, HPY18, HL16a, HHA15, HW16, HXL15, HS17a, HHR15, HB16, HZL$^{+15}$, HLL$^{+16}$, HG17, HGW18, HK17, HW16a, HP17, HM16a, HR17, HHC15, HMBH15, H16b, HGN17a, HGN17b, HJZC17, HN17a, HN17b, HMFF18, HSC16, HLY17, HZ17, HL15, HLY15, HJ16, HLY16, HXX18, HC17, HY15, HHY15, HZ15, HSSZ16, HY16, HW16c, HMRG16, Hw16, il15, il17, IK15, IML15, IM17a,
method-of-lines [SWMD17a, SWMD17b].

methodology [Cac15a, Cac15b, DLK17, FKDL17, KYUO15, LSMS17, MNG15a, MJ16, MN18b, PBA15, RLV16, RDM15].

Methods [FFW17, JHPAT17, AAG16, And16, ADH16, ALT17, AC16, AAPP17, ALA16, BH16a, BMR16, BHdD18, BDM17, BAVC17, BGGM15, BCJL17, BK16b, BD18, BRW15, CLW18, CC15, CDL17, CWM16, Cha18, CE18, CQ15, CH16, CHY16, CS17a, CW17, CKQT15, CCKQ15, CRMP16, CVK16, CLX15, CEL15, CR18, CK16a, Cot18, CHLZ17, DD17b, DDD17, DPV15, DZ16, Die15, DB16a, DM17b, DKK18, DGL15, DKC15, DZC16, DZD17, EHXM15, EFT15, EG18, EARA15, FH17, FK17, FSW17, FGLW18, FHE15, FPD17, FRR16, FL16, FS17b, GM15, GO15, Ger7, GFO18, GO16, GrvR18, GLMC16, GH17b, GY17, GXX17, HGR16, HKW15, Htu17, Hu17, HXB15, HB15a, HS18b, HDF18, IC17, JZSX18, JW15b, JL15, JX15, JZ16, JL17b, JWH16, JXZ15, JBLO15, JFS17, JSY15, KTK15, KS16a, KDF15, KMS18]. methods [KPKG15, KA15, KADE17, KE15, KK17a, Kla15, KRFV16, KG15, KS15b, LSMS17, LTBCG16, LH17a, La17, LSL15, LPWK15, LE16, LW17a, LW18, LYG16, LW17b, LPR18, LX18, LY15b, LL16c, LGB16, LP16b, LJ16, LSZ18, LKSM17, LYT16, Lot18, LLLN18, LH15, LP17b, LS16, MM16a, MRM16, MGT18, MS16a, MK17, MCW16, MNG15b, MVK15, MAP17, MDHC15, MW16b, MD15, MGG16, MDD16, MBBKTH17, Moc17, MW17b, MIP15, NJ15, NPC15, NDCB17, NN15a, NGY17, Nor15, OLDN17, OWKE16, OKWE17, PP18a, PR17a, PP18b, Pea15, PT18, PG18, DDM18, PR17b, PBV17, PSP16, QSY16, QDH15, RFGS15, R16, RH15, RNM18, SGN16, SCN17, Say17a, Say17b, SLH18, SWML17, SZ15a, SW18, SSB15, SSL16, SLL17, SY18a, Shu16, SDM17, Sid18, SX15, SE16, SGT16, S16, S16c, Suz18, TSC17]. methods [TK15a, TMT17, Teu16, TL15, Tsa15, Tsa16, UL16, VPV17, Vee16, VN15, VW17, WCN15, WJD16, WTGC16, WSN18, WGE17, XB15, YSY17, YY18, ZK15, ZM15a, ZL16, ZT17, Z15, ZZT16, ZXDL17, dFJ15, dFJ16, dCGCA17, CEH16]. Metric [SYV17, SYV14]. metrics [KF15, LTR16]. MHD [BD15a, BBKS16, BK17c, CS16a, DWG16, DWG17, DWG18, HIN16, LZ17a, LSZ18, MHX16, PE15, SY18b, WG16b, WD16, WRL18, YF17].

[LZ15b]. microphysical [SNB+15]. microscale [BRK17]. Microscopic [VS17, FHE15]. microsphere [LJZ15]. microstructure [CPT16, LMM17]. microstructures [HS17a]. microswimmers [Str17]. microwave [BPF+16, HK16b, NOM+17, PKLS17]. midpoint [EMSS17, WH16a]. Mie [GHJ15]. migration [LZ15b, MMNI16, Par15]. MILU [PKJ+18]. Mima [HK15a]. mimetic [GL17, KL17b, KD17b, LPG18, LMMS16, OvdHVH16, PKF16, PG17, Fei16, TC15b]. Minimal [BTST16, LKN17, MP15b, PCX17, ZD15a]. minimalism [OSKN18]. minimax [HPV16]. Minimisation [Jou15]. minimization [BH16, CEL18, GLZ16, GNZ18, JES15, LL16a, LT17c, PHD16, Tav15]. Minimizing [Iwa15, Sto16, ZM16b]. Minimum [CGM18, CM15, RSB16, WY17, WA18]. miscibility [KS16c]. miscible [LW17a, SHLG15, SWML17]. Mixed [DS16, DH18, Fal16, MF16a, RBL16, AVT17, ABN15, AGR18, BNS17, BSM16, CWF16, Cha16, GS15b, GVTQ16, JL17b, KKL15, LPG18, LPR18, Mel18, MJ17, MR16b, NPP15, RB15, SPB17, SY18a, SHW18]. Mixed-hybrid [MF16a, AVT17]. mixed-primal [AGRB18]. mixers [MKV+17]. Mixing [SMD18, BLG+16, ES18, WSN+15]. mixture [CZB15, PS14, PS15a]. mixture-energy-consistent [PS14, PS15a]. mixtures [HHM17, KL17a, WZRZ15, ZYW16, Zoh17]. MLFMM [XB18]. MLFMM-based [XB18]. MLRPI [HSC16]. MMALE [CZ17]. mobile [BVM17a, RZ15]. mobility [BDPM18, DD16a, EJZ17, MS17]. Modal [HB15b, GTL18, SZ15a]. mode [IG15, KH18, LWY18, ZL16b, ZL17a]. Model [BHST17a, Jl18, LMP15, NP16, SS15a, Sch16a, AAG16, ASB+15, AEL+15a, AEL+15b, AMB17, AEWV18, AZ16, AP16, Ama15, Ama18, APT17, ADHN15, Ani16, AMM+15, BhdD18, BFT+18, BH16b, BM16, BVM17b, BTVB15, BLG+16, BCG+15, BG16b, BTVC16, CF15, CBA17, CPT16, CS16a, CL16, CLY+15, CIZ15, CZL+15, CS15, CE16H, CE16, CV16a, CH17, CDV17, CGG18, DG16a, DPK17, DKTH15, DW15, DK15, FB17, FST15, FK17, FKY15, GHH15, GMS16, GFL17, GCVCHH18, GGT18, HFND18, HX16, HK15a, HLU15, HQL16, HW15c, HW16b, HW18, Hwa16, HY17, Ido16, IG15, Jac17a, Jl15, JS17, J18a, KM16a, KC17a, KL17a, KHP17, KK17a, Kor17, KBG+15, KGP+17, KDPK15, KRK+18, LVB+15, LS15c, LZB+17, LTV15, LWY17, LHMB18, LLY18, LZF+15, LS17, LDGH16, LHW+17, MN116, MNG15b, MP17, MP15b, MGB+18]. model [MCHL16, NMM17, NF15, NMA15, NCP+17, NWKC16, NWZ18, OS16, PD17, PM16, FS14, PS15a, PMGW16, RMM15, RKL15, ST16, SRBO17, SN15, SPD+17, SA16, SAH17, SRBB18, SD17, SYY15, SLB+16, SS16c, SZZ15, TP16a, TTT+16, TS17, TD16b, VST16, VCN15, WMY16, WW17, WSN+15, XWW+16, XYF+17, ZC15, YDKS15, YCB15, Yan16b, Y17, YZW17, Yan17, Yas17, YP17, YY17, YCS+17, ZL15a, ZC15, ZYW16, ZXL17, ZWB+18, ZR17, ZWUR16, dSDPH15, dPS16, tEDKT17, ALA16, JL17b].
model-based [FK17]. model-form [XWW+16]. model-order [ZWUR16, dPSS16]. modeled [STG17]. Modeling [BBMN18, CSY15, DD17a, DD15, HFM17, PKP+17, PMS15, SSL17, TK16, AASRT17, ANL+16, BB17, BLL16, BMR+16, BH16b, BHGK18, BHTT17, CFG16, CW16, CPM16, CLvS17, CFPB17, DSS18, Did17, FB17, FSK+16, GH17a, GFC18, GHR17, GW16, HHA15, HGR16, HSK+15, Hu18, HMBH15, HKS+16, JTR16, JH15, JS16, JJ18b, KZ17, KSV+15, KS16c, KZG16, KW16, LYLK17, LHM16, LMK15, LGD17, LTXB17, LMM17, LYDB17, LHA16b, MKY17, MF17, MGK17, MSV+16, MAH16, MF16a, NLF16, NSK+16, PD16a, RTO15, SSL+16a, SBG+17, SMP16, SCQP16, SK15b, TCA16, URL16, Vai15, VoS17, WMY18, WB17, XML17, YYL16, YPK16, Zad11, ZCHS15, ZZDB15, ZG17, ZHL18, ZLC+18, ZZ18, Zoh17, dFGS+17].

model[18]. Modelling [LZ15b, RZ15, YXF+16, ABG+15, BPGS16, BHMS18, BB15, DLL17, FBC+16, KMS+18, Mel18, MM16c, SS16a, SZF15, TAJ+17, YSC+17].

models [ABP+16, AA116, AS16, ATF16, BTD16, BLVC17, BH16b, BFNGDN18, BK16b, BKR15, CT15, CDM+16, CGK17, CS16c, CKQT15, CCM15, CMR+16, DD17b, FO15, FPT17, Gri15, GH17b, HAPK15, Hig15, HLQ16, KMD+18, KKP15, KL17a, KS16b, KBF17, LM15a, LK17, LPW15, LLL16, LTWZ18, LPBR15, MHHX16, MCN18, MNL16, MP15, MRT17, MTL+17, MLB16, Niu16, OTS17, PKW17, PT17b, RK18, RS15b, RBL16, SZY16, SGC+17, SFDE15, SSO+15, SGA+15, TYD16, VM15, VBG+17a, VD16, WJD16, WTL17, WX17, XTS+16, YNW17, ZA15a, dBM16, dCGCA17, DCP15]. modern [GFA+16]. modes [KP15c, Tr16, WYLX17].

Modification [BK17a, Lau17, Ob15]. modifications [WS16]. Modified [BDMC15, BTA17, MJ17, SW17b, WZ18a, HS18b, KDL15, PKB15, PR16c, SwS16, Sva15, XJ16, ZLL16a, ZLL16b]. module [SDH+16, SKG17]. MoF [CZ16, CZ17]. moist [ZA15a]. molecular [BBW16, BT17b, CGC17, CSCM16, Dac10, Dac15, DFS16, FASS16, Gen15, JLF17, KBB15b, MD15, QS16, RS17, ST15, SMAG17, SAOW17, WYLX17, WTS+17, YSWW16, YT17, YZW17, YZW+18, ZLH+17, ZD17].

molecules [ELH+16, LAA16]. mollified [FHS17]. Moment [AB16, LG17, RKO+17b, ZM16b, AS15, DPW+15, GH15, HLQ16, LN17, LH18, Nor15, SBT17, SG17b, TC15a, TKC15, TLQ16, WYA+17a, WYA+17b, XX16, XDSX17, JSS15, MKC17].

Moment-Based [AB16, DPW+15, TC15a, TKC15, TLQ16]. Moment-of-fluid [LGB17, JSS15].

moments [DC18, FLV18, STR15, SL16a, SGP17b, ZLX17, PMF+18]. Momentum [IBML16, ALT17, Bra16a, DL15, DS15d, JST17, KDL15, LBZA16, LM16, MR17, MB15, MFG15, OD17, RKH15, TCM15]. monatomic [WZRZ15].

Monge [DL17, WBBC16]. Monodomain [CGG18, LST+15, VLP+16].

monoenergetic [GMP16]. Monolithic [LRGO18, BVMW16, BZ16b, CM16a, PKLC16, PKLC17, PLC18, PAL+16, ZS16]. monotonic [ZA15b].

monotonicity [DVW15b, MG15a]. monotonicity-preserving [DVW15b].
Multi-frequency
[Par15, KKN+17, Par17, ZZ17a, ZF18]. multi-grid
[LML+16, LLM17].
multi-layer
[KHP17, SD16]. Multi-level
[MSS16, LLY15, IBML16].
multi-material
[HTZG17, KKL17, MZAF16, VSM16a, VSM16b].
multi-medium
[LH17b, multi-mesh
[WHZ18]. multi-moment
[LH18, Nor15, XX16, XDSX17]. multi-output
[ZKS+15]. multi-particle
[LKB15]. multi-phase
[ABG+15, AB15, FPT17, HSB16, OT15, SPX+18, Sha17a]. multi-physically
[WED15]. multi-point
[AEL+15a, AEL+15b]. multi-relaxation
[APT17]. Multi-resolution
[BLK15, RHvR+15, TCB18, LKK17a]. Multi-scale
[BB15, KS16c, HHA15, HHL17, KJ17a, KLRT15, KSSL18, LHA16b, SDJU15, SPM+15, ZPE+16, dCGCA17]. Multi-solid
[NFG15]. multi-source
[NLK+15]. multi-species
[HYK+16, TC15a, TKC15, TCSM15]. multi-stage
[FPASS16]. multi-symplectic
[CHZ16, CHL17, LW15b, SL16c]. multi-term
[BZ15, JLLZ15]. multi-zone
[GEZ16]. multiblock
[ADFG17, MDHC15]. multibody
[FS15]. multicanonical
[CL17, WL16]. Multicomponent
[FSB16, GSS15b, HG17, LWB+16, MT16, NF17]. multicontinuum
[RBL16]. multicore
[AAB+16, RHvR+15]. multicube
[LTR16]. Multidimensional
[BD15b, BN17, SWMD17a, SWMD17b, SS17c, BD15a, BAC16, BK16a, BTGM17, BK17b, BGTM18, BLD15, BDL18, DLM18, EG17, KD17a, Kay15, KS15a, MD18, MS15b, SJX17, SW16]. multidimensional-like
[KD17a]. multidimensions
[DL18]. multidomain
[OV15]. multifluids
[SWPS17]. multifractal
[RW18]. Multigrid
[JX15, RM15, ANL+16, BCB17, CXX16, CGC17, CR18, CV16b, EJMI18, FGLW18, ILNS16, ILNS17, LRGO18, MR17, MM16c, MDM17, PH17, Pop15, RWG18, RNW18, DD17c, ST16, WMY16, YM17a]. Multigrid-based
[RM16, CV16b]. multigrid-framework
[MR17]. multigroup
[ACJ17, Her16, WKO17]. Multilayer
[BFGNDR18, Jou15, CDV17, FNDR18]. Multilevel
[KMS+18, CvKH16, CVKH18, FDK17, Gen15, HXX18, JC17, RS15b, SLR+16, XZ15, BC16b, LPU18]. multimaterial
[BMR+16, SDJU15, SO16, dB16, JS15]. Multimodal
[FK17, LL15]. multiparameter
[PG15]. Multiparticle
[AWS16]. Multiphase
[BDP18, Don18, WST15, WX17, YD18, APP+16, APT17, BJ15, CZL+15, CD17, CM16b, CLN15, CVKH16, DM17a, DB16a, Don17, FBL17, HFM17, HG17, HW16b, HW18, IM17a, KPP15a, KRK+18, LK17, LRA17, LT15, LST17, LHA15b, MHL17, MF16a, OD17, RN17, RW15a, STW16, SCJ+18, TP16a, Vos17, WSY15, WSS+15, WCH+17, YXF+16, YCS+17, dFV15]. Multiphysics
[JS16, CGM15, SL16, TT17b]. Multiple
[BW18, EARA15, HG15, PBC+17, AN15, CC16a, CCZ16, DNBH15, FBL17, HMRG16, LK16a, LY16a, LVL18, OMVD+15, PKW17, RC18, SGA+15, WBC+16, XB18, Xic15, YNW17, ZZDB15]. Multiple-correction
[PBC+17].
multiple-direction [LK16a]. multiple-reflection [XB18].
multiple-relaxation-time [FBL17, Xie15]. multiple-resolution
[OMYvdP+15]. multiple-scale [LY16a]. multiple-species [SGA+15].
Multiple-time-stepping [EARA15]. multiplicative [DDV+15, HJZC17]. multiplier [FG16]. multiply [HN17a].
multipole [AC17, JDFS16, LLEK17, TCD17, YS18, ZGD+16]. mulotipo-to-local
[YS18]. Multiresolution [BT17b, YT17, BCO+15, BDM17, HW16a]. multiring [GFL17].
Multiscale [AAST17, AEVW18, BLL16, BHTT17, CHT17, CCK+17, CJ17,
GFG+15, GH17b, LE16, LYDB17, PD16b, SS16a, dMRHJJ17, BZ16a, BM16,
LL17, BRK17, CE18, CEL15, CEH16, CEL18, Cot16, CLNH15, DGW18,
DD17b, DLR15, EZG16, ELH+16, GFC18, JTR16, JL15, KKP15, KZ17,
KAR17, KK17a, LPBR15, MVKD15, MGK17, MTL+17, ML16, NGS16,
RWG18, SMT+16, SOO+15, SDW16, TPT16, TWH15, TAH16, TR15, TL15,
XCX17, YB17, Zau16, ZS16, ZZDB15, GAS+18, TKB+15]. multiscaling
[Lot18]. Multislope [LMG15]. multispecies [TCS16a, ZL16]. multispeed
[LPS15]. multistep [Ter18, VK16]. Multithreaded [RB18]. Multitrace
[JHPAT17]. Multitrace/singletrace [JHPAT17]. multitude [QLF16].
multivalued [FFW17]. multivariate [KM16b]. Multiwavelet
[GCVMK15]. Multiwavelet-based [GCVMK15]. murmurs [SBG+17]. MUSCL
[BR16, BR15a, BR15b, LGM15]. musculo [KBG+15, KGP+17].
musculo-mechanical [KBG+15, KGP+17]. MUSIC [AJP15, PKLS17].
MUSIC-type [AJP15]. myocardium [VLP+16].

Nano [Eva18, BLL16, CFPB17, HCW15]. Nano-particle [Eva18].
nano-transistors [HCW15]. nanocomposites [LYDB17]. nanogap
[VCNP18]. nanometer [SSL+16a]. nanoparticles [SAH17]. nanopores
[MBBTH17]. nanoscale [YT17]. nanostructured [SU15].
nanostructures [HC17, VCNOP18]. nanowires [BDPM18]. Nash [TZ16].
natural [CB18b, PKLC16, PKLC17, SL17, WSF17].

Navier [HW15a, AD15, AB17, BTD16, BTBV15, BHFI5, BC16c, CHOR17, CS16c,
CYL+16, CYYL18, CDN17, CCKQ15, CLP16b, FWK17, FBW16, GTG15,
HPY18, HGW18, HTMP17, LM18, Ler16, LXC+15, LZB+17, LT17a,
LMHB18, LM16, MLM18, MPFL16, MHS16, MR16b, MN18c, OvdHVH16,
PG17, PXL16, PX16, PCN15a, PCN15b, Pea15, PND16, PDRB17,
PBBK15, PMB18, RDM15, SHLG15, SMS16, SLB+16, SLY16, SE16, Stü15,
Stü17, Svä15, TD16a, TD17, TXKvdV15, TXKvdV16, UL16, WY17, WR15,
WZ18a, XWW+16, YC17, YTW15, Zha17c, ZLFW18]. Near
[LW16, CV15, KW15b, LW15a, Liu16, LZL+17, MS17, Ols15, ST16, SX16].
near-boundary [Ols15]. near-coplanar [KW15b]. Near-field
[LW16, LW15a]. near-limit [LZL+17]. near-wall [MS17]. Nearest
[GKMS17, Smi18]. Nearest-neighbor [GKMS17]. nearest-neighbour
[Smi18]. nearly [Tsa16]. nearly-singular [Tsa16]. need [RFGSV15].
negative [SiI16, YC15]. neighbor [GKMS17, TST+15]. neighbour [Smi18].
nematic [KLIQ17, ZYSW16]. Nernst [LW17e]. nerve [MW16a]. Nested
[PSMPG17, LWTZ17, SLY16]. net [CMDL18]. network
[BBB+16, BLVC17, KJ17a, RH18, VLP+16]. networks
[AM17, BPS16, BK16b, BDBG15, CTM+16, Cot16, EEE+15, HU18,
MWD16, MPT16, MB15, MMW15, Noc15, PVFN15, SSDN15, ZZ18, FBC+16].
Neumann [JTD16, ABN15, BK17b, Cha16, DGHP17, GBD17, MK15,
PK1+18, PS17, WSY16]. Neural [FBC+16, HU18, RH18]. neutral [AMA15,
AMA18, DDD17, Fon16, GMP16, GBD+15, KKS15, KKS16, Luc15, TSFS17].
neutral-fractional [Luc15]. neutron [ACJ17, BABD16, BCG+15, CSK+16,
HL16b, JPL15, Lao17, LBB+16, OWK16, WKO17, ZCL17].
neutron/photon [BCG+15]. Newmark [RGPS17, SSM+17]. Newton
[AB17, ALTR17, LMS17, PKN17, YSY17, ZHLZ18]. Newtonian
[AS17, CSB15, DPRZ17, RV16, TL17, ZLC+18]. NFFT [NPP15]. Nicolson
[FFB15, HYL17]. NILSS [NW17]. nine [DWG+18]. nine-wave [DWG+18].
Nitsche [GY18, JGS16, ZS17]. NLT [YXX+16]. NN [SW17b]. Nodal
[QDH15, CM18b, EKE16, FCL17, GWK16, LWLC17, LSTK15, TVB+16,
WWK17, XLQ15, ZS16]. node [JPL15, PG18, SGP17b, ZY17]. nodes
[PR17a]. Noh [VW18]. Noise [YR15, CHZ16, CVG18, CHLZ17, DWR18,
HJZC17, KH15, MGT18, ZLL17a, ZPE+16, ZRE16]. Noise-induced [YR15].
noisy [CWL+16, RPK17a, SF16, SS18]. Non
[ALMJ15, HU18, PT17a, RRD16, vDBK17, AMH+18, AD15, ACCCD+17,
ADGN17, ALKZ16, AS17, AB16a, AZ16, ABFR16, AB15, Bat17, BLVC16,
BWR15, Blo17, CC17b, CSB15, CyWY16, DRM15, DTH15, Dom18,
DB16b, FL18, FN17, GMLD18, GN16, GL17, HYK+16, HFND18, HWH+16,
HFM17, HKK16, HWA15, HY16, IM15, KKL17, KJYC17, KZR15, KBR17,
LM18, LH15, LB15, LYT16, LW17c, LJ16, LAA16, MG15a, MK17, MM15,
MPP15, OKE17, P17, PL16b, STR15, SSL+16a, SL17, ScI15, SS16b,
SYM17, ST15, SPP16b, Sp15, TXKv15, TSST16, TFK17, WR15,
WWRS17, WMS18, WG15, XYF+17, XML17, YS15, YY16, YHKPF17,
ZFBI6, ZD15a, ZLC+18, ZZ+16, ZQ17, dHC16, NW17]. non-adapted
[SL17]. non-adiabatic [BLVC16]. non-aligned [KKLS17]. non-blocking
[HL15]. non-canonical [ZS17]. non-classical [Sp15]. non-conformal
[ADGN17, Dom18]. Non-conforming [RDR16]. non-conservation
[SPP16b]. non-conservative [CC17b, DB16b]. non-constant
[OKE17, WG15]. non-convex [IM15]. non-Debye [MG15a].
Non-deteriorating [PT17a]. non-dissipative [AMH+18]. non-equidistant
[WWRS17]. non-equilibrium [BWR15, CyWY16, DRM15, GMLD18,
HFM17, HKK16, MPP15, STR15, WMS18]. non-flat [KJYC17].
non-Fourier [ST15]. non-Gaussian [ZFPB16]. non-graded [Bat17].
non-Hermitian [ZD15a]. non-homogeneous [HWH+16]. non-hydrostatic
[AZ16]. non-ideal [PL16b]. Non-intrusive
[HU18, vDBK17, Blo17, HFND18, XYF+17, NW17]. non-isothermal
[BLVC16, XML17]. non-iterative [TKF17, YS15]. Non-linear
non-local [DKTH15, SSL^{+}16a, dlHC16]. non-locality [MK17].
non-Newtonian [AS17, CSB15, ZLC^{+}18]. non-oscillatory
[HWA15, HY16, LI16, ZQ17]. non-overlapping [AB15]. non-polynomial
[LW17c, YY16]. non-reflecting [FN17]. non-relativistic [Sel15]. non-slip
[LM18]. non-smooth [MM15]. non-stationary
[ACCCD^{+}17, TSST16, ZFPB16]. non-symmetric [GL17]. non-tensor
[ABFR16, LB15]. non-uniform
[AB16a, FL18, LYC16, PL16b, SS16b, SYM17, WR15]. non-uniformly
[LAA16]. non-zero [KBR17]. Nonaffine [CS16b]. Nonaffine-parametric
[CS16b]. nonconforming [BTT18, VPM15]. nonequilibrium
[DFS16, SKO18]. nonhydrostatic [SZS15]. nonisothermal [BMT18].
Nonlinear [BGM16, LT15, dPSS16, ACJ17, ATZ16, ABR16, ALT17,
AEAM15, ANL^{+}16, BM15, BHKS16, BJTZ15, BM16, BCJL17, CBA17,
CRW16, CGMH18, CS16b, CLP16a, CHLZ17, DSS18, DLL^{+}17, EAAM15,
EKEB16, FW18, FSWW17, FBF15, FKR16, GS15c, GFL17, Gno17,
GWWC17, GX17, GP16c, HdBH^{+}16, HU18, HHG15, HAH16, Hue15,
KM17, KM16b, KC17c, LMS17, LM15a, LZ16, LYC16, LGH^{+}18, LZ17b,
LZZS15, LW17d, LIW18, LYDB17, MD17, MD18, MBJ16, MBNJ16, MK17,
MGKG17, MW17a, PE16a, PBA^{+}15, DM18, RK18, SPP^{+}16a, STEK17,
SAEF17, SWG^{+}17, SY16, SL15, SK15a, SY18a, SYM15, SS18, SJH^{+}15,
SC18, TCS17, TT17b, TMT17, WH15, WMY18, WL17, WHT18, YSC^{+}17,
YYN^{+}17, YNW17, YL16, YJB18, YL17, ZK15, ZVO15].
Nonlinearly
[YSY17]. Nonlocal [MGT18, ATZ16, BJTZ15, CP16, DWW15, DY17,
DJIQ18, EMZ16, VCNOP18, WW17, XJ16, ZGJ16]. nonoscillatory
[BR17, HBR15, YC17]. nonplanar [DD16b]. nonseparable [ZKS^{+}15].
nonsmooth [XY18]. nonsymmetric [EJMI18]. num
norm [BD16, CM15, CM18, DBZ17, Mat17, MO18]. norm-oriented [BD16].
normal [IM15]. normalized [HK16b, Rua18]. note
[AM17b, HS17b, Teu15, YY16, ZW15]. Novel
[Mue18, RC18, BTVB15, BND16, DWGW16, DWGW17, DwWZ18, FFJT16,
FLHA17, HY17, JLKF17, KD17a, KM15, DV17, MMvR18, PN17, TCL15,
VST16, WS16, YTW15, ZL15c, ZRE16]. nuclear
[AbdC^{+}18, DDJ17, GDS^{+}16, HBC^{+}16, MTL^{+}17, PBA^{+}15]. nucleate
[SN15]. nucleation [FSK^{+}16, KES18, KK17b]. number
[BBKS16, BLMY17, BFNGDNR18, Bon17, BKG15, DCP15, Eva18, GSN17,
LLFX18, LWL18, MM16a, MDP^{+}15, MBD15, MA16, NL18a, Pan15,
RFGSV15, SP15a, WSY15, WDGW17, WGME17, ZV16]. numbers
[JD^{+}18, KJ17b, TD17]. Numerical
[APR^{+}15, ALA16, BLVC16, BTT18, CRW16, CPSF17, CC17c, CCZ15,
CV16, CV16a, DLL17, DGPB17, DNOP15, DwW15a, EKSS15, HGR16,
HB16, HX16, KS16b, KYW^{+}16, KYW^{+}18, LW15a, LLVF^{+}15, LMM17,
LAA16, LM15d, Mac15, MSG18a, MSG18b, MR16a, MC15, MFB18,
NKN$^{+17}$, OTS17, OMYvdP$^{+15}$, PM16, RS15a, RF18, STKH15, SDFA17, Str17, SS17c, WHL18, WL18, YSWW$^{+16}$, YZW17, YY17, ZB15, ZZ17b, ZZPH18b, ZZPH18a, ZLL$^{+17}$b, ZS17, dLDG$^{+18}$, ABI17, AAG16, ASB$^{+15}$, ADH$^{+16}$, AM17b, BCB15, BS15a, BDBEE15, BR15a, BK16b, Bre18, BC16d, CM15, CW16, CWL$^{+16}$, CYS17, CSG17, CLGA17, CELI15, DM17a, DS15a, DSS18, DLNR18, Dod17, Don15b, DLS15, DL18b, DBMB15, EH14, EH15, FNGV18, FW17, FB15, FFJT16, FFV18, GB15a, GP16a, GO15, GLS15, GN16, GEZK16, GGT18, GFW16, HPY18, HW15a, numerical [HO15, HZL$^{+15}$, HM16a, Heu17, HI17b, Hu17, IM17a, Jac17a, JSVD17, JL16, KTN15, KGT15, KLNH17, KCS$^{+17}$, KHC$^{+16}$, KV16, Lap16, LVB$^{+15}$, LE16, LRA17, LS15b, LZ15a, LHY17, LB16, LFT$^{+16}$, LSYF15, LP17b, MOAA15, MS15c, MW16a, MST15, MDMS18, MHZ$^{+15}$, MN16b, MTK15, MTK17, MA16, MW15, MC17, NMM15, NMM17, NPRC15, NLFM16, NN18, NT16, OC18, PP18a, PC16, PS14, PS15a, PGGW18, PT17a, PZF16, RW15a, RMIK15, RLV16, RZ15, SZY16, SPD$^{+17}$, SSL$^{+16}$a, SWML17, SVG18, SAK18, SRBB18, SMD18, SYY15, SL16, SYM15, SPP16b, Sov16, SD16, SPRW15, SK15b, Suz18, Sva15, TM15a, TCL15, UWH17, Vai15, VPM15, VST16, VLP$^{+16}$, WMY18, WBBC16, WCL15, WTL17, XYPT16, XLL$^{+16}$, XLS15, XML17, XY18, Yan16b, YFJ17, YMI17b, YXX$^{+16}$, ZCHS15, ZSP15, ZHS18, BFFB17, Numerically [LDHJ15, Vab15, LZ16], Numerics [KHP15, LLS15], Nunziato [CHS17, DG16a, FRRV16, LDGH16, TT16], NURBS [MH18a, SNSG16], NURBS-based [SNSG16], NURBS-enhanced [MH18a], Nyström [APKP16, CCZ16],

obeying [HK15a]. Object [WW16]. Object-oriented [WW16], objective [FC16], objects [GWB$^{+15}$, LB16], observer [CCM15], obstacle [LW15a], obstacles [BNNM15, BFP18, DM16, HGW18, ZZ17a], Ocean [SS15a, CGSS18, Hig15, Kor17, NWKC16, PP18a, SP16a]. oceanographic [FDS$^{+15}$]. Octree [MC16, HS18a], Octrees [GTG15], ODE [CFG16, CB15], ODEs [BK16b, CNW17, OZ17, TSC17], ODEs/PDEs [OZ17], Off [HK15, HRJ$^{+16}$, RS15a, ZWG17], Off-centered [HKH15], off-lattice [RS15a, ZWG17], offline [ABI17, SFDE15], offline-online [ABI17, SFDE15], offshore [CGSS18], oil [ASB$^{+15}$, WLC15], on-the-fly [EZG16], One [Hue15, PKK18, Ram17, SL16b, TC15c, AR16a, APR$^{+15}$, AS15, An17, BDB$^{+17}$, CHJT17, DZ16, Hiv18, LSTK15, LW17e, MN18a, MB15, MB16, TZS17, Ter18, VSM16a, WRL16a], One-dimensional [Hue15, Ram17, AR16a, APR$^{+15}$, CHJT17, DZ16, Hiv18, LW17e, MN18a, MB15, MB16, TZS17, VSM16a, WRL16a]. one-shot [BDB$^{+17}$], One-step [PKK18], One-way [SL16b, TC15c, Ter18], online [ABI17, CEL15, CEL18, SFDE15], onset [SGN16], opacities [Gen11, Gho17], Open [HKH$^{+16}$, BLS16, Don15a, DZ15c, GTL18, JSY15, LXC$^{+15}$, MBM$^{+15}$, YD18], OpenFOAM [BGV17], opening [OZ17], operation [FBC$^{+16}$, HSF17], operational [BDBEE15, EE16], Operator
Operator-based [Vos17], operator-splitting [KV16], operators [DBZ17, DWGW17, DY17, LN15, LKN17, MN04, MN17, Mat17, MO18, OKE17, Pei16, RÖS16, RÖS17, Ran18, SPB18, SKO18, Sub18, Vab15].

Optical [BCJL17, KLWQ17].

Optimally [DJD+17], optimisation [BCO+15, HKJ17, MKV+17].

Optimization-based [DRP+16].

Optimization-based [DRP+16], Optimized [Bra16c, DZR18, JLC15, KGS17, LTXB17, SZ17, YWHP15].

Optimizing [TLR16, CFO18].

Orbital [SPCH16].

Orbital-free [GS16].

Orbital-updating [PDDG+17], orbitals [DLY17], Order [BD18, DS16, SYV17, TRM16, AHNF15, AD15, APP+16, AD17, AMJ17, AMP16, ABFR16, ATF16, APKP16, And16, ADK+17, ABH18, ABR16, ABG18, ALMJ15, Ata15, BTD16, BD15a, BGS16, BAGK16, BTGM17, BGTM18, BMN15, Bat17, BM16, BR15a, BH18, BHE+17, BND16, BFT17, BST15, BK16b, BDZ15, BDM18, BSM16, Bre18, BPF+16, BTT18, BC16c, BCG+15, BFTVC18, Cac15a, Cac15b, CGQ18, CBS18, CC15, CGMH18, CCK+17, CLY+15, CJC16, CLY16, CH16, CWL+16, CS17a, C17, CKT17, CHJT17, CCL18, CLX15, CLTX15, CST16, CC16c, CR18, CG16, CC17, CLP16b, CCGH17, DS15b, DPO16, DBZ17, DNHB15, DWGW16, DL17, Die15, DLC15, DM17b, Dom18, Don15b, DVP+16, DLL+17, DL18a, DL18b, DPRZ16, DPRZ17, DKK15, EMSS17, Fal15, FS17a, FAZ16, FWK17, FY+15, FB16, FP16, FR16].

Order [FHA16, GP17, hGwSzS15, GZY16, GH17a, GFC18, GPS17a, GS17b, GS16, GGL+17, GBCF15, GBC16, GGT15, GEZK16, L15, GL17, HW15a, pH2Sr15, HB16, HLSQ16, HTZG17, HBR15, HW16a, HU18, Hiv18, HN17a, HN17b, HLQ16, HYY16, HW16b, HC18a, HC18b, Ism15, IDS15, JLQX15, JZSX18, JH17, JFS17, JTD16, JC17, KMD+18, KC17a, KW15a, KRF16, KY+16, KFW17, LMS17, LBTCG16, L17, LN17, LS15, LL+16, LAL18, LPW15, Ler15, Ler16, LX16, LHM16, LMC16, LW17c, Li17, LC17a, LGB16, LZ17b, LS16c, Liu16, LW17d, LTXB17, LSZ18, LTA18, LW18, LKS17, LAK+16, LLLN18, LP17b, LS16, MRM16, MZAF17, MLM18, MNR17, MNG15b, MR16a, MA17, MN15, MN16a, MRN16, MDHC15, MKC17, MW16b, MP17, MDM+15, MP15b, MH18b, MRX17,
MA16, MMPS17, MB15, MM16d, MM18, NMM15, NMC15, NJ15, NN15a.

order [NL17, OLDNS17, OSKd18, OLH17, OWK16, O17, PXL16, PX16, PXRS17, PLHA18, PE16a, PHRA16, PP18b, PE16b, PMB18, PBC+17, RXSG15, RXS16, RSB16, RA17, Roy15, Rua18, RWN18, Say17a, Say17b, Sch16b, SL18, Sha17a, SM16, SWLZ15, SL116, Sh116, STG17, SYV14, SY18b, SFDE15, SLN15, Spec15, SPZ18, SSN15, SGT16, SGT17, Sti16, Sub18, TLQ15, Tao16, TLQ16, THL15, TD18, TSH17, TK12, TK15b, Ter18, Tie16, TMH16, TMH18, TD16b, Tko18, URL16, VPV+17, VN15, VWV17, VSM16a, VSM16b, YAD17, VK16, WW15, WLM15, WXW15, WRL16a, WRL16b, WRPL17, WS18, WSO16, WKO17, WR16, WSR15, WL17, WT15, Wu16, WTX17, XYF+17, XY18, XJL15, XQ17, YC17, YCPD15, YFJ17, YH17, YLA15, ZP16, ZK15, ZL15b, ZC15, ZZ17, Zha17c, ZLFW18, ZZSK15, ZY17].

order [ZXL17, ZQ16b, ZS17, ZQ17, ZWUR16, dLDG+18, dPSS16].

ordering [CCK+17].

orders [PPCK17, VSM16a, VSM16b].

ordinary [CGS18, HBR15, MTK+16].

ordinate [HHY15, JKE+17, OWK16, OKWE17].

ordinates [DMAM15, LFH17, MRRM16]. organic [vdKK16]. orientation [HDF18].

orientation-independent [HDF18]. oriented [AMK17, BD16, TVB+16, WW16]. Orthogonal

orthogonal/dynamically [BCSK17]. Ortigueira [Kat16]. oscillating [KZR15, RXS16]. oscillation [APV+18, PSS17]. oscillation-free [APV+18].

oscillations [Bra16c, HZL+15, MSG18a, SFP+16a]. oscillators [SF16].

oscillatory [CDC17, HWA15, HY16, KCW17, LS15a, LJ16, MW16b, SS18, ZQ17].

OSIRIS [DTA+15]. osmotic [YM17b]. other [CV15, JSF17, WS15b]. outflow [KHIN16, ST18a, YD18]. outflow/open [YD18]. outlook [MSV+16]. Output [Fid17, NP16, ZKS+15]. Output-based [Fid17].

outputs [VCNP15]. over-penalized [SZ15b]. Over-Relaxation [AC16].

Overcoming [NMM17]. Overestimated [NF17]. overhang [ADE+17].

overlap [SF16]. overlapped [Sha17b]. overlapping [ABH18, AB15, DPO16, HR17, MPFL16, XL16]. oversampling [SDW16].

overset [AB17, BS16, HK16a, KLNH17, SPB18, Vre17, ZA15b, dLDG+18].

overset-curvilinear [AB17].


[AMB17, LS16a, WX17, TP16a]. Pairwise-interaction [AMB17].

Palindromic [CSS17, HLTC18]. palm [ASB+15]. panel [FS16].

panel-clustering [FS16]. panels [CPS17]. parabolic

[BSK15, EDvW17, GY15, LZ16, LMMS16, MBST17, OZ17, PE16b, SCS18].

paradigm [Cac15b, PD16a]. Parallel
Parallelism [Sla16].

Parallelized [KBK15a, GKRB17, OVP15].

Parameter [BK16b, CMH15, CMW16, HXB15, ISP’15, LYLK17, LVL18, MG15b, MNG15b, SD17, ST15].

Parameter-free [CMH15, MG15b, MNG15b].

Parameterization [RG15, VD16]. parameters

Parametric [Gri15, Shi17, ATF16, BJWZ17, BH16b, CS16b, HFND18, TMWF18, TT17a].

Parametric/stochastic [HGND18].

Parareal [WZ18b, Wu16, WZ17, XHC15].

Parasitic [MC17].

Paraxial [KLWQ17, SwS16].

Parity [MJ17, WKOE17].

Part [BGTM18, BN17, SLH18, SGD18, SHP’16, TC15a, TKC15, BD15b, BTGM17, BHST17a, BHST17b, CK16a, DLN15, FNGV18, GPS17a, GPS17b, LB15, MBJ16, MBN16, Say17a, Say17b, VSM16a, VSM16b].

Partial [AD17, ADH’16, AEAM15, BZ15, BT15, CGS18, CZ16, DLL’17, FBL17, Fa16, GXX17, HO15, JX15, JX17, KNS15, KR17, KS16c, LL16c, MS16a, MTBT18, Pes15, RK18, RPM18, SR16, Sub15, TST17, TO15, VCNGP15, VBG’17b, XY18, YHKPF17].

Particle [AB15, CoDL18, CLMZ17, FRO17, Gam15, KRK’18, MDL16, PWC18, TP16a, WZ18a, YDCK16, AMB17, AWS16, AF18, AP16, Ama18, BHdD18, BLK15, BBKS18, BKKJ17, BLC’17, Bra16a, Cac15b, Cap18, CGS15, CCL16, CLM15, Cos16, Cot18, CMR’16, DD15, DTA’15, DPK17, DCK15, Eva18, GB15a, GMP16, GFA’16, GG15, GBD’15, GAJ15, HW’16, HSLQ15, HSLQ16, HM17, HM16b, ID17, Iwa15, JLC15, JST17, KS17, KE18, KF17, KK16, LKB15, Lap17, LN17, LPWK15, LS15b, LS16a, LLY15, LBTK18, LS16c, LSR16, LY17, MLM18, MR15, MCW16, MC16, MZH’15, MS17, MFG15, NOM’17, NT15, PLL’15a, PKP’17, PR16c, PMF15, PWP15, RBJS15, SWC18, Scl15, SP16a, SMAG17, SE15, Sto17, SPCH16, SGP17b, TYD16, dCPDC’17, TOR’15, TSFS17, TPB’16, TL17, WSN’15, WCC16, YXD’16, ZB15, ZHA17b].

Particle [ZZPH18b, ZZPH18a, ZZKF15, ZPE’16, ZRE16, AG18, DDD17, FHA17a, MNO’17, MSD’17, WSJY16].

Particle-based [ZPE’16].

Particle-in-Cell [CLMZ17, BLC’17, Bra16a, GFA’16, HW’16, MZH’15, PMF15, SPCH16, dCPDC’17, WCC16, YXD’16, DDD17, MNO’17, MSD’17, AG18].

Particle-in-Cloud [WSJY16].

Particle-Laden [AMB17].

Particle-Mesh [PWC18, MLM18, MCW16, RBJS15].

Particle-Particle [LY17].

Particle-Resolved [CMR’16].

Particles [CLM15, DM17a, DSH’16, JrD’18, KK17b, LHW’17, NLFM16, RFGSV15, SKF15, SGC’17, Tao16, TP16b, TKF17, WSP17, YC15, Yam16a, aKT16].
particles-fluid [WSP17]. particulate
[KLNH17, KSI17, LZ17, MZ15, WSP17, Zoh17]. partition
[BHK16, BMPS18]. Partitioned [CLW18, LPB17, WED15, BHST17a, BHST17b, BCM15b, DDV18, LLEK17, LHB+16, MBHS17, Sla16]. partitioning [FLHA17, LK17, NSB15]. parts
[CHD+18, DBZ17, FN17, GWK16, LMN18, MN04, MN17, NN17, NR17, NG17, NG18, PS15b, RO16, RO17, Ran18, RWN18, RN18, SP18, LKN17]. Pascal [LY16a]. passage [PTMF18]. Passing [CDX+18]. passive
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Positivity-preserving [MKC17, Par18, VSM16a, VSM16b, CLTX15, CFST16, SPZ18, WMYG16, Zha17c, ZSW17].
possible [Ant17].
posterior [CMW16].
AGRB18, BD17, CNOS15, DS16, DL16, JW15a, KH17, SL18.
posteriori-driven [DS16].
posterior [BBW16, CDM+16, KH17].
post-processing [BBW16, CDM+16], posterior [CMW16], posteriori
[AGRB18, BD17, CNOS15, DS16, DL16, JW15a, KH17, SL18].

potentials [VT718, CCK18, DOO17, EMZ16, FS15, MTD15, RBGV15, ST18b, SCS18, TST+15, YZW+18].
powder [Zoh17].
powers [Vab15].
PPML [KV16].

Prabhakar [MG15a].
Practical [LLL16].
Prager [LEB+17], pre [PPL16], pre-conditioned [PPL16].
Preconditioned [FSW17, HP17, LTR17, Pea15, ZJL16, ALT17, HYL17, JW15c, SYM15, VYP15, YSY17, YG18].
preconditioner [AAE17, CLZ18, DFGQ16, DDV+15, EG16, Kas15, KC17c, LY16d, SLR+16, TCD17].
postconditioners [BVM16, DM17b, DMSC16, KCW17, MHHX16, MDDM17, PP18b].
preconditioning [HB15b, JTD16, PKJ+18, RM16, XLY15, YM17c].

potential [HC17, DJV+18, BHGK18, Eva18, FJ16a, IPSG15, NP16, PVPK17, TMWF18].
predict [DCA+16, YL16].
predicting [AEAM15, CSG17, KL18].
Prediction

Prediction [CI17, DJV+18, BHGK18, Eva18, FJ16a, IPSG15, NP16, PVPK17, TMWF18].
predictions [ALM+17, ID17, KBF17].
Predictive

prescribed [CRMP16, EJZ17].

Pressure

Pressing [DXV18, AEL+17, CLNH15, DWG16, DS15c, HTFL18, Hig15, HHA16, KTN15, KHHN16, LW18, MS15b, MCN18, NF17, STHW17, SS17c, Si16, TD17, XDVW17, XDSX17, ZCHS15, ZZ17b].
Pressure-based

pressure-density-based [XDSX17].
pressure-dependent [MCN18]. pressures [TK12, TK15b]. pressurized
[CLB+16]. Preventing [HZL+15]. Primal
[RB15, AAE17, AGRB18, TC15b]. primal-dual [TC15b]. Primal-mixed
[RB15]. primitive [Niu16]. principle
[ADK+17, CHY16, CLTX15, RMC15, SWPS17, WYZZ18]. principles
[AZK16, FPDT17, FPV18, MN16c]. prior [KKL15, dFGS+17]. priori
[FAZ16, KF15]. priors [TLML15]. prism [CLFL17]. probabilistic [MCS16].
probability
[BVM+17a, BC16b, CVK16, DH18, GHL15, PKW17, RC18, SG16]. probing
[PKN17]. problem
[AJP15, ABN15, ADP+17, BD15b, BN17, BHST17a, BXY17, Bat17, BtTBI18,
BDKK17, BD16, BKL17, Cac15b, CML15, CC15, CGM15, DGH17,
DvW18, FPV18, GP17, GP16b, GY17, GY18, Iki15, JLPL15, JTD16,
LDOK17, LW15a, LMC16, LYPP17, LZW+17, MST15, NKN+17, RMA17,
RZ18, TMT17, TM15b, VW18, WZ15, WL18, Xia15, ZF18, CTM+16, RZ15].
Problems
[GIF18, LBTCG16, APP+16, AB16b, AT16, ACJ17, AR16b, AW17,
BC17, BSK15, BK17a, BBD16, BWW17, BOA17, BDB18,
BQCG17, BV17, BGL+17, BFT17, BC17, BC15b, BKR15,
CP16, CD17, CXX16, CH17, CWW17, COV18, CR18, CGM15, CM16b,
CM16d, DE18, DPW+15, DCC16, DL17, Die15, DAO17, DLS15, DZ16,
ETL17, EZG16, EE16, FPDT17, FK17, FG18, FL16, GS15c, GWC18,
GF1, GWE+15, GLT15, GHH+16, HLL+16, HU18, HHC15, HN17b,
HM18, HLTC18, HDF18, IPS15, IC17, JHP17, JL18, JF17, KS15a,
KW15b, KADE15, KKL17, KE15, KC17, KR17, KF17, K16, LSL16,
LP18, LW17a, LZ16, LW17c, LGB16, LMMS16, LY16a, LH17, Lot18,
LMT15, MZ17, MNR17, MM15, MMMS15, MM16c, MT17, MDB15,
MSP16, MW15, MWY16, NN15a, NL18a, NGS16, NL18b]. problems
[NSL16, NN15b, PKL16, PKL17, PH18, PLC18, Par15, Pea15, Pes15,
POS16, PTT18, PB15, PB17, PK18, PH18, RZ18, R18, R18,
RRD16, RBG15, SY17, STEK17, SSC+16, SP18, SL16, SML15, SD16,
SP15b, SPM16, ECS18, Tow18, WWR17, WED15, W17, X15, YK15,
ZP16, ZL15, Zha16, ZLL16a, ZG16, ZS17, ZG18, ZO15, ZZT+16,
ZH18, dFJH16]. procedure
[BBKS16, EH14, EH15, ED16, GB15a, JLC15,
JJ18a, KKL15, LFT+16, MK15, PK16, ROS16, SW15, XS15, dFV15].
procedures
[HH17, OS16]. process
[CLFL17, DG16b, IM17a, JdR+18,
PVPK17, PS17, WLL16, WYA+17a, ZKS+15]. process-based
[PS17]. processes
[ADH+16, AJ17, Beg15, CBB15, CM16, LP16a, Luc15, M15, RPK17b,
RKG17, SSL17, TKG16, YSW16, ZQCT15, Zoh17]. Processing
[GP18, BB16, CD16]. processors
[AB16]. produce
[WD17]. product
[CLZ18, DM17b, PP18b]. production
[Bla16]. products
[CC17b, CS15]. profile
[ZS15]. profiles
[WG16a]. Progress
[TM17]. projected
[VYP15]. Projection
[dFJN16, BTD16, BVG+16, BP16,
BFTVC18, CBA17, CM16a, CMI18, CN16, FK17, FSB16, GMP15,
GTG15, HTBG15, LTB16a, PKLC16, PKLC17, PLC18, RSB15, TG17, UL16, WE15, WYA+17a, WYA+17b, CGK17. projection-based [BT16].
projective [LMS17]. prolate [HXB15, LC18]. promising [ASB+15]. proof [EBQ15]. propagation [CGMH18, CZB15, Chu17, CLQ17, DSS18, FKR16, GFC+15, Hiv18, HL16b, IPSG15, Kim15, KLRT15, LTB16b, LMM17, MP15a, MSS16, Mue18, MSH+15, MH17, PS15b, POSB16, RA17, RSH+17, SCN+17, STEK17, SS17b, TLB+18, TGB16, WLE17, ZLL17a, ZZW+16, ZWUR16].
projection-based [LMS17].
projective [LMS17].
prolate [HXB15, LC18].
properties [ASB+15].
proof [EBQ15].
propagation [CGMH18, CZB15, Chu17, CLQ17, DSS18, FKR16, GFC+15, Hiv18, HL16b, IPSG15, Kim15, KLRT15, LTB16b, LMM17, MP15a, MSS16, Mue18, MSH+15, MH17, PS15b, POSB16, RA17, RSH+17, SCN+17, STEK17, SS17b, TLB+18, TGB16, WLE17, ZLL17a, ZZW+16, ZWUR16].
propelled [SCQP16].
proper [TSST16, DA17, KPKG15].
properties [LP17b, AF18, CCRdL17, CHZ16, GO15, GDFL17, Ism15, KGS17, LPG18, LJT16, MT17, NR17, PWP15, VV16, VLTPS16].
properties-preserving [LP17b].
property [FHA17b, GWK16, SZ15b].
proposal [KGS17].
propulsion [Moo17].
protein [XR17].
prototype [SSC+16].
pseudo [BCSK17, GWWC17, HLU15, KW15b, RA17, RSH+17, SCN+17, STEK17, SS17b, TLB+18, TGB16, WLE17, ZLL17a, ZZW+16, ZWUR16].
pseudo-compressible [WS15a].
pseudo-convergence [KW15b].
pseudo-inverse [BCSK17].
pseudo-potential [HLU15].
pseudo-spectral [GWWC17, KADE17, RN18, dHC16].
pseudospectral [NGY+17, HXB15, MH17].
pseudospectral/discontinuous [MH17]. pulse [DHC16].
pulses [TSN16].
purely [Cap18, YJ17].
Purkinje [PVFN15, VLP+16]. purpose [AVT17].
pursued [TK16].
pyramid [WH17].
pyramidal [JG15].
QTT [BDKK17].
Quad [GTG15].
Quad/Octrees [GTG15].
quadric [HLTC18, TD16b, WT16, XX17].
quadration [YZW17].
Quadrature [PMF+18, Tsa15, ZGJ16, CS17a, EE16, FLV18, GN16, Nis15, NL17, RF18, SS17a, ST18b, Spe15, SGP17b, XX17, ZSP15, aKT16, RKO17a].
quadratures [AS16, Tsa16, ZNX15].
quadrilateral [LIW18, Rag15].
quadtree [MGB+18, Pop15].
quadtree-adaptive [Pop15].
quadtrees [Bat17].
quality [FAZ16, KF15, WQZ15].
Quantification [KBK15b, AKZ16, AÄPB17, CC17a, CE18, CQ15, GS18, HAPK15, KRWB17, KCS+17, LS15c, LLL16, MBN16, MS16b, MSS16, MCS16, RS17, WL16, ZZ18, vdBK17].
quantify [CEL15].
Quantifying [AZK16, BHJ15, XWW+16, GKRB17, LSS16].
quantitative [KBF17, OTS17].
quantities [Loh17, STR15].
quantity [CCHL15].
quantized [CVG18].
quantum [CLY+15, GP18, LM15d, MFB18, PUA+15, PD16b, Sel15, SDF17, TST+15, WH16b, Yan17].
quantum-accurate [TST+15].
quantum-mechanical [PD16b].
quasi [AMA15, AMA18, BC16c, DDD17, ETAG15, FCL17, KKS15, KKS16, KCS+17, MA16, Noe15, NF17, OMLdL16, RSB15, TZZS17, YXD+16, ZD15a].
quasi-DNS [KCS+17].
quasi-Lagrangian [OMLD15].
quasi-minimal [ZD15a].
quasi-neutral [AMA15, AMA18, DDD17, KKS15, KKS16].
quasi-optimal [ETAG15].
quasi-spectral [MA16].
quasi-static [FCL17, RSB15].
quasi-unconditionally [BC16c].
quasilinear [WTX17].
quenching [CSY15].
quintic [ZYW16].
Rachford [Sw16]. radar [CW16, CW17, Dod17]. Radial
relativistic [BAGK16, BK16a, CKT17, ION+17, KFF+17, QSY16, Sel15, Teu16, WT15, ZT17]. Relaxation
[ACCCDA16, ACCCD+17, AIP17, APT17, CDN17, FBL17, GSN17, HHM17, LMS17, LMSK17, MG15a, NGS16, Xie15, ZL15c, AC16], relaxed
[EN17, YM17a]. relaxed-Jacobi [YM17a]. reliability [KM17]. remap
[BMC+18, DDJ18, Bra16b]. remapping [CZJ17, SO15]. remeshed
[HKLW15, RHvR+15]. Remeshing [BKKJ17, PA15]. Removal
[KW15b, CMR+16]. removing [AR16b]. renormalised [BDB18]. replica
[BLS15]. Reply [EH15]. represent [MVKD15]. remap [BMC+18, DDJ18, Bra16b]. remapping [CZJ17, SO15]. remeshed
[HKLW15, RHvR+15]. Rescaling [Bon17]. RESCU [MRZG16]. Research
[TM17, AK17]. reservoir [AVT17, QWXZ17, vdLJLV16]. reservoirs
[ABG+15, DGW18, TH18]. Residual
[CEL15, AD15, BC16a, CC16c, CLGA17, CLNH15, GMLD18, IC17, KSSL18, LW17a, LS16, MN15, OKWE17, PHRA16, Ric15, ZD15a, ZM16b]. residual-based [KSSL18]. residual-distribution [MN15]. Residual-driven [CEL15]. resilient [LKK17a, LKK17b]. resistive
[DNOP15]. Resolution
[MMW15, AWS16, ANL+16, BTGM17, BTGM18, BP18, BLK15, FHA17b, i15, i17, KQB18, KH17, KK17b, LKK17a, LW17b, LZZS15, NUNYM15, OMYvdP+15, PE16a, RHvR+15, SSM+17, SZS15, TCB18, WIW+18]. Resolved
[SP16b, CMR+16, Kim15, KCS+17, KBG+15, KSI17, MSP15, MPPS17, SMOM+17, Vre17, WSP17, ZLY15]. Resolved-particle [SP16b]. resolving [BVM17b, BCG+15, MPPS17, SKG17, PEVG18]. Resonance
[CLL17]. resonant [DS15d]. respect [TVB+16]. response
[BLS16, GTL18, GS18, LWLC17, MN18b, ST16]. restrained [TR17]. Restricted
[WSOW16]. reversibility [GKR17]. reversible [BL18, PD15]. review
[Che18, GFO18, MGK17, ZJLC15]. revised [FDS+15]. Revisiting
[AA16, LM15b, LDKO17, VPV+17]. Reynolds [BBKS16, DCP15, Eva18, LBZ+17, LHMB18, NL18a, WSY15, WGM17, XWW+16, ZV16]. Reynolds-averaged [LBZ+17, LHMB18, XWW+16]. RG [SFT16]. Rheology
[FNGDMNR18, SHP+16]. rheology-IBM [SHP+16]. ribbed
[MF16b]. Richardson [ACCCD+17, ABFR16, HK18]. Riemann
[CTM+16, RZ15, Ama15, BD15a, BD15b, Bal15, BAGK16, BK16a, BVG+16, BTGM17, BN17, BK17b, BGTM18, DB16b, FFW17, GP16b, Guo15, GFW16, JSSX18, KW15b, LSTK15, LDGH16, LZW+17, MS15b, MBD15, Ni16, SW17a, SYY16, TM15b, VNA15, ZHA17a]. Riesz
[AHK17, DCL15, MD17, YYN+17]. right [Mac15]. rigid
[BHST17a, BHST17b, CGRV17, DSH+16, DCA+16, IML15, LT16a,

saddle [JL18]. Sadegh [HSK+15]. Salpeter [BDKK17]. SAMBA [ABM16]. sample [LB17]. samples [GRL15]. Sampling [PDS15, PT17b, CW17, CCL16, Cot16, FJL18, Gen15, GHH+16, HD15, KBK15b, LL15, SX16, SG16, WBC+16, YY16, RC18]. SAR [SGP17a]. satisfy [FS15]. Satisfying [SYV17, CHY16, CHS17, LW17e, SWPS17, SYV14]. saturated [HSK+15, LL18, SSL17, Zad11]. SAV [SXY18]. save [TP17]. Saving [FJLC18]. SBP [Mat17, MO18]. SBT [GRS15]. scalability [ECD16]. Scalable [CWF16, CMW16, IPSG15, KRBW17, ANL+16, CS16a, EMM18, KC17a, KDPK15, MCN18, TCS15, TLLF15, WLC15, YS17]. Scalar [IC17, MD16, SKC17, HAH16, HS18b, LBZA16, OMYY+15, PN17, RBG15, SMD18, SXY18, SWZ17]. Scale [HHAI15, ABI17, AG18, BB17, BB15, Cac15a, Cac15b, CGSS18, CPT16, CC17, CMW16, DLLV17, DKPC15, DNOP15, DPW+15, EZG16, GHH15, HHL17, HKS+16, IPSG15, KJ17a, KLR15, KS16c, KDPK15, KSS18, LLM17, LMC16, LXL17, LWL18, LY16a, LHA16b, MAH16, OCSC18, PD17, SKP+15, SSL+16a, SAH17, SDJU15, SRBB18, SD16, SX16, SSM+15, SSA17, VKE+18, WMY16, WSN+18, WB17, XB18, ZKS+15, ZQCT15, ZPE+16, dICGC17, PEVG18]. scale-bridging [DPW+15]. Scale-Resolving [PEVG18]. Scaled [GBS15]. scales [Hig15, MMW15, SDJU15]. scaling [JLQX15, LL16a, LY15c, LY17, LT17b, NN18, XWR18]. scalings
scattered [BFP18, CGM18]. scattering [JR17, CCZ16, DKTH15, HJAT17]. scattered [AJP15, AN15, APKP16, BABD16, BXY17, BN15, BKL17, CDL17, CHE17, DCC16, DvB17, DDV15, FM15, GMP16, GHJ15, GHH16, Hig17, HN17a, KE15, LKB15, LGO17, LW15a, LB16, LBB17, Par15, PLL15b, SLVE18, UWH17, XB18, ZFZ15, ZZ17a]. SCDM [DLY17]. SCDM-k [DLY17]. Scheduled [ACCCDA16, ACCCDA17]. scheme [AIP17, AdRBC16, Ali15, AS15, APKP16, ADH16, AA15, ATC17, AHKT17, BH16, BAGK16, BK16a, BEJ15, BK17c, BT16, BSWG15, BHK18, Bon17, BDL18, Bra16b, BCM15b, Buk16, BRK17, BMC18, CGK17, CX15, CXL16, CTG16, CHJT17, CC16c, CB18b, CV16b, CHS17, CCM17, CDV17, Cui15, DGW18, DDJ17, DDS18, DLN15, DS15c, DMTB15, EMSS17, FDS15, FLT17, FSB16, GOR17, GHR17, GBM16, GGL17, GHL15, GHL16, GX15, HW15a, Hi18, HW15b, HWA15, HAH16, HCh18a, HC18b, HTBG15, Ism15, IDSG15, Jac17a, JME18, JW15c, JS17, JC17, JJ18b, KGS17, KHC16, KV16, LLP16, Ler16, LL16b, LHMB16, LT17a, LLWJ18, LFX18, LSTkM15, LMKS15, Liu16, LSIC16, LTW18, LM15d, LHQ16, LI15, MLI17, MNG15a, MRRRF18, MN15, MDBCF17, MTJ17, MSB16, MBM15, NMI15, NF17, NT16, OSKN18, PX15, PXLL16, PX16, PL16b]. scheme [PGM17, PBBK15, PKK18, PS17, PA15, PME15, RDG17, RSSSE18, SNSG16, STK16, SKF15, SS16b, Sha17a, SFT16, SWPS17, SY16, SLL17, SWK18, SWHK15, SPZ18, SD16, Sto16, SS17c, SJX15, SJXL15, SJX17, Tav16, TK12, TK15b, TM15a, TC15b, TKP16, VST16, WR15, WH15, WDS15, WY16, WH16a, WHY17, WYHX17, WLYW18, WL17, WZ17, WRL18, XCY17, Xie15, XQ17, YSWS16, YWS16, YFJ17, YLA15, YWH15, YY15, ZG17, ZGW17, ZZ16, ZQ16b, ZQ17, ZGW17, dSPDH15, dBM16, vEKd16, FRO17]. Schemes [ZQ16a, AHNF15, AMH18, AD15, AD17, An17, ABH18, ABR16, ALMJ15, BD15a, BGS16, BTGM17, BK17b, BGTM18, BR15a, BR15b, BR16, BH18, BLMY17, BLD15, BDZ15, BD17, Bra16c, Bre17, BTVC16, CV17, CCRd17, CBS18, CB15, CC17b, CJY15, CS16c, CKT17, CLS18, CCZ15, CYS17, CCK18, CLTX15, CTM16, CK16b, CwY16, CS15a, DPO16, DL15, DL18a, DJQ18, DPRZ16, DPRZ17, EJZ17, Fan16, FNGV18, FLV15, FG17, FLW16, FHA16, FHA17b, GSS15a, hGw7s15, GS15a, GM1D18, GKW16, GCVMK15, GR15, GSK18, GBCF15, GBCF16, GGT15, GA14, GGT18, HK18, HSLQ16, JZCX15, JZSX18, KM17, KW15a, KW15b, KGS17, KGT15, KFL17, KYW16, KYW19, Kri17, LN17, Ler16, LZZS15, LJ16, LW17d, LCF16, LM18, MC16W, MN16a, MCK17, MDMS18, MDMP15, MCQS16, NMM15, NMM16, NMM17]. schemes [NMC15, NLFM16, NL18a, NR17, NG17, NG18, OS15a, OZ17, OV17, PxRS17, Par18, PS16, PBC17, RS15a, Rod17, RRD16, RSH17, Sch16b, SAFF17, SMS16, SY15, SWL15, STG17, SY18b, SS15, Sto17, SGL17, Stu17, SIX16, Sv15, TLQ15, TLQ16, TLT15, TQ18, Tso18, Vab18, WV16, VN15, VV16, VSM16a, VSM16b, WW15, WRL16a, WCL15, WT15,
GXX17, MM16a, WCN15, BFNGDNR18, Cai16, CM16b, DJLQ18, GS15b, HPY18, Lap17, LXC+15, PME+15, RAMB15, SXBB15, TD17, XXR18].

semi-infinite [GBD17, ZBZ+18]. Semi-Lagrangian [Cot18, BDM17, CQQ16, CGQ18, DLR15, DAO17, HAH16, KYPK15, OD17, PBBK15, PKK15, SW18, SFT16]. Semi-spectral [FSM16]. semiclassical [HHY15].

Semi-Lagrangian [Cot18, BDM17, CQQ16, CGQ18, DLR15, DAO17, HAH16, KYPK15, OD17, PBBK15, PKK18, SW18, SFT16]. Sensor [ABdC+18, NHM17, Fon16]. Separable [BBB15, FW17, RBD17].

several [GBR15, Shu16]. severe [GZM+17]. SFO [MAP17]. SGS [LL16b, MNG15b]. Shadowing [NW17, Blo17, BW18, CNW17]. Shafranov [PKF16, RCRF16].

Shear [BD17, Wall16, BFI+16, BCO+15, Bar18, BMPS15, HKJ17, KPKG15, Loz17, SKF16, TBLM15, ZHW18]. shaped [GN16, TSN16, TP16b]. shapes [WHL17]. Shapiro [Fal15, Fal17, GDFL17]. sharp [ACS16, FMRZ17, HHA15, HG17, HK16b, LHA15b, SHA16, SP15b, Ts15, ZD15b].

sharp-interface [SHA16]. Sharpening [CNS17, HTZG17, MNG15a].

sharpness [LWY17]. shear [BVMW16, CB18a, G1F18]. sheared [LVB+15].

shock- [WL17]. shock-capturing [KYW+16, KYW+18, OSKN18, PSS17]. shock-fitted [RA17]. shock-fitting [ZXD17]. shock-turbulence [BPM18]. shocked [CDJ+17, PME+15, WTS+17]. shocks [WS15b, XLL+17, dFVJ15]. shockwave [NMM17]. shooting [BW18, Die15]. Short [Teu15, HS17b, XYPT16, YY16, ZW15]. shot [BDB+17]. shrinkage [KKL15, WYA+17b]. Shu [YY16]. side [FNGDMNR18]. sided [SYM17]. sign [DCCC16]. sign-changing [DCCC16]. signaling [CFG16]. signals [CWL+16]. signed [Sel15]. similar [BD15b, BVG+16, BN17]. similarity [NN18]. Simple [KH17, ATC17, DL16, HK15b, HC18b, KBK15b, Niu16, OS15a, OSKN18, RS15b, VNA15, ZL15b]. Simplex [EDC16, KHTZA16]. Simplex-in-cell [KHTZA16]. Simplex-stochastic [EDC16]. simplicial [MMSS15]. simplicial [MHS16, PR17a, SC16]. Simplification [ZXL17]. simplified [HE15, MF17, CNW17]. simply [LDL+16]. simulate [CG15, DA17, RFGSV15, ZWUR16]. simulated [YDCK16, ZD17]. Simulating [KS18, LP16a, AJVH17, Cap18, CL17, CGS15, DbvB17, Don15b, ELH+16, GLS15, HXLL15, MAK15, Moo17, NRZS17, OT15, OD17, PZNG15, PGCG18, QSB18, RL18, SHKL16, SMA+16, SDH+16, TK12, TK15b, TND18, TKP16, WMY16, dTP16]. Simulation [CS17b, FBMM16, GFA+16, GBS15, LSD+17, LM15c, Mac16, MM18, OMYvdP+15, SB18, STW16, SDM+17, SSX16, TM17, dLAC17, AVT17, AAB+16, Ama18, BBKS16, BBMN18, BS15a, BR15a, BGJ+15, Bra16a, BJ16, CGSS18, CRW16, CB15, CL16, CTJ+17, CPSF17, CH17, CD17, CLB+16, CSM16, CLG17, CB18b, CEL15, CMR+16, CLNH15, DLL17, DD17a, DKPC15, DPW+15, DL17, DH18, DMS17, DHCL6, DEZ16, EGS17, ESA16, EKSS15, FDK17, FG17, Fon16, FFJ16, FRW16, FKY15, GB15b, GB15a, GWB+15, GZY16, GDFL17, GRS15, GH17b, GBU15, GFW16, HYY+16, HIN+16, HNI17b, HLML17, HY17, IM17a, KM17, KBK15b, KLNH17, KLRT15, KK17b, KHC+16, KJ17b, KYPK15, LYCC17, LRA17, LPW15, LZ15a, LMY17, LXL17, LLY18, LT16b, LD15, LPBR15, LAA16, LSY15, LW17, LEB+17, MWD16, MNG15a, MPT16]. simulation [MG15b, MNO+17, MS15c, MW16a, MN16b, MN18b, MRK15, MJT17, MZ15, MM16d, NOM17, NYNYM15, PC16, PGG18, QWXZ17, RS16b, RWG18, RW15a, RBGV15, SNS16, SKF16, SD15, SDJJ15, SAK18, SSC+16, STKH15, SP16b, SCS16, SHW17, SF16, Str17, SP16c, SST+15, TCA16, TK16, TC15d, VV16, VBG+17a, Vre17, WDS15, WSP17, WSOW16, WCCB16, WHT18, XYPT16, XDV17, XZZ15, XL17b, XR17, YBC15, YSW15, YSW16, YFJ17, Yaa17, YCS+17, ZFPPB16, ZLY15, ZB15, ZDGW16, ZW16, ZZZ17, ZHLZ18, ZQCT15, dJRP+15, diCGCA17, vDL1V16, CWS18, FNP17, LLM17, TABR17]. Simulations [CBS18, Gan15, AWS16, ALM15, AT18, AG18, BT17a, BCD+15, BFI+16, BL18, BBB+16, BCB15, BI16, BPS16, BPS17, BBW16, BLK15, BVM17b, BL17, BPM18, CGQ18, CCBdL15, CCdL15, CDM18, CKT17, CGJ16, CC16c, CSK+16, CSB15, Cos16, CvKH16, DMAM15, Dav10, Dav15, DM16, DG16c, DB16a, Don15a, DCK15, DBMB15, DD16b, EFHZ17, ED16, Fan16,
solidification [BGJ+15, OTS17, RKRGW17, RTO15, TYD16]. solids [AAI16, BHK516, DLY17, DPRZ16, DD16b, Heu17, QSB18]. solitary [ALTR17, CE17, Chu17, DLK17, DBMB15, LZ16, LYP17, MD18, MR17, PMF+18, RYZ18, SLZ+17, YWH15]. solve [ALTR17, CE17, Chu17, DLK17, DBMB15, LZ16, LYP17, MD18, MR17, PMF+18, RYZ18, SLZ+17, YWH15]. solvable [HW15a]. solvers [BK16a]. solving [GMP15, GMS16, GLTG15, KR17, MB15, AR16a, ADH+16, ADP+17, BM15, BZ15, DLNR18, EE16, GSN16, GP17, GBM16, HW16a, HHCG15, HSC16, HHY15, IK15, KKL517, KDL5, LMS17, LM18, LW15b, LC16, LK16a, LIW18, Lot18, LZW+17, LSI16, MW16b, MW17a, Moh15, MLMM17, MBM+15, Noe15, OLV16, PXR17, PKJ+18, PR18, PBBK15, SWL515, SWK18, SS16c, SHW18, SGT16, SGT17, TSH17, TP17, TBO+16, Vab15, WR15, WXW15, WA18, WCCB16, WHT18, XJ16, YSW15, ZHA17a, ZG18, ZBZ+18]. Solver [ABG18, APV+18, AGBL15, Ama15, AAD16, AB16b, AdS+15, ABT16, AC17, ANL+16, Bal15, BAGK16, BK16a, BVG+16, BN17, BDK+17, BP18, BWR15, CBB16, CBC+18, CM16a, CGP16, CTM+16, CRZ17, CM18b, CLP16b, CCGH17, DWGW16, DY16, DS15d, DL18a, DB16b, EJMI18, FGLW18, Fer17, GWC18, Guo15, GFW16, HY16, HS17, JZSX18, KC17c, KFKW17, LTB16a, LKB15, LZ17a, ILL16, LSTK15, LDG16, MS15b, MH18a, MHL17, MM17, NN16, N15b, OC18, OVP15, PKF16, PR16a, PCBG18, Pop15, RCRF16, SKP+15, SHL15, SP16a, SY16, STW16, SYM15, SGD18, SC16, Sti16, SL16b, SST+15, SK15b, TCS16a, TWH15, Ter18, VLP+16, VKE+18, VNA15, WY17, WSY15, WSHT15, WSY16, WS15a, WCCB16, WHT18, XJ16, YSW15, ZHA17a, ZG18, ZBZ+18].
XL16, YHKPF17, YJB18, YM17c, ZDK16, ZD15a, Zha16, ZQ16a, ZQ16b].

SOMAR [SS15a]. Some [FLW16, hGwSzS15, FSWW17, GFO18, KD17b, Pas16]. sonar [EFHZ17].

source [ASB^+15, BCB15, BT16, DH18, DMTB15, EG17, GKN17a, HS18b, NNM16, NLK^+15, NL17, RZ18, SY17, Tow18]. sources [POSB16].

some [ASB^+15, BCB15, BT16, DH18, DMTB15, EG17, GKN17a, HS18b, NNM16, NLK^+15, NL17, RZ18, SY17, Tow18]. sources [POSB16].

some [FS16, GFO18, KD17b, Pas16]. sonic [EFHZ17].

source [ASB^+15, BCB15, BT16, DH18, DMTB15, EG17, GKN17a, HS18b, NNM16, NLK^+15, NL17, RZ18, SY17, Tow18]. sources [POSB16].

source [ASB^+15, BCB15, BT16, DH18, DMTB15, EG17, GKN17a, HS18b, NNM16, NLK^+15, NL17, RZ18, SY17, Tow18]. sources [POSB16].

source [ASB^+15, BCB15, BT16, DH18, DMTB15, EG17, GKN17a, HS18b, NNM16, NLK^+15, NL17, RZ18, SY17, Tow18]. sources [POSB16].

source [ASB^+15, BCB15, BT16, DH18, DMTB15, EG17, GKN17a, HS18b, NNM16, NLK^+15, NL17, RZ18, SY17, Tow18]. sources [POSB16].

source [ASB^+15, BCB15, BT16, DH18, DMTB15, EG17, GKN17a, HS18b, NNM16, NLK^+15, NL17, RZ18, SY17, Tow18]. sources [POSB16].

source [ASB^+15, BCB15, BT16, DH18, DMTB15, EG17, GKN17a, HS18b, NNM16, NLK^+15, NL17, RZ18, SY17, Tow18]. sources [POSB16].

source [ASB^+15, BCB15, BT16, DH18, DMTB15, EG17, GKN17a, HS18b, NNM16, NLK^+15, NL17, RZ18, SY17, Tow18]. sources [POSB16].

source [ASB^+15, BCB15, BT16, DH18, DMTB15, EG17, GKN17a, HS18b, NNM16, NLK^+15, NL17, RZ18, SY17, Tow18]. sources [POSB16].

source [ASB^+15, BCB15, BT16, DH18, DMTB15, EG17, GKN17a, HS18b, NNM16, NLK^+15, NL17, RZ18, SY17, Tow18]. sources [POSB16].

space [PCF15, SWHV16, AS15, AP16, ATZ16, AHKT17, BCST17, BJ15, BHE^+17, BTWY15, CLZ18, CV16a, CGG18, DM17b, EHM15, Fid17, HKK16, HLM17, JW15b, JW16, JX15, JX17, KL15, KLRT15, LS16b, LNY17, ILNS17, LCF16, MD17, MN18a, MRZG16, MDDM17, PD16b, SWZ15, SWLZ15, SW16, SWPS17, SX15, TX16, TD16a, TD17, TD18, VGF16, YYN^+17, ZJJ16, ZBTZ17]. space- [LCF16]. space-angle [KL15].

space- [LCF16]. space-angle [KL15].

space- [LCF16]. space-angle [KL15].

space-charge [AP16]. Space-fractional [PCF15, CLZ18, CV16a, CGG18, JW15b, JW16, ILNS17, MD17, MDDM17].

space-time [DM17b, Fid17, HLM17, LNY17, SWPS17, TD17, TD18].

spaces [GMP16, KCW17, KC17c, YY16]. spacetime [AM17a, NLK^+15].

Sparse [ABM16, CS16b, HLS15, WTGC16, ARG^+17, ATM^+18, BGG16, CQ15, GNZ18, HLTC18, JW15a, JL17b, KS16b, LZT17, MJ17, Fid16, SS17b, TCA16, WCN15, WKS15]. Sparsifying [CS16b].

Sparsity [KMD^+18, BKL17, SP16]. Spatial [CNG99, MDMS18, AA15, BB15, CN17, FIS16, KKL15, LPWK15, LNZ16, LKH16a, NSB15, SP16c, TC15c, VT16, WMY16, WKO17, XTS^+16, Yan16a, YM17b].

spatial-stochastic [KCI15]. spatially [LM15d, MPT16, NHM17]. Spatio [Han16]. Spatio-spectral [Han16]. spatiotemporal [SLZ^+17, TL15].

spatiotemporal-adaptive [TL15]. SPDEs [KKL15, OB17]. Special [KHP15, KZ17, KZG16, TM17, KS15a, MRR15, WT15, ZT17].

species [CCZ15, HYK^+16, MN16c, SGA^+15, TC15a, TKC15, TCS15, WB17].

Specific [PWP15, BFI^+16, ISP^+15, PVFN15, ST18b, YDC16].

specification [SD17]. spectra [Roy15]. Spectral

[ATM^+18, CB18a, DMS16, DZ16, GHM16, LWI17, MK17, MDDM17, NS16, PCH15, SIZ^+16, SX15, TST^+15, Tre16, WB16, YJB18, ABP^+16, AABD15, AA16b, AML15, AB16, ALT17, ALMJ15, BEJ15, BZ16a, BA15, BDBEE15, BGM16, CAI16, CZ17, CL16, CJ17, CKB16, CI17, Cho15, Del15, DY17, EKE16, FBM16, SMT16, GWW17, GXX17, Han16, HB15a, Hb15b, HS17, JB15, KCI17a, KADE17, KP15c, LGG18, L17, LPR18, LMB15, LZZS15, LTX17, LYPP17, MDVM16, MS16a, MG15, MJ16, MDM^+15, MP16, MJ17, MA16, MSP15, MSP16, MM17, PKF16, PG17, Pas16, PR17a, RGW16, RN18, SH17, SO17, Sov16, SGT16, Sub15, TH18, TO15, VSM17, VPV^+17, VK16, WLM15, WZ15, WZL^+18, WCL15, WG15, WZR15, WZ15, XTR18, YC17, ZK15, ZL15b, dIHC16, ST17].

[SNB+15]. spectrum [FW17, HLTC18, LW17d]. Specular [LFRH17]. speed
[AIP17, BMR+16, BTT18, Ger17, GEZK16, GP16b, KYW+16, KYW+18,
MSB+16, PUA+15, QSB18, TR17, ZWG17]. speed-up [TR17]. Speeding
[WKSS15]. speeds [TPB16, XDvW17]. SPH
[LSR16, CZL+15, CMDL18, KM15, LHA15a, LHW+17, OMLdL16, OSP17,
SiI16, SiI17, VM15, VL15, ZD15b, ZHA17a]. sphere
[BKKJ17, CT15, Cap18, DFMI17, GF16a, GPS17b, HK16a, iI15, IDSG15,
KBK15a, KC17a, KGT15, MJ16, SP16a, SW18, SHW17, WBBC16, WCVF16,
XWB15, YSW15, YP17, Zau16, ZL15c]. Spheres
[HHK15, CV18, IML15, MS15a, PGCG18, SGN16, SFP16, Vre17]. spherical
[AMH+18, DGW18, GNY18, HSL+15, HMRG16, MS15b, SWHK15, BM15].
split-step [HMRG16, BM15]. Splitting [SLI17, ZZT+16, AMP16, BKN18,
BCM15a, BND16, CGQ18, CSS17, CGS18, CJLI16, CLZ18, CKQT15, CLX15,
CEF15, EOI15, FYO+15, GO16, GKN17, GZ18, HTBG15, KKS16, KO17,
KV16, LSL15, LZL+17, M16a, MLM18, PL16b, PM17, PMB18, QHZ+15,
RS15b, Ru18, SZY16, SLL16, SX15, TT16, TL15, VST16, tEDKT17].
splitting-based [tEDKT17]. splitting-free [KO17]. splittings [BMT16].
spill [DAO17, MZ15]. sprays [SDM+17]. spreading
[BDG+17, JJS15, LWC17]. spring [iI15, iI17]. spurious
[AAL15, MSG18a, ZW15]. squall [MG15b]. square [JL15]. Squares
[CNW17, NW17, BVC+16, BTLB18, BLO17, CBA17, CZL18, LZ18, LJ16,
MAP17, SX16, TMWF18, TM16, ZNX15, dTP16]. squares/fictitious
[HGW18]. squircles [LB15]. Stabilisation [XRMM15]. Stabilised
[SL17, EKEB16, Fer17]. Stability
[ACJ17, CSK+16, DDV18, GSS15a, KL16, MBJ16, MBNJ16, SwS16, VB16,
AA15, Ata15, BK17b, BR15b, BR16, DLS15, DKK15, FKW17, GR15, LH17a,
L16a, DV17, MF16b, NR17, O’S15b, PJC16, RS15a, WSH+17].
Stabilization [Sov16, ALM15, BTD16, BKN18, BC16a, CLGA17, DRM15,
Kla15, LW17a, MS18, Ter18]. Stabilized [ASS13, ASS17, DJLQ18,
MNG15b, SSC+16, BHF15, DGMT17, HMJF18, MVK16, SMDS17, SL18].
Stable [AMH+18, BGN15, BJK17, CNG99, MDT16, SKP+15, Sto17, WF17,
Z16, dSPDH15, BHST17a, BHST17b, Beg15, BCJ17, BC16c, CNG17,
Cha18, CJY15, CS16c, CS17a, CLS+18, CKQT15, CLvS17, CHD+18,
DGW16, DGW17, Don15a, DS15c, FCL17, FFJT16, FPV18, GBCF15,
GBCF16, GHL+16, GGT18, GT15, GX15, HW15a, HHR15, HN17b, IC17,
LT16a, LM18, LHB+16, LSZ18, ML17, MBHS17, MDMS18, MXL16,
MTD15, NN15a, NN17, NL18b, OLDN17, PC15a, PCN15b, PND16,
PKK18, PM18, ST18a, SW17a, SLH18, SPB18, SYY15, SLL17, Tav16,
VV16, WJD16, WKG17, WG15, WG16b, WDG17, WCCB16, WSF17,
Xia15, YC17, Yan16b, YH17, ZYSW16]. Stage
[PP17, CSS17, CFST16, DL18b, FPASS16, LZT17, PX16]. Stage-parallel
Staggered [CCKQ15, AB17, CCM17, GH17a, KSSL18, LHMB16, LMM16, LCF16, MO18, OLDN17, SO15, SZF15, TLQ15, TD16a, TD17, TD18, VW16, Vre17, YYL16]. staggered-grid [GH17a, LHMB16, SZF15, YYL16]. standard [Fan16, FST15, STG17, VWV17].

stars [GH17a, LHMB16, SZF15, YYL16].

standard [Fan16, FST15, STG17, VWV17].

stars [Lau17, RLP16].

started [GWC17, SHW17]. state [BJTZ15, BJWZ17, CZL18, CCM17, CMW16, EFT15, KTN15, LZ17b, MC15, Noe15, SE16, TST17, TCL15, ZILC15, ZZX16, ZS17]. states [BJTZ15, BJWZ17, CZL18, CCM17, CMW16, EFT15, KTN15, LZ17b, MC15, Noe15, SE16, TST17, TCL15, ZILC15, ZZX16, ZS17].

Static [AF18, DG16b, FCL17, KKL17, RSB15]. stationary [ACCD17, ALT17, DCBK15, LZ17a, LY17, OC18, PDS15, Rua18, RKH15, SWZ17].

Statistical [LKK17b, RS15b, RL17, VCNGP15, ZLX17]. statistically [CM18a].


step [SWMD17a, SWMD17b]. Steepest [MH18b, TP16b, FSWW17].

Steklov [DDV15, HS17a]. Stellar [Lau17].

Stochastic [AMK17, CHLZ17, HKJ17, LPWK15, PTMF18, RL18, SE16, ATM17, ADH16, AAPB17, BCSK17, CHZ16, Cot16, CMR16, Dav10, Dav15, DH18, DEZ16, EDG16, GH17b, HFND18, HHC15, HMBH15, HJ2017, HL15b, HJ16, JL15, JL18, JL17c, JS17, KM17, KKL15, KK17b, Kon16, LYLK17, LJZ15, LZ17, LM15c].

Stephen [ZJS15]. stepping [BDZ15, CLvS17, CLP16b, DNBH15, EARA15, GSK18, LW17d, LWY18, MM15, Pari18, QB16, RGPS17, Ta16, Tie16, XXR18, ZZDB15]. stepwise [ARG17].

Stiefel [BDT16].

stiff [BP18, CB15, CTM16, HS18b, LTR17, PBKK17, SXBB15, SYM15, TWIN15, TM15b, ZW15].

stiffly [RT16].

stiffness [AM17b, WHCN17]. Stochastic [AMK17, CHLZ17, HKJ17, LPWK15, PTMF18, RL18, SE16, ATM17, ADH16, AAPB17, BCSK17, CHZ16, Cot16, CMR16, Dav10, Dav15, DH18, DEZ16, EDG16, GH17b, HFND18, HHC15, HMBH15, HJ2017, HL15b, HJ16, JL15, JL18, JL17c, JS17, KM17, KKL15, KK17b, Kon16, LYLK17, LJZ15, LZ17, LM15c].

MPT16, Moh15, MFB18, NW15, Opp17, PND16, PE15, SSDN15, SS15b, SGA15, TWIN15, TPT16, TT17b, TAJ17, VCNGP15, WHCN17, WH16b, WTX17, ZZZ15, YYL18, ZLX17, dCGCA17, AGCR15, HS16b]. Stokes [CDN17, HTMP17, TXKvdV15, TXKvdV16, AD15, ALKZ16, AB18, AB17, BTD16, BC16a, BTVB15, BLJ17, BHF15, BC16c, BC16d, CGS18, CHOR17, CS16c, CYL16, CYYL18, CCKQ15, CCRV17, CV18, CCM17, CLP16b, FKW17, FBW16, GTG15, HPY18, HW15a, HTFL18, HML16, KML18, LM18, Ler16, LXX15, LZ17, LT17a, LMBH18, LM16, LY16a, LRG016, LML18, MPFL16, MS17, MBK17, MHS16, MR16b, MN18c, NL15, OT15, OvdHVF16, PG17, PXLL16, PX16, PJC16, PCN15a, PCN15b, Pea15, PND16, PDRB17, PBKK15, PMB18, RDM15, SHLG15, SMS16, SLB16, SLY16, STG17, SE16, Stü15, Stü17, Sva15, TD16a, TD17, TMB18, UL16, WY17, WR15, WZ18a, WCVF16, XWW16, YC17, YTW15, Zha17c, ZLFW18].
Stokes-residual [BC16a]. Stokesian [LRZ17, WB16]. stokeslet [Smi18].

Stokeslets [CV15]. stopping [RMP18]. storage [CB15]. straight [LBZ16].

strain [LK17, SY18a, TBO+16, WS16]. strand [KW15a]. strategies [BCB17, HD15, JW15a, KRFV16, Kou16, LJT16, PQR17, SSN15, WED15].

strategy [CcdL15, CGC17, DBMR15, FC16, HX16, JBL015, OMYvdP+15, PK16, SX16, SDM+17, ZFZL15, ZLL16b, vLtTBI17]. stratification [CDV17].

straight [LBZ16]. strand [KW15a]. strategies [BCB17, HD15, JW15a, KRFV16, Kou16, LJT16, PQR17, SSN15, WED15].


streaming [BDMC15, YSWW16]. Streamline [WHE17]. strong [BJ16, GLMC16].

streamer [DBMB15]. streaming [BDMC15, YSWW16]. Streamline [WHE17].

strain [LK17]. stress [DGW18, Fal16, LEB+17, WS16]. stress-strain [WS16].

streaming [BDMC15, YSWW16]. Streamline [WHE17]. strong [BJ16, GLMC16].

streamer [DBMB15]. streaming [BDMC15, YSWW16]. Streamline [WHE17].

strain [LK17]. stress [DGW18, Fal16, LEB+17, WS16]. stress-strain [WS16].

streaming [BDMC15, YSWW16]. Streamline [WHE17]. strong [BJ16, GLMC16].

streamer [DBMB15]. streaming [BDMC15, YSWW16]. Streamline [WHE17].

strain [LK17]. stress [DGW18, Fal16, LEB+17, WS16]. stress-strain [WS16].

streaming [BDMC15, YSWW16]. Streamline [WHE17]. strong [BJ16, GLMC16].

strong [BJK17, CLMZ17, ESGS17, Guo15, RS16a, SYY16, Stu15, XLL+17]. strong-constraint [RS16a].

strongly-coupled [GC17, YS15]. Structural [ADE+17, BQCG17, MN18b].

structure [SKO18, BD15b, BVG+16, BN17, BHK615, BQCG17, BCM15b, Bak16, CGSS18, CM16a, CDM18, CQL+17, CM16b, CYWL17, DG16a, DG18, DFGQ16, DMS16, EKSS15, ED16, FW18, FLV15, FLT17, FRW16, GLS15, HDF18, KKP15, KLC17c, LTB16a, LKB15, LC15, LMC16, LGD17, MD17, MRZG16, MMMS15, MKV+17, PDdG+17, PHO+16, PD16b, PME+15, RO16, RLP16, Say17a, Say17b, SMP16, SMA+16, SPM+15, WCH+17, Wi16, WHZ18, YXF+16, ZC18, dTP16].

Structural-preserving [SKO18, CQL+17, MD17]. structured [Bal15, FGLW18, FLHA17, GBR15, Ii15, LSZ18, MSD+17, PF15, RSB16, YFKS15, ZJ18]. structures [BB15, CGSS18, CWW217, DCA+16, DJV+18, FBG15, GC17, GBS15, KML18, KHI18, LDL+16, LSS16, Liu16, MHJ15, NJ15, PEVG18, SLL+16a, SWZ17, TBLM15, VCNP18, ZBZ+18]. studies [DD16a, EH14, EH15, XS15]. study [BTA17, CX15, CCZ15, DNOP15, DLS15, ED16, HM16a, Hu17, Kmd16, KGS17, MOAA15, MVZ16, MC17, NH17, PR16a, RS15a, DD17c, SCQP16, Stii17, TK15a, VM15, ZSP18b, ZHS18, ZSP18a, ZED15, ZS17].

studying [BLC+17, KES18]. Sturm [KADE15]. sub [An16, BVG+16, BTGM17, BGTM18, BJ16, DJ16, DL16, GSS15a, LW17c, ILLS16, MAH16, MMW16, Pxs17, SPCH16].

sub-cell [BTGM17, BGTM18, DL16, Pxs17]. sub-cycling [SPCH16]. sub-diffusion [GSS15a, LW17c, ILLS16]. sub-element [MMW15]. sub-filter [BJ16].

sub-grid [An16]. sub-grid-scale [MAH16]. sub-points [DZ16].

sub-structure [BVG+16]. subcell [BD17]. subcooled [JSVD17].

subcycling [SAOW17]. subdiffusion [ADH+16, ZZK16]. subdivision [DL16, CZZ17, PXX215, PCX17]. subdomain [vdLJLV16].

subdomain-levelset [vdLJLV16]. subdomains [GDA16]. subgrid [DLL17, PD17, WB17]. subgrid-scale [DLL17, WB17]. subject [Cha16].

subjected [CG16]. subluminal [BK16a]. submerged [ZBZ+18]. subset [CL17]. subsonic [CPS17, PW18]. subspace [BD16, CN16, Par15].

subspaces [AdS+15, CELI15, GWC17]. substrate [FY15]. substrates
[LD15, YFKS15]. subsurface
[AVT17, DGW18, ST16, TD16b, TBLM15, YNW17]. subsurfaces
[DGMT17]. subzonal [SO15]. subzone [SO15]. successive [YCPD15]. such
[ELH+i6]. suitable [CS17a, Sti16]. sum [EMZ16, Ik18]. Summation
[MN04, MN17, RÖS16, CHD+i8, DBZ17, FN17, GWK16, GKE15, LMN18,
NPP15, NN17, NR17, NG17, NG18, PS15b, RÖS17, Ran18, RWN18, RN18,
SPB18, LKN17]. Summation-by-parts
[RÖS16, CHD+i8, DBZ17, FN17, GWK16, LMN18, NN17, NR17, NG17,
NG18, PS15b, RÖS17, Ran18, RWN18, RN18, SPB18, LKN17]. super
[Fed17, SLH18, SSM+i7]. super-convergent [SLH18]. super-hydrophobic
[Fed17]. super-resolution [SSM+i7]. superconducting [FBC+i6, PK17].
superconductivity [GS15b]. superconductors [SKP+i5, SSL+i6b].
Superconvergence [SZ15b, GSS15a]. Superconvergent [GP17].
supercooled [RW15b]. supercritical [KTN15, PSS17, TK12, TK15b].
supermesh [ADGN17]. supersonic [WG16a]. supervised [PT17b].
support [AEL+i7]. Suppressing [NT16]. suppression [MAP17]. Surface
[BC16d, TP16a, YT17, AAL15, AZ17, AS17, AEL+i5b, APT17, Ani16,
BJWZ17, CCHL15, COV18, CSG17, CG16, DDV18, DKTH15, DKC15, EJZ17,
FRL15, FMRZ17, FPDT17, FKY15, FPV18, GOR17, Gen15, GG15, GLMC16,
GVTQ16, GP16c, HHA15, HWH+i6, HLTC18, HKS+i6, Lau17, LC17a,
LY18, LS16c, LZ15b, LWC17, LEB+i7, MML17, MNG15a, MK15, MDL16,
MHS16, NWKC16, DM18, RZ15, Say17a, Say17b, SAK18, SL16a, TBO+i6,
WX17, XYPT16, XX17, XY17, YFKS15, YCS+i7, ZZS+i7, ZZKF15].
surface-integral-equation [SL16a]. Surface-tension-driven [BC16d].
surfaces [AA17, CLR15, CE17, Chu17, FF17, Fed17, GVTQ16,
HN17a, HN17b, KJYC17, LWZ16, PCX17, PKB15, PR16c, PLR18, QS16,
RF18, XWW17, ZW16]. surfactant
[BGN15, DD17a, Gan15, SA16, SCJ+i8, ST18c, XSL18, dJRP+i5, dLGT+i7].
surfactant-dependent [Can15]. surfactant-laden [ST18c].
surfactant-polymer [DD17a]. surfactants [BG16b]. surrogate
[KSV+i5, PKW17, SGC+i7, TCA16, WL16, ZZ18]. surrogates [WLL16].
survey [Shu16]. susceptibility [DKTH15]. suspension
[CGL18, COV18, FKY15, IML15, TMH18]. suspensions
[BLG+i6, DKPC15, GLTB18, KQB18, LRZ17, NRZS17, QB16, WB16].
swarm [LLY15]. swarming [GH15]. SWE [CV17]. sweeping
[DG16b, EFT15, EG16, KLWQ17, LQ16]. swept [AW16, MN18a].
swimmers [SCQP16]. swimming [BI16]. switch [DWR18]. switching
[HSK+i5, Zad11]. Sylvester [HO15]. Symmetric
[LW18, BBF+i7, GL17, LMC16, Loh17, ROŚ17, RZ17, MRRRF18].
Symmetry [PLL+i5a, LWLC17, OV17, VV16, VW18]. Symplectic
[EBQ15, MW17a, SCN+i7, Web14, ZJS15, CHZ16, CQL+i7, CHLZ17,
GAN+i6, GZ16, LW15b, SL16c, Tao16, ZZT+i6]. Synchronized [LK16b].
synthesis [KH18, MCS16]. synthetic [KH15]. system
[BMT16, BZ16a, BPTA16, CCZ15, CV15, DDL17, DLM18, EL17, FDS+i5,
FS15, GX15, HK16a, IM17a, KKS15, KKS16, LCK16, LMKS15, LMSK17, LLLN18, LRGO18, MDVM16, MN16a, MRN16, MP16, SHLG15, TC15a, TKC15, WCVF16, ZM16a]. Systematic [LYLK17, MPP15]. systems

AGRBI8, ABR16, BN17, BT16, BIo17, BW18, BDV17, BKRI7, Cac15a, Cac15b, CGS18, CFG16, CB15, CT1J+17, CQL+17, CLS+18, CLM15, Cos16, Cot18, DB16b, EBQ15, EFT15, EJMI18, FDKI17, FOF15, FB515, GAN+16, GKMS17, GS18, HKKP16, HM16a, KBK15a, KNS15, KM16b, KML18, LMS17, LS15b, LPB17, LY18, LX17, Lia16, ILNS17, LJT16, LW17e, LPBR15, MSK18, MW16b, MW17a, MMR18, NMA15, NL15, NW17, NW15, NN16, Nor15, PxRS17, Pan15, PT17b, PSP16, RZ17, RB15, SL18, SMS16, SPP16b, SMSR18, SS18, TWN15, TPT16, TT17b, TZSS17, VNA15, WE15, WCN15, WHCN17, WW18, Web14, WTX17, ZJS15, ZD15a].

BHL15, BZ16a, BZ15, DBEE15, BCM15a, BHE\textsuperscript{+}17, BSWG15, BFNGDNR18, BDZ15, Bre18, BC16c, BTWY15, CR17, CCDL15, CGS18, CXH15, CLC16, CHY16, CX16, Che18, CLvS17, Codll18, Chul17, CLQ17, CLP16a, CC16c, CLP16b, CLMZ17, Cui15, DKPC15, DNOP15, DBNH15, Dw15a, DM17b, DGL\textsuperscript{+}15, DLL\textsuperscript{+}17, DL18b, DBMB15, ETAG15, EARA15, EN17, FW18, FBL17, FLV15, FJLC18, Fid17, FN17, GAN\textsuperscript{+}16, GSN, GSS15a, GS15a, GZY16, GFC18, GMP15, GP16a, Csk18, GHJ15, GHH\textsuperscript{+}16, HW15a, HB16, HEPG15, Hig15, HL16c, HML17, Hsc16, HTBG15, JSP16, JLLZ15, KKP15, KNS15, KLRT15, LH16, Ler15, LZ15a, LZ16, LW17d, LWY18, LIW18, LCF16, LMM17, MBSS15, MN18a, MWD16, MAM16, MP15a, MM17, MH17, NDCB17, Nor15, OB17, PLC18, PHRA16, PT17a, PTMF18, PME\textsuperscript{+}15, QB16, RS16a, Rgps17, RM16, RR18, RL17, SXBB15, STEK17, SS15b, SW16, SWZ15, SWL15, SWPS17, SS15c, Shu16, SZ17, SWHV16, SP15b, SPRW15, SP16c, SWZ17, SS18, Sub15, SAOW17, Tav16, TD16a, TD17, TD18, TSH17, TP17, Tie16, TBO\textsuperscript{+}16, VL15, VK16, WJD16, Wso16, WBM15a, WR16, WZ18b, Xie15, Xrx18, Xy18, XHC15, YLA15, Zz16, Zzdb15, Zha16, Zjl16, Zbzt17, Zl17b, Zzh16. \textbf{Time-accurate} [Boa17, BDZ15, DL18b]. \textbf{Time-dependent} [BCB15, Gkna17, KBk15b, Awj17, BHL15, BOA17, BSWG15, CX16, Chul17, Clp16a, DKPC15, DBMB15, GSN16, HL16b, LZ15a, ILNS17, PLC18, RR16, STEK17, SS15b, Shu16, Sub15]. \textbf{Time-differencing} [WBM15a]. \textbf{Time-domain} [BG16a, CLQ17, GFC18, GJH15, LH16, MH17, SWZ17]. \textbf{Time-filtered} [MM16b]. \textbf{Time-fractional} [AEAM15, Ata15, CXH15, DLL\textsuperscript{+}15, GSS15a, GS15a, GMP15, HB16, JLLZ15, KNS15, MP15a, XHC15, YLA15, Zz16]. \textbf{Time-harmonic} [DGL\textsuperscript{+}15, ETAG15, RM16]. \textbf{Time-integration} [Sxb15]. \textbf{Time-integrator} [Wz18b]. \textbf{Time-parallel} [Rs16a]. \textbf{Time-space} [AHKT17, BZ15, KLRT15, MN18a]. \textbf{Time-spectral} [M17]. \textbf{Time-stable} [SPB18]. \textbf{Time-staggered} [LCF16]. \textbf{Time-step} [Dw15a, FW18]. \textbf{Time-stepping} [MM15, DNBH15, LW17d, Tie16]. \textbf{Times} [Lm15c]. \textbf{Timescales} [Cos16]. \textbf{Timestepping} [Kms\textsuperscript{+}18]. \textbf{Timesteps} [CS17b]. \textbf{Toeplitz} [KNS15]. \textbf{Toeplitz-like} [KNS15]. \textbf{TOKAM3X} [Tbc\textsuperscript{+}16]. \textbf{Tokamak} [DBB\textsuperscript{+}17, FH17, Fbc\textsuperscript{+}16, Hrj\textsuperscript{+}16, Khc\textsuperscript{+}16, Kypk15, MP15b, MP16, Tbc\textsuperscript{+}16, WSU\textsuperscript{+}15]. \textbf{Tokamaks} [Lbz16]. \textbf{Tolerant} [Ad17]. \textbf{Tomography} [Kbr17, Ms15a, NLK\textsuperscript{+}15]. \textbf{Tools} [Lkk17b, Vwv17]. \textbf{Topology} [MDBCF17, Nmm17, WG15, Yr15]. \textbf{Topological} [Ldh15, Par17]. \textbf{Topologically} [Lwc17]. \textbf{Topology} [Cwwz17, MKV\textsuperscript{+}17, NSL16, Qdrb15, Yyy\textsuperscript{+}16, DK18a, DK18b, LSD\textsuperscript{+}17]. \textbf{Tori} [ZYw16]. \textbf{Toroidal} [OC18, Rhk15]. \textbf{Torques} [NjpB17]. \textbf{Torrey} [Btw15, Zbzt17]. \textbf{Total} [HW16c, Bkl17, HW15c, Zc15]. \textbf{Trace} [Oke17, Wlk\textsuperscript{+}16]. \textbf{Tracer} [Bkkj17]. \textbf{Tracers} [Hm17]. \textbf{Traces} [Abt17, Znd16]. \textbf{Tracing} [Dc18, Jh15]. \textbf{Tracking} [Ap16, Bmra\textsuperscript{+}15].
traction
traffic
Train
trajectories
Trajectory
transcendants
transcritical
transformation
transformations
transformation
transforms
transient
transistors
transmission
Transmission
transparent
Transport
translational
Transmission-line
translational
transfer
transfers
transform
transformed
transform-velocity
transport-free
transport
Trapezoidal
Treat
Treatments
treatment
Tree
Tree-based
Trefitz
tri
tri-diagonal
Tri
triangular
troubled
troubled-cell
truncated
truncating
Truncation
tsunami
tsunamis
Tucker
tumor
tumour
tunable
tune
tunneling
tunnelling
turbines [CGSS18, MBST17]. \textbf{turbomachinery} [dLDG\textsuperscript{+}18]. \textbf{turbulence} [BPM\textsuperscript{s}18, CGSS18, HK15a, HK15, KYPK15, LT17a, MAH16, MSP15, MMPS17, OMY\textsuperscript{y}dP\textsuperscript{+}15, SSO\textsuperscript{+}15, TBC\textsuperscript{+}16, VBF15, WN17, YWS\textsuperscript{+}16].

\textbf{turbulent} [BBKS18, BS15a, BKG15, BFTVC18, CCBdL15, CL16, CV16a, ESHA16, FNP17, FBM16, KYUO15, KTN15, KCS\textsuperscript{+}17, KFWK17, KM15, LE16, LZB\textsuperscript{+}17, LHMB18, LDHJ15, MM16a, MP17, MRK15, OVP15, PM16, PGW18, PEVG18, PWP15, RWG18, TKP16, UG16, WG16a, WMYG16, WSN\textsuperscript{+}15, XWL\textsuperscript{+}16]. \textbf{TVD} [Sid18, BR15a, DvW15b, Heu17, ZJLC15]. \textbf{Two} [CHCC18, JSY15, LEB\textsuperscript{+}17, RMA17, SAH17, Vab18, ACGR15, AASRT17, AA16, Ama15, ACJ17, Ani16, BAGK16, BVG\textsuperscript{+}16, BXY17, BGN15, BH18, BAVC17, BLS16, BHM18, BTWY15, BKKRB16, CPT16, CD18, CS16a, CGK17, CLZ18, CCZ15, CS17b, CG16, CM18b, CLMZ17, CYWL17, DS15a, DS15b, DG18, DCA\textsuperscript{+}16, DLM18, DGMT17, DG16c, DL17, DvB17, DL18b, ED\textsuperscript{+}W17, FR18, FGL16, FS16, FS17a, GZ17, GN16, HHA15, HTFL18, HN17a, HLML17, HM16b, HTMP17, HC17, HTBG15, ID17, IGQ15, JPL15, JS16, JS17, JJ18b, KJ17a, KGS17, KS16c, LVTR15, LW18, LPGT16, LMC16, LPR18, LXT17, LLNS16, LLNS17, LSL\textsuperscript{+}17, LD15, LSTK15, LGH16, MNG15a, MDDM17, Mac18, Niu16, PX116, PXR17, PSS\textsuperscript{+}18, PM16, PR16a, PA\textsuperscript{+}16, PS14, PS15a, PGM17, QYF15, RWG18, RV16, RTG15, RZ15, SHL15, SHA16, SRBB18, SYM17]. \textbf{two} [SX15, SWZ17, SJJ\textsuperscript{+}15, SLZ\textsuperscript{+}17, SGPI7b, Suz18, TH18, TSH17, TND18, TT16, TBO\textsuperscript{+}16, UWH17, VNA15, VSM16b, WRL16b, WLE17, WHE17, WWGK17, WG15, WKSS15, XSL18, YSY17, YM17b, ZMF15, ZLL16a, ZZ17b, ZBZT17, dJR\textsuperscript{+}15, tEDKT17]. \textbf{two-channel} [DG16c].

\textbf{two-component} [GZ17]. \textbf{Two-dimensional} [JSY15, LEB\textsuperscript{+}17, BVG\textsuperscript{+}16, BLS16, BTWY15, CLZ18, CLMZ17, CYWL17, DCA\textsuperscript{+}16, ED\textsuperscript{+}W17, FS17a, HTFL18, IGQ15, LPR18, LLNS16, LLNS17, LD15, MDDM17, PX116, SX15, SWZ17, SLZ\textsuperscript{+}17, TSH17, TBO\textsuperscript{+}16, VNA15, VSM16b, WRL16b, WLE17, WHE17, WWGK17, WG15, WKSS15, XSL18, YSY17, YM17b, ZMF15, ZLL16a, ZZ17b, ZBZT17, dJR\textsuperscript{+}15, tEDKT17]. \textbf{two-field} [CS16a].

\textbf{two-fluid} [AA16, Ama15, BAGK16, LGH16, Niu16, RTG15, SJH\textsuperscript{+}15]. \textbf{two-grid} [ACJ17]. \textbf{two-group} [JPL15]. \textbf{two-layer} [PM16]. \textbf{Two-level} [Vab18].

\textbf{two-miscible-layer} [SHLG15]. \textbf{two-layer} [JPL15, SG17b]. \textbf{two-node} [JPL15, SG17b]. \textbf{two-phase} [ACGR15, AASRT17, Ani16, BGN15, BAVC17, BHM18, BKKRB16, CD18, CGK17, CS17b, CG16, DG18, DGMT17, FGL16, HHA15, HTMP17, HTBG15, JS16, JS17, JJ18b, KJ17a, KS16c, LVTR15, LW18, LPGT16, LSL\textsuperscript{+}17, LGH16, MNG15a, PSS\textsuperscript{+}18, PS14, PS15a, PGM17, RWG18, RV16, RZ15, SHA16, SRBB18, Suz18, TH18, TND18, TT16, WKSS15, XSL18, YSY17, ZZ17b, dJR\textsuperscript{+}15, tEDKT17]. \textbf{two-scale} [SAH17, CPT16, LM16c].

\textbf{two-sided} [SYM17]. \textbf{two-species} [CCZ15]. \textbf{two-stage} [DL18b, LZT17, PX116]. \textbf{two-step} [BH18, HC17]. \textbf{two-way} [HM16b, ID17, Mac18, PA\textsuperscript{+}16, QYF15]. \textbf{type} [AAG16, AJ15, BDZ15, BFTVC16, CC17b, DG16a, DL18b, HY15, LGH16, LHQ16, MDP\textsuperscript{+}15, RMK15, Rod17, SYY16, Spe15, WBB16].
XLL$^+$17, YZW$^+$18, ZHS18, SW17a, SKO17.


ultrasound [HTBG15]. unaveraged [ALM15]. unbounded [BNM15, BLS16, CLC16, FH17, GWC18, KADE15, KADE17, LZ16, LC16, NGY$^+$17, SHW18]. unbounded-periodic [SHW18]. Uncertain [BNM15, BLS16, CLC16, FH17, GWC18, KADE15, KADE17, LZ16, LC16, NGY$^+$17, SHW18]. uncertainty-based [FC16].

Unconditionally [GGT18, SLL17, Tav16, WSF17, BC16c, GX15, HW15a, WCCB16, Yan16b, YH17].


uniform [Heu17]. Unification [Sid18].

Uniform [PCBG18, WYLX17, AG16, BT15, CX15, DPRZ16, DPRZ17, KG15, LS16b, LLFX18, LSXC16, PLWJ16, SJX15, SJXL15, SJX17, XCX17, ZZZ16].

Uniformly [CLMZ17, LN15, BZ16a, LAA16, XQ17]. uniquely [HW15a, WDGW17].

unit [DJV$^+$18]. Units [GP18]. Universal [TKB$^+$15].

Uniformly [CLMZ17, LN15, BZ16a, LAA16, XQ17]. uniquely [HW15a, WDGW17].

unstructured [ACS16, SCS16, AAE17, AEL$^+$17, AG18, BD15a, BD15b, BT16, BDZ15, BD17, BDLM18, BHTT17, CBC$^+$18, CGK17, CHY16, CSN17, CLTX15, CCM17, CLP16b, DvW15b, DL16, DMTB15, DvW17, FP16, Hu17, Ism15, IM15, IM17b, JBLO15, KC17c, Kor17, KSI17, KS17, LLD$^+$16, LMG15, LLP$^+$16, LAL18, LL16b, LJ16, MHGM$^+$15, MF16a, ML16, MM17, NOM$^+$17, NYNYM15, Nis15, PX16, PxRS17, PL16a, PM16, PN17, PBC$^+$17, RSB17, SSX16, Sti17, SJX17, SZS15, TD16a, TD17, TD18, TSB$^+$18, Tso18, VST16, VN15, WLM15, WRL16a, WRL16b, WRPL17, WWK17, WRL18, XX16, XDSX17, XX17, XL16, ZCHS15, ZZZ17, ZXL17, dLDG$^+$18]. updated [TL17].

unstructured-mesh [KS17, SZS15]. updated [TL17]. updating [PDdG$^+$17].

Upwind [FRRV16, AGBL15, ABH18, Fan16, HC18a, LMKS15, Mat17, MO18].

upwinding [Sub18]. Use [MTL$^+$17, VBG16, BT17a, DA17, DCCC16, FG17, HS17a, LSWF16]. Using
[CG15, KV16, SNB+15, ATM+18, ADGN17, AMJI17, AZK16, AN15, ATF16, ABT16, BVM+17a, BCSK17, BJRF18, BCST17, BD15a, BK17b, BJ15, BDKK17, BNK18, BAVC17, BLS16, BRW15, CR17, Cap18, CBS18, CI17, CC17b, CE18, CZB15, CZ17, CWWZ17, CCK+18, CRMP16, CLLL, CEL18, CSK+16, CLM15, CV16b, CLP16b, CGGH17, DD17a, DD15, DG16a, DSH+16, DJV+18, DPO16, DC18, DMS17, Dom18, EST17, EGG+15, Eva18, EDevW17, Fid17, FGLB16, FM16, FP16, FSB16, FRRV16, FN17, FK15, Gav15, GBvZB16, GWC17, GS18, GGL+17, Gno17, GFvR18, GRS15, GSN17, HED+16, HB16, HLL+16, HH16, HW16a, HU18, HQL16, Hue15, JW15a, JES15, JL18, JWH16, KAR17, KB16a, KK17a, KZR15, KP15b, KDKP15, KSI17, LMBZ15, LSR16, LTB16a, LDOK17, LPG18, LWLC17, LT17a, LMBZ15, LSI16, LBB+17, MBSS15, MM16b, MNG15a, MG15b, MP15, MCGS16, MFB18, MSP15, MSB+16, MM18, MC17, MNSM17, NCP+17, NLK+15, NSL16, Nor15, OLHD17, OKE17, PK17, PPCK17, PD16a, PKLS17, PR16a, PGGW18, PS15b, PF15, PD16b, QLF16, RPK17a, RPK17b, RC18, RS17, RBGV15, RPL+18, SGP17a, SS17b, SAK18, SRBB18, SW18, SPB18, SFT16, SWMD17a, SWMD17b, SCQP16, STW16, SLL17, SDM+17, SWHV16, SC16, SGT16, SHP+16, SS17c, SD18, TK12, TK15b, TND18, TVB+16, TO15, TBLM15, VSM17, VBL+16, WWRS17, WBBC16, WS15a, WF17, XL17a, XDSX17, XP15, YYY+16, YSC+17, YCPD15, YXF+16, Yan17, YL16, YC16, ZS16, ZB15, ZD17, ZJ18, ZZPH18a, ZZPH18a, ZNX15, aKT16, dPS16, dAC17, vdBKD17. using 

[LC17b, LT17b, LVL18, LMGG17, LSI16, LBB+17, MBSS15, MM16b, MNG15a, MG15b, MM18, MC17, NMM17, NCP+17, NLK+15, NSL16, Nor15, OLHD17, OKE17, PK17, PPCK17, PD16a, PKLS17, PR16a, PGGW18, PS15b, PF15, PD16b, QLF16, RPK17a, RPK17b, RC18, RS17, RBGV15, RPL+18, SGP17a, SS17b, SAK18, SRBB18, SW18, SPB18, SFT16, SWMD17a, SWMD17b, SCQP16, STW16, SLL17, SDM+17, SWHV16, SC16, SGT16, SHP+16, SS17c, SD18, TK12, TK15b, TND18, TVB+16, TO15, TBLM15, VSM17, VBL+16, WWRS17, WBBC16, WS15a, WF17, XL17a, XDSX17, XP15, YYY+16, YSC+17, YCPD15, YXF+16, Yan17, YL16, YC16, ZS16, ZB15, ZD17, ZJ18, ZZPH18a, ZZPH18a, ZNX15, aKT16, dPS16, dAC17, vdBKD17]. utility [VWV17]. Uzawa [WSF17].

v [CBA17, TCS16a]. vacuum [CSY15, NOM+17, SR18]. valid [RKO17a]. Validation [ION+17, SMA+16, FOF15, GPS17a, GG15, MML17, MPP15, PT17b, SHP+16, SS17c]. validity [JG15]. value [BDB18, DGHP17, Die15, DZC16, KA15, PHHR17, PH15, WZ15, WL18, XM18, ZG18]. valued [LM15d, Tax15, WF17]. vanishing [MK17, MSP16]. vapor [BG16b, DD15, FMRI17]. VAR [FDS+15]. Variable [CWL+16, SHP+16, ABT16, Ata15, BFGNDR18, BTT18, Cui15, EJMI18, EMSS17, HW18, JL18, M16, Niu16, PPCK17, RBU18, Run18, SP15a, SA18, SXY18, TSH17, TPB16, WZ15, WW17, WKPS18, WSF17, YY17, ZK15, ZSS15]. variable-coefficient [WZ15, WW17]. variable-density [EJMI18, SP19a]. Variable-order [CWL+16, TSH17]. variable-separation [JL18]. variables [GMLD18, Kla15, LK16b, SP15a, WBC+16]. variably [HSK15, Zab11]. Variance [BBKS18, GAJ15, MWD16, NW15, CCL16, KM17, VCNGP15]. Variance-reduced [MWD16]. variant [GBU15, ZD15a]. variate [FDKI17, SWHK15]. Variation [SIX16, BKL17, ZC15]. Variation [Kou16, KTG16, PK17, WRP17, ZC15, ZSX17, ADP+17, CZB15, EBPQ15, E16, FPDT17, FG18, FKDL17, FPV18, GAN+16, GS15c, GM16, GWE+15, HKKP16, HK15b, JJ17, J18a, JJ18b, KR17, LWLC17, LW17, MC18, RG15, RS16a, RWG18, SWML17, SD17, SSO+15, SWHV16, SS15,
YGEM17, YSY17, ZS16. variations [GS18, WT16]. various [BMT16].
varying [GDFL17, NHM17, NSK16, ROS17, SKF16]. vascular [BF16].

Viscous [DPRZ16, LAX16, AMM15, BLG16, BKKRB16, CBS18, CJD17, CX16, HEPG15, HGW18, HLS15, HDF18, KDL15, LVTR15, LT15, LC16, LC17b, MS17, MCGS16, MM16d, NNW17, PPLC16, QS18, RBJS15, RXSG15, RAMB15, SGMS16, SKF15, SST15, WTL17, YWS16, YXF16, ZZ15, ZPHP18a, ZZPH18b, ZZPH18c, ZYSW16, aKT16].

Visualization [VIN16, KLA17]. Vlasov [QHZ15, BDM17, CQ16, CGQ16, CCZ15, CGJ16, Cot18, CEF15, CLMZ17, DDD17, Del15, EL17, FY15a, MDVM16, RTG15, SC16, TC15a, TKC15, WSJ16, ZG17]. VOF [CDM18, HDA18, MNG15a, PR16a]. Volterra [Moh15]. Volume [AGBL15, DG18, FB15, FPT17, HSLQ15, JBLO15, Kat16, MDL16, NT15, RW15b, SAK18, SGD18, VW18, ABG15, APP16, AEL15a, AEL15b, ABT16, AMM15, AM17b, BD15a, Bat17, BGV17, BLCV17, BLMY17, BTVB15, BLD15, BDZ15, BD17, BLDM18, BHTT17, BKKRB15, BFTVC18, CCZC16, COV18, Cho15, CGP16, CSH15, CHS17, CCM17, DRP16, DB16a,
DMS17, DVP+16, DL16, EKSS15, EDvW17, GOR17, GHL15, HSLQ16, Heu17, HMFJ18, HY16, Hu17, Ism15, IGQ15, IDSG15, IM17b, JME18, JW15c, JW16, KW15b, Kla15, KS17, LLD+16, LN17, LAL18, LX16, LL16b, LZ17b, LY16c, LJ16, LGKF16, MAK15, MDHC15, MH18a, MMvR18, MK15, MH18b, MSS16, NJPB17, NS15, Nor15, PXR17, PHO+16, PS16, PR16b, Pei16, PWP15, RMA17, RKRGW17, RBL16, SPX+18, SAEF17, SRBB18, SY16, SKO17, SYM17, SDH16]. *volume*

[SKG17, SFP16, Sub18, Tav15, TMT17, TND18, TVB+16, Tso18, WR15, WRL16a, WRL16b, WRPL17, XWL+16, XDvW17, XX16, XL17a, XDS17, XM18, ZCHS15, ZZZ17, ZQ17, ZXL17, vEKdB16, AAL15, BAVC17, CJ17]. *volume-averaged* [BTVB15]. *Volume-of-Fluid* [JBLO15, RW15b, SAK18, IM17b, LY16c, PR16b, RKRGW17, SRBB18, TND18].

*Volume-of-Fluid-based* [FB15]. *Volume-preserving* [HSLQ15, HSLQ16].

*volume/finite* [BFTVC18]. *volume/Monte* [GDS+16].

*volumetric* [WN17]. *Voronoi* [FHA17a, GLTG15, GP17, PLB18, YGJ18]. *Vortex* [PWC18, BPGS16, BR15b, BR16, HKLW15, RHvR+15, XWB15, XY17, ZYW16].

*vortex-induced* [BPGS16]. *vortex-surface* [XY17].

*vortices* [LLM17]. *Vorticity* [CX16, BS15a, CWS18, CMDL18, KO17, PG17, XWB15, Sid18].

*voxelization* [PA15]. *Vries* [LY16b]. vs [CFG16, DLLV17].

*Waals* [PSS17]. *wake* [PEVG18]. *Wakefield* [MAM16, XVD+16].

*Walk* [HHK15, ADHN15, KC17b, MS15a, RFGSV15].

*Walk-on-Spheres* [HHK15].

*Wall* [Don17, CW16, CW17, CV15, HL15a, HHY15, MS17, NL15, PM16, PCN15b, Stü15, SG17b, VM15]. *Wall-bounded* [Don17]. walled [FLV15].

*walls* [DCBK15, FNGDMNR18].

*Walsh* [Gno17].

*Wang* [FJLC18].

*Warburton* [AMP16].

*warm* [SP16c].

*Water* [NMM17, SP16a, TK16, TM17, ABT16, BFNGDNR18, BHGK18, CV17, Cap18, CSL15, CLB+16, CE17, CSM16, CK16a, CDV17, DA17, DMTB15, EKBE16, FS17a, GP16a, GIF18, GCM15, JS15, LMP15, LPG18, LDW15, LMK15, LY16e, LMS17, MDBC17, Mue18, NMM15, DM18, RW15b, Ric15, SMR18, SD16, TC15b, VST16, WWGK17, WG15, WBM+15b, YM17b, ZA15a, ZED15].

*Wave* [Luc15, MT17, Ps15b, AMN18, ABP+16, AMJ17, An17, ABH18, BNN15, BDVE15, BH18, BGGM15, BTT18, CZW17, CGMH18, CSG17, CLQ17, DCA+16, DWG+18, DKK15, FS16, FK16, GFG+15, GH17a, GFC18, GKNA17, GP16b, HK15a, HSC16, HX15, KS18, KLR15, LC18, LHM16, LC17a, LG16, LT16b, LY16c, LK16a, LMM17, LQB16, MD17, MSS16, MFB18, Mue18, MSH+15, MH17, PDG+17, POS16, RM16, RSH+17, SSL17, ST16, SCN+17, SS17a, SM16, SF15, Ter18, TM15a, WM18, WLY18, WLW+18, WLE17, WSOW16, XYPT16, YLY16, YSI17, YLA15, ZZZ17, ZHS18, ZZW+16, ZWR16, DJV+18].

*wave-based* [AMJ17, LG16].

*wave-current* [WM18].

*Wave-diffusion* [Luc15].

*wave-in-cell* [TM15a].

*wavefield* [LTXB17].

*Waveform* [NGS16, BFP18, MKYZ17, PKN17].

*waveguides* [GTL18, TRE16].

*Wavelet*

X [NLK +15, WSU +15]. X-ray [NLK +15]. XAVM [RWG18]. xylose [ASB +15].

Yang [HK16a, AZ16, ZA15b]. Yee [DPO16, NT16, dSPDH15]. yield [LK17, LEB +17]. Yin [AZ16, HK16a, ZA15b]. Yuan [YY16].
References


REFERENCES


REFERENCES

Abu-Al-Saud:2017:MLS


Akiki:2016:IBM

Amlani:2016:FBS

Asgharzadeh:2017:NKM
Hafez Asgharzadeh and Iman Borazjani. A Newton–Krylov method with an approximate analytical Jacobian for im-

**Alinovi:2018:BEM**


**Argaud:2018:SPN**


**Amore:2016:HOE**


**Abushaikha:2015:ICV**

Abgrall:2016:E


Arias:2018:PEI


Angel:2018:HOU


Abdulle:2017:TSO


Ahlfeld:2016:SSA

Akhmetgaliyev:2015:BIA


Adam:2016:AHW


Antoine:2016:HOI


Ardakani:2016:SWS


Antunes:2017:DHE

REFERENCES


Abgrall:2015:SDE


Anistratov:2017:SAN


Angelidis:2016:UCR


Abgrall:2015:LNL


Aditya:2017:HOA

Konduri Aditya and Diego A. Donzis. High-order asynchrony-tolerant finite difference schemes for partial differential equa-


REFERENCES


Arqub:2015:CPS

Ahmed:2015:CVD

Ahmed:2015:TDC

Ahmed:2017:CMF
Akkutlu:2018:MMR


Alizadehrad:2018:SDP


Abdi:2016:ECU


Averkin:2018:PEP


Aguirre:2015:UVC

REFERENCES


REFERENCES


REFERENCES


REFERENCES

Asaithambi:2017:NCF


Amano:2015:DFA


Amano:2018:GQN


Akiki:2017:PIE


Abe:2018:SND

REFERENCES

Aguilar:2017:ABS

Ackmann:2017:SGO

Arne:2015:FV

Abraham:2018:CFM

Alonso-Mallo:2016:TES
I. Alonso-Mallo and A. M. Portillo. Time exponential splitting technique for the Klein–Gordon equation with hagstrom-warburton high-order absorbing boundary conditions. *Jou-
REFERENCES

Al-Marouf:2017:VEB

Amirkulova:2015:AMS

An:2017:UDR

Anderson:2016:HOE

Aniszewski:2016:ITD
Wojciech Aniszewski. Improvements, testing and development of the ADM-τ sub-grid surface tension model for two-phase LES. *Journal of Computational Physics*, 327(??):389–415, December 15, 2016. CODEN JCTPAH. ISSN 0021-9991 (print),

Anonymous:2015:Ca

Anonymous:2015:Cb

Anonymous:2015:Cc

Anonymous:2015:Cd

Anonymous:2015:Ce
Anonymous:2015:Cf

Anonymous:2015:Cg

Anonymous:2015:Ch

Anonymous:2015:Ci

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REFERENCES

Anonymous:2017:Co

Anonymous:2017:Cp

Anonymous:2017:Cq

Anonymous:2017:Cr

Anonymous:2017:Cs

Anonymous:2017:Ct

Anonymous:2017:Cu
Anonymous. Contents. Journal of Computational Physics, 339(??):ibc, June 15, 2017. CODEN JCTPAH. ISSN 0021-
REFERENCES

Anonymous:2017:Cv

Anonymous:2017:Cw

Anonymous:2017:Cx

Anonymous:2017:Cy

Anonymous:2017:Cz

Anonymous:2017:Caa

Anonymous:2017:Cab
REFERENCES


Anonymous:2017:Cac


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Anonymous:2018:Ca
REFERENCES


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Anonymous:2018:EBf


Anonymous:2018:EBg


Anonymous:2018:EBh


Anonymous:2018:EBi


Anonymous:2018:EBj

REFERENCES


REFERENCES

144


Antunes:2017:IPT


Altsybeyev:2016:AGL


Anand:2016:EHO


Adam:2016:HOC


Acosta:2015:NMC

Sebastian Acosta, Charles Puelz, Béatrice Rivière, Daniel J. Penny, and Craig G. Rusin. Numerical method of charac-

**Ammar:2017:MTD**


**Aguerre:2018:OFF**


**Acebron:2016:MCM**


**Arjmand:2016:TDA**

REFERENCES


REFERENCES


REFERENCES


REFERENCES

[Alhubail:2016:SRB]

[Asthana:2017:CRC]

[Alekseeva:2016:HAR]

[Allen:2016:DNH]

[Adkins:2017:GCD]
REFERENCES

Aldegunde:2016:QUF


Bhrawy:2015:FSC


Bao:2016:HON


Balsara:2016:HOR


Balsara:2015:TDH


REFERENCES


REFERENCES


1. Botti:2017:MAB

2. Balin:2015:BEF

3. Buchan:2015:PRO


5. Blanes:2015:EAB
Sergio Blanes, Fernando Casas, and Ander Murua. An efficient algorithm based on splitting for the time integra-

**Bukac:2015:PSF**


**Bandara:2015:BEB**


**Babaee:2017:RBO**


**Bajars:2017:TPS**

REFERENCES


REFERENCES


REFERENCES


[BDPM18] Elie Bretin, Alexandre Danescu, José Penumbas, and Simon Masnou. Multiphase mean curvature flows with high mobility contrasts: A phase-field approach, with applications to


REFERENCES


REFERENCES


REFERENCES

[BGGM15] V. A. Bokil, N. L. Gibson, V. Gyrya, and D. A. McGe-


REFERENCES


REFERENCES


REFERENCES


Banks:2017:SPFb


Bosma:2017:MFV


Bajc:2016:MAS


Bergmann:2016:BSS


Beig:2015:MIE

REFERENCES


[BJWZ17] Weizhu Bao, Wei Jiang, Yan Wang, and Quan Zhao. A parametric finite element method for solid-state dewetting prob-

**Balsara:2016:SRM**


**Borsche:2016:HON**


**Bakhvalov:2017:MFC**


**Balsara:2017:NSA**

REFERENCES


Bao:2016:GLI


Burger:2015:DFV


Bashardanesh:2018:EGF


Bardazzi:2015:GHM


Bouffard:2017:PCM

Boscheri:2015:DAL


Blais:2016:DUC


Boedec:2017:IFB


Bian:2015:MRF


Bao:2016:MMC

REFERENCES


REFERENCES


**Bermúdez:2017:TNJ**


**Balac:2015:ESS**


**Bhattacharjee:2016:NMB**


**Burton:2018:CEC**

REFERENCES


REFERENCES


Alex H. Barnett, Bradley J. Nelson, and J. Matthew Mahoney. High-order boundary integral equation solution of


REFERENCES


REFERENCES


Bremer:2017:NPF


Brackbill:2016:EMC


Braeunig:2016:REP


Bramley:2016:OFD


Brehm:2017:CBC

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Collin:2015:LOR

Costa:2017:SOF

Capuano:2017:ERK

Cheng:2015:NST

Chen:2016:AEN
REFERENCES


[CDM18] Daniele Cerroni, Roberto Da Vià, and Sandro Manservisi. A projection method for coupling two-phase VOF and fluid


REFERENCES


**Caputo:2015:DFD**


**Carraro:2016:CVD**


**Casas:2018:ABF**


**Cheung:2017:HCA**


**Christlieb:2016:HOP**

Andrew J. Christlieb, Xiao Feng, David C. Seal, and Qi Tang. A high-order positivity-preserving single-stage single-step


**Christlieb:2016:WBM**


**Chalons:2017:ARL**


**Corrado:2015:IWC**


**Chandrasekaran:2018:MSN**


**Chabot:2018:HOD**

REFERENCES


[CGS18] Lucia Carichino, Giovanna Guidoboni, and Marcela Szopos. Energy-based operator splitting approach for the time dis-

**Calderer:2018:FSI**


**Chen:2017:DSM**


**Chatterjee:2016:NGF**


**Chan:2018:DEC**


REFERENCES

Cui:2017:SSM


Choi:2015:HSD


Charnyi:2017:CLN


Coquel:2017:PES


Castelletto:2017:MFE


REFERENCES


Xinjuan Chen and Jinglai Li. A subset multicanonical Monte Carlo method for simulating rare failure events. *Journal of Computational Physics*, 344(??):23–35, September 1, 2017. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-
REFERENCES


[CLL17] Sooyoung Choi, Changho Lee, and Deokjung Lee. Resonance treatment using pin-based pointwise energy slowing-down

**Connington:2015:IFI**


**Cui:2016:DIL**


**Crouseilles:2017:UAP**


**Cusini:2015:CPR**


Chen:2018:KPS


Chandrasekaran:2015:MSN


Cerroni:2016:PPA


Cottet:2016:SIL


Chen:2018:ESA

Corot:2018:NNS

Chiron:2018:CSF

Cimpeanu:2015:PFP

Curtis:2016:ASS

Cui:2016:SPA
214


Chiron:2018:AIA


Costa:2016:MTM


Cotter:2016:CAE


Cottet:2018:SLP


Chernyshenko:2018:HFV


REFERENCES

Cai:2016:CSL


Cakoni:2017:DIS


Coco:2018:SOF

Armando Coco and Giovanni Russo. Second order finite-difference ghost-point multigrid methods for elliptic problems with discontinuous coefficients on an arbitrary interface. Journal of Computational Physics, 361(??):299–330, May 15,
REFERENCES


REFERENCES


Cherry:2017:NMP


Comminal:2015:CCU


Collins:2016:SAN


Choi:2015:IIT

Chiapolino:2017:SDI

Campos:2015:ECG

Campos:2017:PSS

Choi:2015:MQB

Cai:2015:ALB


REFERENCES


[CWF16] Nicola Castelletto, Joshua A. White, and Massimiliano Feronato. Scalable algorithms for three-field mixed finite el-
REFERENCES


**Cui:2016:AAD**


**Chen:2015:CSA**


**Chen:2016:VVP**


**Chen:2015:MDS**


**Chen:2016:CGM**

REFERENCES


Jian Cheng, Huiqiang Yue, Shengjiao Yu, and Tiegang Liu. Analysis and development of adjoint-based h-adaptive

**Chen:2016:IMM**


**Chen:2017:IMM**


**Chen:2015:UPU**


**Chen:2017:REP**


REFERENCES


[Deckers:2016:WBM] Elke Deckers, Claus Claeys, Onur Atak, Jean-Philippe Groby, Olivier Dazel, and Wim Desmet. A wave based method to pre-

**Dorschner:2015:GAM**


**Dhia:2016:UPM**


**Delmotte:2015:GFB**


**Tejero-del-Caz:2017:IIE**


REFERENCES


Diot:2016:IRM


Deparis:2016:FBP


deFigueiredo:2017:BSI


deFrutos:2016:PMI


Degond:2017:DAH

REFERENCES


[Dhiman:2016:CDI] Isha Dhiman and Arvind Kumar Gupta. Collective dynamics of an inhomogeneous two-channel exclusion process:


REFERENCES


[DKPC15] Blaise Delmotte, Eric E. Keaveny, Franck Plouraboué, and Eric Climent. Large-scale simulation of steady and time-


Du:2018:HWR


Du:2018:TSF


delaAsuncion:2017:STG


Ding:2015:HO


delaCruz:2017:CGH

REFERENCES


REFERENCES


REFERENCES


REFERENCES

Dong:2015:CLE


Dong:2015:PFN


Dong:2017:WBM


Dong:2018:MFI1


Drozdov:2017:TME

REFERENCES


REFERENCES


Arne Van Londersele and Daniël De Zutter and Dries Vande Ginste. An in-depth stability analysis of nonuniform FDTD combined with novel local implicitization techniques. *Journal of Computational Physics*, 342(??):177–193, August 1,
Dilz:2017:DIE


Dotlic:2016:SOA


Denner:2015:NTS


Denner:2015:TDT


Duo:2018:NAF

Siwei Duo, Hans Werner van Wyk, and Yanzhi Zhang. A novel and accurate finite difference method for the fractional Laplacian and the fractional Poisson problem. *Jour-
REFERENCES

Derigs:2018:IGM


Derigs:2016:NHO


Derigs:2017:NAT


Deck:2018:RLN

Du:2015:FMG


Denner:2018:PBA


Diaz:2016:EDS


Du:2017:FAI


Dhakal:2016:MPM

Duan:2016:SAM


Darvish:2018:OHC


El-Ajou:2015:AAS


Escribano:2015:MTS


Ellison:2015:CSI

C. L. Ellison, J. W. Burby, and H. Qin. Comment on “Symplectic integration of magnetic systems”: a proof that the Boris algorithm is not variational. *Journal of Computational Physics*, 301(??):489–493, November 15, 2015. CODEN: JCTPAH. ISSN: 0021-9991 (print), 1090-2716 (elec-
REFERENCES


REFERENCES


Engquist:2017:SIS


Engquist:2015:FSM


Eslaminia:2016:DSP


Egan:2017:GDM


Escalante:2018:GMB

Eca:2014:PEN


Eca:2015:RCP


Endeve:2015:BPD


Esmaily:2018:SGM


REFERENCES


REFERENCES


REFERENCES

Falissard:2017:CLG


Fan:2016:SUC


Fattah:2016:PGQ


Fleckenstein:2015:VFB


Fakhari:2017:DIM


REFERENCES


REFERENCES


Farina:2015:RSC


Fedeli:2017:CSP


Ferrer:2017:IPS


Flyer:2016:RPR


Franceschini:2016:NLA

REFERENCES


REFERENCES


**Fillion-Gourdeau:2016:GMU**


**Feng:2018:MCA**


**Faugeras:2017:FBC**


**Fu:2016:FHO**

REFERENCES


REFERENCES


REFERENCES


REFERENCES


[FPT17]


[FPT17]


[FPT17]


[FPT17]

REFERENCES


REFERENCES


[Feng:2015:SOP]


[Gorji:2015:VRF]


[Gambaruto:2015:CHS]


[Ganesan:2015:SID]


[Gagarina:2016:VST]
REFERENCES

Guiraldello:2018:MRC


Galitzine:2015:APN


Galitzine:2015:ACD


Golbert:2015:SMS


Golbert:2016:CSM

REFERENCES

Goffin:2015:GBA


Godoy:2017:DNF


Georges:2016:GCC


Garain:2015:CCF

REFERENCES


REFERENCES


**[Gao:2015:GMF]**


**[Ghigo:2017:NMM]**


**[Gibou:2018:RLS]**


**[Gorgizadeh:2018:ECC]**

Guo:2016:HRS


Gimenez:2015:EVL


Gjennestad:2017:CTD


Gordon:2015:CHO


Guillen-Gonzalez:2018:UES


REFERENCES

Greengard:2015:ELM

Gordon:2015:AFP

Guan:2016:ESH

Gamba:2015:SMK

Ghosh:2017:CIE
- Karabi Ghosh. Comments on “Including the effects of temperature-dependent opacities in the implicit Monte Carlo


[GKE15] M. E. Gruber, C. Koenen, and T. F. Eibert. A Fast Fourier Transform accelerated Ewald summation technique for the vec-

**Gelss:2017:NNI**


**Grote:2017:TDW**


**Gourgoulias:2017:ICQ**


**Gyrya:2017:AOM**


**Goza:2016:ACS**

Andres Goza, Sebastian Liska, Benjamin Morley, and Tim Colonius. Accurate computation of surface stresses and forces


REFERENCES


Glasner:2016:IAC


Garrick:2017:FVH


Gaudreault:2016:EET


Guermond:2016:FEA


Guyenne:2016:OEM

Gallinato:2017:SSO


Gardas:2018:CDQ


Guittet:2017:VIA


Geier:2017:PCLa


Geier:2017:PCLb

REFERENCES

Ginzburg:2015:TET


Gamba:2018:GPA


Grigoriu:2015:PMS


Gonzalez-Rodriguez:2015:LEI


Goshayeshi:2015:DSH


Gao:2015:TPC

Guang-Hua Gao and Hai-Wei Sun. Three-point combined compact difference schemes for time-fractional advection-

[GR15] [GR18] [Gri15] [GRMK15] [GRS15] [GS15a]
REFERENCES


REFERENCES


REFERENCES


[GWK16] Gregor J. Gassner, Andrew R. Winters, and David A. Kopriva. Split form nodal discontinuous Galerkin schemes with...

**Gong:2017:CFP**


**Guo:2015:EUE**


**Guo:2017:SIS**


**Guo:2015:PPH**

REFERENCES


Gao:2016:TOS


Huang:2016:SLF


Hanasoge:2016:SSC


Hadjidoukas:2015:HPC


Huang:2015:CFS


REFERENCES


REFERENCES

Haverkort:2016:IFV

Huang:2018:FPO

Hamilton:2015:ESS

Hamilton:2016:HZP

Hay:2015:HAT
A. Hay, S. Etienne, D. Pelletier, and A. Garon. hp-adaptive time integration based on the BDF for viscous flows. *Journal of Computational Physics*, 291(??):151–176, June 15,
REFERENCES


Hermeline:2016:DMR


Heuze:2017:LWT


Hank:2017:MHN


Hampton:2018:PEB


He:2017:SIM

REFERENCES


REFERENCES


REFERENCES


Wei-Fan Hu, Ming-Chih Lai, Yunchang Seol, and Yuan-Nan Young. Vesicle electrohydrodynamic simulations by coupling immersed boundary and immersed interface method. *Journal of Computational Physics*, 317(??):66–81, July 15,


J. A. K. Horwitz and A. Mani. Accurate calculation of Stokes drag for point-particle tracking in two-way coupled


REFERENCES


Helmich-Paris:2016:IMA


Ha:2018:GAS


Heumann:2017:FEM


Hansel:2018:FCT


Halpern:2016:GCT


REFERENCES


[HW16c] Rongzong Huang and Huiying Wu. Total enthalpy-based lattice Boltzmann method with adaptive mesh refinement for solid-liquid phase change. *Journal of Computational
REFERENCES

Huang:2018:LBM


Hu:2015:ELD


Hwang:2016:MMT


Han:2016:IFE


He:2016:NSM


REFERENCES


REFERENCES


[Ig]  Shin ichi Iga. An equatorially enhanced grid with smooth resolution distribution generated by a spring dynamics method. Journal of Computational Physics, 330(??):794–809, February 1, 2017. CODEN: JCTPAH. ISSN 0021-9991 (print),
Ikeno:2018:SBT


Imazawa:2015:MMS


Ivey:2015:AIN


Irfan:2017:FTM


Ivey:2017:CBV

REFERENCES


[ISP+15] Lucian Itu, Puneet Sharma, Tiziano Passerini, Ali Kamen, Constantin Suciu, and Dorin Comaniciu. A parameter esti-
Iwaski:2015:MDE


Jackson:2017:FNS


Jackson:2017:EAW


Javaloyes:2015:RCS


Jofre:2015:PLB

REFERENCES


Josey:2016:WMC


Jansen:2018:TCC


Jakeman:2015:EIM


Josey:2017:HOM

REFERENCES


REFERENCES

Jin:2017:APS

Jiang:2018:MRM

JLC15

Jin:2017:NEC

JLLZ15


Jung:2015:TDC


Joshi:2016:DAP


Jamshidian:2016:MCF


Jakeman:2015:EAS


Jia:2015:FFD

Jinhong Jia and Hong Wang. Fast finite difference methods for space-fractional diffusion equations with fractional

**[Jia:2015:PFF]**


**[Jia:2016:FFV]**


**[Jiao:2016:WCF]**


**[Jiang:2015:MMS]**


**[Jiang:2017:DDM]**

REFERENCES


Jin:2015:APM


Jiang:2016:KSS


Ji:2018:FHO


Kew:2015:NEG


Kaya:2015:FDAa


Kawazura:2018:HGI


Kursawe:2017:IIC


Kou:2015:FRA


Kampmann:2015:PEC


Kong:2017:SAF


Kidder:2017:STB


Kochunas:2017:FAI


Krank:2017:HOS

REFERENCES


**Kitamura:2017:SPS**


**Krattiger:2018:GBM**


**Ku:2016:NHL**


**Kunz:2016:IOD**


**Karniadakis:2015:SIF**

REFERENCES


[KKS15] Rei Kawashima, Kimiya Komurasaki, and Tony Schönherr. A hyperbolic-equation system approach for magnetized electron fluids in quasi-neutral plasmas. *Journal of Com-
putational Physics, 284(??):59–69, March 1, 2015. CO-
DEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-
article/pii/S0021999114008419.

flux-splitting method for hyperbolic-equation system of mag-
etized electron fluids in quasi-neutral plasmas. Journal of
Computational Physics, 310(??):202–212, April 1, 2016. CO-
DEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-
article/pii/S0021999116000073.

optimization with limited sensing ability. Journal of Com-
putational Physics, 299(??):887–901, October 15, 2015. CO-
DEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-
article/pii/S0021999115004829.

DGFEM approach for the Boltzmann radiation transport equa-
tion with local angular refinement. Journal of Computa-
tional Physics, 297(??):637–668, September 15, 2015. CO-
DEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-
article/pii/S0021999115003654.

Carlo k-eigenvalue simulations with CMFD feedback. Journal of Computa-
tional Physics, 321(??):947–964, September 15, 2016. CO-
DEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-
science/article/pii/S0021999116302273.

[Karagiannis:2017:BCC] Georgios Karagiannis and Guang Lin. On the Bayesian cal-
ibration of computer model mixtures through experimental


**[KLC18]** Woojin Kim, Injae Lee, and Haechoon Choi. A weak-coupling immersed boundary method for fluid-structure interaction with low density ratio of solid to fluid. *Journal of Computational Physics*, 359(??):296–311, April 15,


Jihoe Kwon and J. J. Monaghan. A novel SPH method for sedimentation in a turbulent fluid. *Journal of Comp-


Markus Kästner, Philipp Metsch, and René de Borst. Isogeometric analysis of the Cahn–Hilliard equation — a convergence study. *Journal of Computational Physics*, 305(??):360–371,


REFERENCES

Kirchhart:2017:SFV


Korn:2017:FUG


Koutsourelakis:2016:VBS


Kim:2015:LBM


Knaus:2015:CAF


Kornet:2015:MSD

[KP15c] Kacper Kornet and Alban Pothérat. A method for spectral DNS of low Rm channel flows based on the least dissipative
Kavvadias:2015:PTG


Kabacaoglu:2018:LRS


King:2017:SVP


Katsoulakis:2017:SI


Kompenhans:2016:ASH

Moritz Kompenhans, Gonzalo Rubio, Esteban Ferrer, and Eusebio Valero. Adaptation strategies for high order discontinuous Galerkin methods based on Tau-estimation. *Journal of...


Konakli:2016:PMM


Kou:2016:MSD


Kuwata:2016:ICG


Kuhnlein:2017:UMF


Kilian:2018:SIM

Patrick Kilian and Felix Spanier. Simulating the injection of magnetized plasma without electromagnetic precursor wave. *Journal of Computational Physics*, 353(??):258–263, January
REFERENCES


REFERENCES


REFERENCES


REFERENCES

See corrigendum [KYW+18].


REFERENCES

369


REFERENCES


<table>
<thead>
<tr>
<th>Reference</th>
<th>Authors</th>
<th>Title</th>
<th>Journal of Computational Physics, Volume:Page (Year)</th>
<th>doi</th>
</tr>
</thead>
</table>


REFERENCES


REFERENCES


LaGrone:2016:DAB


Lang:2017:EBI


Liu:2017:ATG


Liu:2018:AMM


REFERENCES


REFERENCES


Long:2017:ABG


Liu:2017:TEA


Lv:2015:EBD


Li:2017:HOS


Liao:2016:ESA

REFERENCES


Liu:2016:SOC


Liu:2018:SAH


Liu:2016:WEW


Ling:2016:MLS


Li:2015:PTM

REFERENCES


[LKK17a] Seungjoon Lee, Ioannis G. Kevrekidis, and George Em Karniadakis. A general CFD framework for fault-resilient simulations based on multi-resolution information fusion. *Journ-


REFERENCES

Lai:2016:LDM


Li:2016:IBLb


Liao:2016:RBA


Bris:2017:ECA


Lester:2018:FPG


Liang:2015:NSD


Li:2016:SOT


LeToure:2015:MMM


Luu:2017:NMR


Laboure:2016:IFH

REFERENCES


REFERENCES


REFERENCES

Lotfi:2018:CER


Lozano:2017:MSB


Lejay:2016:SDP


Liu:2016:AED


Luo:2017:AMB

Luo:2017:PPH


Lenarda:2017:PCA


Lockerby:2015:ACH


Lee:2018:DCP


Lepilliez:2016:TPF


REFERENCES


Lv:2016:ERS


Lee:2015:FSO


Landry:2016:RMM


Laadhari:2017:FIM


Lind:2016:ICF

REFERENCES


Yong Liu, Chi-Wang Shu, and Mengping Zhang. Entropy stable high order discontinuous Galerkin methods for ideal
References


Uğis Lacis, Kunihiko Taira, and Shervin Bagheri. A stable fluid-structure-interaction solver for low-density rigid bod-


REFERENCES


REFERENCES

Li:2017:TEH


Li:2017:HON


Liu:2017:AHO


Liu:2017:FES


Lee:2018:EGM


Lu:2015:CER


Liu:2016:MSP


Liu:2016:HPD


Liu:2016:CPF


Lu:2016:SPS


REFERENCES


Xuliang Liu, Shuhai Zhang, Hanxin Zhang, and Chi-Wang Shu. A new class of central compact schemes with spectral-like resolution II: Hybrid weighted nonlinear schemes. *Journal of Computational Physics*, 284(??):133–154, March 1,
REFERENCES


Mahady:2015:VFM

Massimo:2016:CTE

Martins:2017:CCL

Mattsson:2017:DNU

Muller:2015:HO


REFERENCES


REFERENCES


Mohamad:2016:PDS

Michels:2015:SAA

Matheou:2016:SEL

Macías-Díaz:2017:SPM
Macias-Diaz:2018:DCM


Michel-Dansac:2017:WBS


Moghaderi:2017:SAM


McCormquadale:2015:HOF


Marrone:2016:CSP

REFERENCES

Mengaldo:2015:DTH


Mengaldo:2018:SEA


Moguen:2015:GTS


Moon:2016:SEG


Manzini:2016:LFS

G. Manzini, G. L. Delzanno, J. Vencels, and S. Markidis. A Legendre–Fourier spectral method with exact conserva-
REFERENCES

421


Mistani:2018:IDM


Mirzadeh:2016:PLS


Matous:2017:RPN


Maltba:2018:NPM


Munoz:2017:HFP

Meng:2018:NEF


Misev:2018:SDO


Misztal:2015:DAL


Ma:2016:RPI


Meng:2015:BDE

Miao:2017:CTD


Mohamed:2016:DEC


Meyers:2015:NDE


Marti:2016:FSM


Miquel:2017:HCF

REFERENCES

Markl:2015:FSN


Mao:2017:FBE


Meena:2017:PPH


Munk:2017:TOM


Malovichko:2017:ASA

REFERENCES


[MM16d] Balaji Muralidharan and Suresh Menon. A high-order adaptive Cartesian cut-cell method for simulation of compress-


REFERENCES


[MMW15] Kei W. Müller, Christoph Meier, and Wolfgang A. Wall. Resolution of sub-element length scales in Brownian dy-namics simulations of biopolymer networks with geometri-cally exact beam finite elements. *Journal of Computa-
REFERENCES

Mattsson:2004:SPO


Mazaheri:2015:ISO


Mazaheri:2016:EHO


Michael:2016:HFN


Mudunuru:2016:EMP

M. K. Mudunuru and K. B. Nakshatrala. On enforcing maximum principles and achieving element-wise species balance for


REFERENCES


Marchetti:2016:HEH


Mashayekhi:2016:NSD


Murali:2016:NMB


Mehlmann:2017:FEM


Machac:2016:EDS

REFERENCES


REFERENCES

Mao:2016:ESG

Margheri:2016:HAA

Mitchell:2017:GTI

Moura:2016:LEA

Meierbachtol:2017:EPC
Collin S. Meierbachtol, Daniil Svyatskiy, Gian Luca Delzanno, Louis J. Vernon, and J. David Moulton. An electrostatic Particle-In-Cell code on multi-block structured meshes. *Journal of Computational Physics*, 350(??):796–823, December 1,


REFERENCES

Moura:2015:LDD


Moura:2016:EAS


Mishra:2016:MLM


Matveev:2015:FNM


Mittal:2016:CMC


"..."
REFERENCES

Physics, 305(??):1065–1082, January 15, 2016. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).


REFERENCES


<table>
<thead>
<tr>
<th>References</th>
<th>Authors</th>
<th>Title</th>
<th>Journal</th>
<th>Volume</th>
<th>Issue</th>
<th>Pages</th>
<th>Year</th>
<th>DOI</th>
</tr>
</thead>
</table>


Andreas Nold, Benjamin D. Goddard, Peter Yatsyshin, Nikos Savva, and Serafin Kalliadasis. Pseudospectral methods for


Nelson:2015:DFL


Nangia:2017:MCV


Nguyen:2017:NSC


Nguyen:2015:CSR

REFERENCES


REFERENCES 453


Norgaard:2016:TOU


Nair:2015:VCI


Nuter:2016:SNC


Nejadmalayeri:2015:PAW


Nordstrom:2015:VRT

[NW15] Jan Nordström and Markus Wahlsten. Variance reduction through robust design of boundary conditions for stochas-


REFERENCES


A. R. Owens, J. Kópházi, and M. D. Eaton. Optimal trace inequality constants for interior penalty discontinuous Galerkin discretisations of elliptic operators using arbitrary


Ostilla-Monico:2015:MRS


Orley:2015:CEB


Opper:2017:ERE


Oberman:2015:FSH


OSullivan:2015:CHO


Ozbenli:2017:HOA


Oud:2016:FCM


Oguic:2015:PMC


Owens:2016:DIA


Owhadi:2017:GOC

REFERENCES


.Powell:2015:EGR


.Patkar:2016:TPP


.Panagiotou:2015:LNS


.Park:2015:MFS


.Park:2017:PAM

Parent:2018:PPD

Pasquetti:2016:CSI

Philip:2015:PMD

Piao:2015:IFB

Pont:2017:MCH
[PBC+17] Grégoire Pont, Pierre Brenner, Paola Cinnella, Bruno Maugars, and Jean-Christophe Robinet. Multiple-correction hybrid $k$-exact schemes for high-order compressible RANS–LES


Hossein Pourmatin and Kaushik Dayal. Multiscale real-space quantum-mechanical tight-binding calculations of electronic

**Parish:2017:DSS**


**Pan:2017:POU**


**Phillips:2017:ETE**


**Pazzona:2015:IAM**

REFERENCES


References


Picot:2018:RDS


Pan:2018:DFM


Peng:2018:DNS


Plestenjak:2015:SCM


Peluchon:2017:RIE


[pHzSrC15] Zhao peng Hao, Zhi zhong Sun, and Wan rong Cao. A fourth-order approximation of fractional derivatives with its applications. *Journal of Computational Physics*, 281(??):787–805, January 15, 2015. CODEN JCTPAH. ISSN 0021-9991 (print),
REFERENCES

Pinaud:2015:ALD


Park:2016:ESV


Pandy:2016:ICB


Park:2016:HMD


Pardo:2017:CNL

REFERENCES


Xiangfan Piao, Philsu Kim, and Dojin Kim. One-step $L(\alpha)$-stable temporal integration for the backward semi-Lagrangian

**Pan:2016:DMP**


**Pan:2017:FDM**


**Park:2017:MAL**


**Pakravan:2017:GNF**

References

Pan:2017:MEF


Peherstorfer:2017:CMS


Pandare:2016:HRD


Patel:2016:NSS


Petkova:2018:FAV

Maya A. Petkova, Guillaume Laibe, and Ian A. Bondell. Fast and accurate Voronoi density gridding from Lagrangian hydrodynamics data. *Journal of Computational Physics*, 353(??):300–315, January 15, 2018. CO-
REFERENCES


Pan:2018:EMP


Pan:2018:HOT

[PLHA18] Shucheng Pan, Xiuxiu Lyu, Xiangyu Y. Hu, and Niko-laus A. Adams. High-order time-marching reinitializa-
tion for regional level-set functions. *Journal of Compu-
tational Physics*, 354(??):311–319, February 1, 2018. CO-

Pal:2015:SBC

[PLL+15a] Souvik Pal, Chuanjin Lan, Zhen Li, E. Daniel Hirle-
man, and Yanbao Ma. Symmetry boundary condition in dissipative particle dynamics. *Journal of Compu-

Peng:2015:BIE


Petras:2018:RFC

**REFERENCES**


REFERENCES


Patel:2018:DI


Pettersson:2016:WPS


Popinet:2015:QAM


Petersson:2016:DSP


Pazner:2017:SPF

REFERENCES


[PQR17] Giuseppe Pitton, Annalisa Quaini, and Gianluigi Rozza. Computational reduction strategies for the detection of

Pathak:2016:FEV


Pathak:2016:TDV


Petras:2016:PMS


Pasquetti:2017:CVF


Pathak:2016:AFV


Potz:2017:SCF


Papoutsakis:2018:EAM


Perrin:2017:NPT


Pratapa:2016:AAJ

Pantano:2017:OFS


Petropavlovsky:2017:NDT


Portman:2017:SAV


Peles:2018:AMM


Pierro:2018:SFP

Petropavlovsky:2018:MBE


Parker:2015:CPA


Posa:2017:ARL


Palamara:2015:EAG


Parussini:2017:MFG

REFERENCES


REFERENCES

Pan:2017:HOS


Pan:2015:IAB


Podvigina:2016:CLM


Pan:2015:DFI


Quaife:2016:ATS


 REFERENCES

Qu:2018:IBF


Qin:2016:BPD


Qiao:2017:ADT


Qiu:2015:TGB


Romick:2017:HOS

Ragusa:2015:DFE


Ramis:2017:ODL


Rodrigues:2015:SIF


Ranocha:2018:GSP


Ruiz-Baier:2015:PMF

Roberts:2018:MID


Reynolds:2017:OSR


Rodriguez:2015:FES


Raeli:2018:FDM


Ramaswamy:2015:HPM

REFERENCES


 REFERENCES


REFERENCES

-Ray:2018:ANN


-Renaud:2018:DGM


-Rossinelli:2015:MIM


-Ricchiuto:2015:ERB


-Raissi:2018:HPM


REFERENCES


REFERENCES


REFERENCES


Rao:2015:NSE


Rolland:2015:SBA


Rao:2016:TPA


Rapaka:2016:IBM


Reeve:2017:ECM

REFERENCES


REFERENCES


[Rua18] Xinran Ruan. A normalized gradient flow method with attractive-repulsive splitting for computing ground states of Bose–Einstein condensates with higher-order interaction. *Journal of Computational Physics*, 367(??):374–390, August 15,
REFERENCES


Reuther:2016:ITP


Rosenthal:2017:DD


Rahimian:2015:BIM


Rauschenberger:2015:DNS


Rauschenberger:2015:VFM


Xiaodong Ren, Kun Xu, Wei Shyy, and Chunwei Gu. A multi-dimensional high-order discontinuous Galerkin method based on gas kinetic theory for viscous flow computations. *Journal of Computational Physics*, 292(??):176–193, July 1,
Ran:2018:GBA


Rosatti:2015:MTB


Reiter:2017:MDB


Rundell:2018:RUS


Soghrati:2015:HIE

Soheil Soghrati and Hossein Ahmadian. 3D hierarchical interface-enriched finite element method: Implementation and applications. *Journal of Computational Physics*, 299
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Sommer:2015:CDC


Strobl:2016:ECO


Shashkin:2016:CCS


Soize:2016:DDP


Soize:2017:PCR


REFERENCES


Schneider:2015:SAN


Stotsky:2016:VVD


Shu:2016:HOW


Spietz:2017:IBP


Spietz:2018:RMS

REFERENCES


[Sun:2015:APUa]


[Sun:2015:MUG]


[Shevchenko:2015:ABC]


[Sun:2015:NSH]

Subbareddy:2017:SCB


Schwarz:2015:TDS


Schwarz:2016:IBM


Smolarkiewicz:2017:FVM


Shiroto:2017:FVC


Stupfel:2016:OWD


Su:2016:EDP


Schroeder:2017:SDF


Semplice:2018:AMR


Slattery:2016:MFD

Shinde:2016:GFM

Schneider:2018:EBS

Shin:2016:FSO

Shin:2017:USM

Sorgentone:2015:NHO
Chiara Sorgentone, Cristina La Cognata, and Jan Nordström. A new high order energy and enstrophy conserving


Shamasundar:2016:IAM


Siguenza:2016:VIT


Spellings:2017:GAD


Sabzikar:2015:TFC


Sharan:2018:MSB


[SMS16] D. Serson, J. R. Meneghini, and S. J. Sherwin. Velocity-correction schemes for the incompressible Navier–Stokes equa-

**Song:2018:SBM**


**Shah:2016:MRS**


**Sato:2015:DML**


**Samaras:2015:URL**

REFERENCES


REFERENCES


Smith:2016:RLN


Stokes:2015:ENS


Salinas:2018:DCV


Srinivasan:2018:PPH


Serkh:2016:SEP

Subramaniam:2018:PVI


Shams:2018:NMT


Samake:2017:PIL


Santilli:2015:SOM


Shao:2015:CDS

REFERENCES


[S17c] Marek Strumik and Krzysztof Stasiewicz. Multidimensional Hall magnetohydrodynamics with isotropic or anisotropic

Subber:2018:PTI


Solomenko:2017:LSM


Shadid:2016:SFS


Safta:2015:HDC


REFERENCES


[ST15] Amit Singh and Ellad B. Tadmor. Thermal parameter identification for non-Fourier heat transfer from molecular dynam-

**Sainath:2016:FWA**


**Shamshirgar:2017:SEM**


**Sarna:2018:ESH**


**Siegel:2018:LTS**


**Sorgentone:2018:HAB**

[ST18c] Chiara Sorgentone and Anna-Karin Tornberg. A highly accurate boundary integral equation method for surfactant-laden

**Schaefer:2017:SGA**


**Silva:2017:LHO**


**Sarkar:2017:EOP**


**Stiller:2016:RMH**


Christopher J. Subich. A robust moving mesh method for spectral collocation solutions of time-dependent partial differential


REFERENCES


Shen:2015:RHO


Shaw:2017:CMM


Shaw:2017:MML


Scovazzi:2017:AVN

REFERENCES


[SWZ17] Xiao-Xing Su, Yue-Sheng Wang, and Chuanzeng Zhang. A matrix-exponential decomposition based time-domain method for calculating the defect states of scalar waves in two-dimensional periodic structures. *Journal of Computational...
REFERENCES


Song:2015:SDS


Shin:2016:NOS


Savard:2015:CES


Shen:2018:SAV


Sheng:2016:NNF

REFERENCES


[Simmons:2017:FVM] Alex Simmons, Qianqian Yang, and Timothy Moroney. A finite volume method for two-sided fractional diffusion


Szmelter:2015:UMA


Shi:2016:SEM


Santillana:2016:ENE


Tugnoli:2017:LAA


Tene:2016:AMM

REFERENCES


REFERENCES


[TBOM16] M. F. Tomé, J. Bertoco, C. M. Oishi, M. S. B. Araújo, D. Cruz, F. T. Pinho, and M. Vynnycky. A finite differ-

**Taitano:2015:CECa**


**Thuburn:2015:PDM**


**Towne:2015:OWS**


**Turkoz:2015:ASP**


REFERENCES

**Turner:2016:VER**


**Taitano:2017:EPD**


**Taitano:2015:MME**


**Tavelli:2016:SST**


**Trehan:2016:TPQ**

[TD16b] Sumeet Trehan and Louis J. Durlofsky. Trajectory piecewise quadratic reduced-order model for subsurface flow, with ap-


REFERENCES


Tierens:2016:HOH


Terashima:2012:ASG


Tauriello:2015:CSP


Terashima:2015:CAS


Turinsky:2016:MSC

REFERENCES


REFERENCES


Thirard:2017:WSM


Tricco:2016:CHD


Taverniers:2016:CTC


Trstanova:2017:ESA


Treysede:2016:SEC

REFERENCES


Tobon:2015:NED


Tredak:2016:EIM


Torrilhon:2017:HBS


Tsalamengas:2015:QRW


Tsalamengas:2016:GJQ

Tang:2017:DGM


Tramm:2017:RRM


Tayebi:2017:MMS


Thiele:2016:BCA


Tsoutsanis:2018:EBL

REFERENCES


Turrell:2015:SCI


Troshin:2016:POD


Thompson:2015:SNA


Tipireddy:2017:BAD


Tokareva:2016:FSM


**Taverniers:2017:IPU**


**Taverniers:2017:TCD**


**Togo:2016:SCT**


**Todarello:2016:FVG**


REFERENCES


Ueckermann:2016:HDG


Ullmann:2016:PGR


Uber:2017:ANS


Vabishchevich:2015:NSE


Vabishchevich:2018:TLS


REFERENCES

Vidal-Codina:2018:HDG

Vidal-Codina:2018:CPS

Vo:2016:RKP

vandenBos:2017:NIU

vanderKaap:2016:MPK
REFERENCES


REFERENCES


REFERENCES


Wirasaet:2015:ABL


Wolf:2016:PCM


Wang:2017:IBM


Wilkening:2015:ASN


Wang:2015:SII

REFERENCES


[Wang:2015:SCD] Chengjie Wang and Jeff D. Eldredge. Strongly coupled dynamics of fluids and rigid-body systems with the im-

**Webb:2014:SIM**


**Wendt:2015:PCS**


**Wright:2017:SCF**


**Winters:2015:CTE**

REFERENCES


REFERENCES


REFERENCES

Wasserman:2016:PPI


Watanabe:2017:GER


Watvisave:2015:HMD


Wang:2015:DGR


Wang:2015:ARF

Winges:2016:HOB


Wang:2016:CHOa


Wang:2016:CHOb


Wu:2018:CMS


Wang:2017:CHO

Wiens:2015:EPI


Woods:2015:VFD


Weatheritt:2016:NEA


Wu:2017:USG


Weyens:2017:PNC

REFERENCES


REFERENCES


James Williams, L. Bruno Tremblay, and Jean-François Lemieux. The effects of plastic waves on the numerical convergence of the viscous-plastic and elastic-viscous-plastic sea-ice


REFERENCES


Wang:2017:FCM


Wang:2018:FFE


Winterneyer:2017:ESN


Waluga:2016:MCC


Weinmuller:2017:PAS

REFERENCES


Hong Wang and Xuhao Zhang. A high-accuracy preserving spectral Galerkin method for the Dirichlet boundary-value


[XDvW17] Cheng-Nian Xiao, Fabian Denner, and Berend G. M. van Wachem. Fully-coupled pressure-based finite-volume framework for the simulation of fluid flows at all speeds in complex...


Jianlin Xia, Zhilin Li, and Xin Ye. Effective matrix-free preconditioning for the augmented immersed interface method.
Xuan:2018:PVE


Xing:2017:PNM


Xu:2015:CJC


Xiong:2017:HUH


Xu:2017:MEL

Yuanwei Xu and P. Mark Rodger. MBAR-enhanced lattice Monte Carlo simulation of the effect of helices on membrane protein aggregation. *Journal of Computational Physi...


Xiao:2015:RVM


Xia:2016:AHF


Xiao:2016:QRM


Xu:2017:ETD


Xie:2016:MMC

REFERENCES


REFERENCES


[Yan16b] Xiaofeng Yang. Linear, first and second-order, unconditionally energy stable numerical schemes for the phase

Yano:2017:FAC


Yasuda:2017:MCS


Yousefzadeh:2017:PBH


Yan:2015:MCM


Youuni:2016:AFC

Amina Younsi and Alain Cartalade. On anisotropy function in crystal growth simulations using Lattice Boltzmann equation. *Journal of Computational Physics*, 325(??):1–21, November 15, 2016. CODEN JCTPAH. ISSN 0021-9991 (print),
Yamaleev:2017:FFO


Yan:2015:ASM


Yang:2015:HOC


Yuan:2017:FEB


Yang:2018:MFI

Zhiguo Yang and Suchuan Dong. Multiphase flows of \(N\) immiscible incompressible fluids: An outflow/open boundary condition and algorithm. Journal of Computational
REFERENCES


REFERENCES


H. Ye, F. Liu, and V. Anh. Compact difference scheme for distributed-order time-fractional diffusion-wave equation on bounded domains. *Journal of Computational
Yang:2016:ESH


Yoon:2015:AFD


Yang:2017:ERJ


Yao:2017:NMO


Yoon:2017:CER

[YM17c] Gangjoon Yoon and Chohong Min. Comparison of eigenvalue ratios in artificial boundary perturbation and Jacobi preconditioning for solving Poisson equation. *Journal of Computational Physics*, 349(??):1–10, November 15, 2017. COD-


REFERENCES


REFERENCES


Yang:2016:HSC


Ying:2015:NFE


Yu:2016:ELB


Yang:2016:MFS

Ye:2016:GCC


Yang:2016:SNE


Yu:2017:NAP


Yan:2016:OSG


Yang:2018:DSR

REFERENCES

625


Yang:2017:FEM


Yaji:2016:TOT


Yang:2018:BST


Yang:2017:NAM


Yang:2018:IMF

REFERENCES


Zauner:2016:AFF


Zhang:2015:NSP


Zheng:2018:FVA


Zhao:2017:GFE


Zhang:2015:VIR

Jianping Zhang and Ke Chen. Variational image registration by a total fractional-order variation model. *Journal of


REFERENCES

Zentner:2016:BDI


Zhang:2015:CFT


Zhang:2017:CSV


Zhang:2018:FDS


Zheng:2016:AEA

REFERENCES


[Zha17c] Xiangxiong Zhang. On positivity-preserving high order discontinuous Galerkin schemes for compressible Navier–Stokes


REFERENCES


[ZK15] Mohsen Zayernouri and George Em Karniadakis. Fractional spectral collocation methods for linear and nonlinear variable

**Zhang:2015:FSM**


**Zhang:2015:ITD**


**Zhang:2015:SEH**


**Zhou:2015:NTD**


**Zhao:2018:ALC**

[ZLC+18] Lifei Zhao, Zhen Li, Bruce Caswell, Jie Ouyang, and George Em Karniadakis. Active learning of constitutive


Zhang:2016:GSS


Zhang:2017:ENP


Zheng:2017:NST


Zhu:2017:MFS


Zhang:2015:FDM

REFERENCES

Zayernouri:2016:FAB


Zheng:2016:MCB


Zhang:2018:GAI


Zandi:2015:SAA


Zwanenburg:2016:EBE

REFERENCES

Zepeda-Nunez:2016:MPT


Zhou:2015:WDL


Zohdi:2017:CME


Zahr:2016:AMH


Zimon:2016:ENR

Zheng:2016:DSH


Zhu:2016:NFO


Zhu:2017:NTO


Zhou:2015:LBS


Ziegelwanger:2017:PMM


REFERENCES


REFERENCES


REFERENCES


References


REFERENCES


Zhang:2018:NSP


Zhang:2018:NSP


Zhang:2017:IMP


Zhao:2015:SOA

[ZZT+16] Beibei Zhu, Ruili Zhang, Yifa Tang, Xiongbiao Tu, and Yue Zhao. Splitting $K$-symplectic methods for non-canonical


