Title word cross-reference

\((2 + 1)\) \([\text{PS17}]\), \(\left(\frac{d^2}{dx^2} - h^2\right)\) \([\text{Kas15}]\), \(\langle S_N \rangle\) \([\text{OWKE16}]\), \(0\) \([\text{TCS16a}]\), \(1\) \([\text{ALTR17, BK17c, CSK}^+16, \text{JKE}^+17, \text{Nor15, VLP}^+16, \text{XQ17, YC17, ZGJ16}]\), \(13\) \([\text{SGP17b}]\), \(2\) \([\text{BK17c, BT16, BC16c, CGK17, CZ17, CSK}^+16, \text{FNGV18, GFL17, GHL}^+16, \text{Hu17, IG15, LMPS15, LM15a, LGB17, LYT}^+15, \text{LY16a, LGD17, PG17, PMGW16, QDH15, RLP16, SCS16, TCS16a, WY17, XDSX17, ZND16, ZJ18, ZZW}^+16]\), \(3\) \([\text{AG16, ACS16, BHZ16, BGV17, BDK}^+17, \text{BS15a, BSM16, BC16c, CSS17, CDL17, CCZC16, CZ16, CX16, CSK}^+16, \text{DBD}^+17, \text{DS15a, DWG16, DF16, Dd17, DD16b, FDS}^+15, \text{FGLB16, GBM16, HWH}^+16, \text{JBC15, KE15, KC17c, KFW17, LFRH17, LMPS15, LM15a, LGB17, LYT}^+15, \text{LY16a, LGD17, PG17, PMGW16, QDH15, RLP16, SCS16, TCS16a, WY17, XDSX17, ZND16, ZJ18, ZZW}^+16]\), \(4\) \([\text{MCHL16}]\), \(2\) \([\text{RKO}^+17b]\), \(\beta\) \([\text{CS16a, OLHD17}]\), \(C\) \([\text{KD17b}]\), \(C^1\) \([\text{KS16a}]\), \(\delta f\) \([\text{SP16c, SPCH16}]\), \(\ell_1\) \([\text{JES15}]\), \(f\) \([\text{Ido16, KYPK15}]\), \(h\) \([\text{BCB17, JKE}^+17, \text{TXKvdV16}]\), \(hp\)
HEPG15, HZ15, MSP15. K
ZZT+16, HY16, KL16, KFL17, LZB+17, PBC+17, tL [LT17c]. L2 [FSB16].
l1 [PHD16]. LU [RTV17]. R [diHC16]. H [CDC17]. N
[Don15b, Don17, PF15], nth [FYZ+15], O(N) [CV16b, XL17b]. w [LZB+17].
p [FSWW17, HZ15, SS17b, TABR17]. PN [Her16, LMH16, ZM16b]. II
[HAPK15]. PN [HE15]. r [BRW15, DTA+15, VW16]. S [PKLS17]. SN
[SWG+17]. t [GWE+15]. τ [Ani16]. θ [GCVCHH18, KTK15]. φ [DTA+15].
y = F(y; τ) [JFS17].

-Adaptive [HEPG15, BRW15, TXKvdV16, TABR17]. -adaptivity
[Sto16, WSH+17, CCZC16, FGLB16, JKE+17, JBO15, LM15a, LST+15,
Nor15, YC17]. -eigenvalue [KL16, KFL17]. -exact [HY16, PBC+17]. -grids
[KDD17b]. -isothermal [TXKvdV15]. -Laplacian [FSWW17]. -matrix
[CDC17]. -method [GCVCHH18]. -minimization [JES15, PHD16].
-multigrid [BCB17]. -order [FYZ+15]. -parameters [PKLS17].
-version [HZ15]. -version/ [HZ15].

0012 [FW17].

148 [CNG17]. 199 [MN17].

2 [FNGV18]. 229 [Dav15]. 230 [Gho17, HSK+15]. 231 [TK15b]. 259
[BR16]. 2nd [Cac15a, Cac15b]. 2nd-ASAM [Cac15a, Cac15b].

307 [KYW+18]. 344 [SWMD17a]. 348 [HGN17a].

4U [HAPK15].

ABCD [PD15]. ability [KKZ15]. above [GP16b]. Absorbing
[Pin15, SK15a, AMP16, GGT15, LH16, SJH+15, VAD17]. absorption
[DCA+16, WWRS17]. accelerate [BT17a, PKW17]. Accelerated
[CMR+16, AC17, CWM+16, CRZ17, GKE15, HPY18, JTD16, RGW16,
SMAG17, VWV17, WLI]. Accelerating [Gen15, SLR+16, XSS15].
Acceleration [BPF+16, HLQ16, SAOW17, WB16, AJW17, BBBG15,
CLGA17, DMAM15, Fon16, PSP16, SWG+17, YXD+16, MAM16].
accelerator [TC15a, TK15]. acceptance [PDS15]. account
[LYDB17, SSL+16a]. accounting [Noe15]. accumulation [HMBH15].
Accuracy
[CNG99, CSB15, GDS+16, GR15, Nis15, NL17, Pei16, BK17a, CBB16,
CNG17, CSK+16, DBZ17, Fau17, FFBB16, FYO+15, GH17a, GO16, KDF15,
KGS17, LS16a, MA16, MSH+15, OMLdL16, SM16, Sla16, TLR16, WZ15].
Accuracy-preserving [Nis15, NL17]. Accurate
[CCZC16, CLvS17, EMZ16, GLMC16, HM16b, IM15, RCRF16, WCL15, AD15, AASR17, ANL+16, BZ16a, BXY17, BOA17, Bat17, BST15, BDZ15, CKT17, CYS17, CD17, CG16, CLMZ17, DS15b, DVP+16, DY17, DL16, GPS17a, GPS17b, JL16, KTN15, ILLNS16, LY16c, LDHJ15, MA17, MBHS17, MPFL16, OLDN17, OS15a, OT15, OV17, PXXL16, PLB18, RT16, RSD17, STHW17, Say17a, Say17b, STG17, SCS16, TST+15, WR15, WT15, XX17, Yan17, ZMF15, ZL15b, ZGD+16]. achieving [MN16c].

Acoustic [AN15, APKP16, BLS16, CCZ15, CLQ17, DBD+17, GHH+16, HLL+16, IML15, KZR15, LB16, LMM17, MBJ16, MBNJ16, MKYZ17, MSS16, PGM17, RZ17, RRD16, SZW+16, TP17, VAD17, ZGD+16, bWAW15, dFGS+17, tEDKT17]. acoustic-convective [tEDKT17]. acoustic-transport [PGM17]. acoustics [SK15a, ZR17]. acoustic transport [PGM17].

Adaptation [KRFV16, BOA17, BD16, DLK17, FBG15, GCVMK15, GSN17, HK15b, KLA17, SW15, TST17, TVB+16, TG17, WBBCC16]. adapted [BWR15, DBMB15, Rag15, RHvR+15, SL17]. Adaptive [ABP+16, BV15, BDM17, BS15b, CEH16, FPASS16, GBvZB16, HEPG15, HXB15, LW17a, LH17b, LNM15, MG17, MBKK17, PS16, PR17b, QB16, RKO+17b, SS15a, TCA16, TWH15, VN15, ZAK15, ZLH+17, ZH15, AMS17, AWS16, AC17, BGS16, BHL15, BST15, BRW15, CPV16, CC17a, CQ15, CS16c, CTG16, CYWL17, DS16, DMS17, DS15d, EL17, FO15, FGLW18, FBM16, FLHA17, FC16, GB15a, GTG15, HS17b, HIN+16, HHLY17, HY16, HYL17, Hu17, HW16c, HC18, IGQ15, JW15a, KCW17, KG15, KDPI5, LS16a, LL15, LZW+17, LZT17, MBSS15, MNG15a, MMSS15, MGBG16, MW17b, MSB+16, MM16d, NVBV15, Pop15, PVB17, QLF16, RDG17, RDM15, RS15b, SRBO17, SWS16, SWHV16, SC16, TCS16a, TXKvdV16, TL15, TABR17, URL16, WDG+17, WDS15, WBM15a, dLAC17, BDV17, WSJY16]. adaptively [TR17]. adaptivity [APP+16, BHZ16, GBD+15, JKE+17, OKWE17, WKOE17]. added
advection-diffusion
[BTVC16, JZ16].

advection-diffusion-reaction [BTVC16, JZ16].

advection-dispersion
[BTVC16, JZ16].

advection
[TSH17, TAR17, YWHP15, ZJL16].
GB15b, HD15, HW16b, JPLL15, KS16a, KMDb16, KSV+15, KFL17, KD17b, Krii17, Lap16, LT15, LDL+16, Lia16, DV17, LBB+17, MBJ16, MBNJ16, MHGM+15, MDDM17, MTL+17, MF16b, MSP15, MSP16, NW17, NF17, OWKE16, PXXZ15, Par17, Pei16, PZF16, QS16, RWKW16, SSM+17, SW17b, SPB16, TCA16, TST+15, VPM15, VPV+17, WHCN17, ZMF15, ZZW+16.

analytic [LGB17]. Analytical [QWXZ17, SWML17, AB17, ALTR17, CZ16, DF16, EAM15, FKF17, LC18, LC17a, MD15, MTD15, TM15b].

analytically [RRM+16], analyze [UG16].

Anatomically [ANL+16].

anchored [MS16b]. anchored-ANOVA [MS16b]. Anderson [AJW17, PS16]. anelastic [SHLG15]. aneurysms [YPK16]. angle [CHE+17, Don17, Gau15, Hig17, KL15, TSW15]. angles [HKS+16]. Angular [DL15, ABP+16, BCG+15, GBD+15, JST17, KL15, MFG15, OWKE16, ZM16b]. Anisotropic [BD16, BDB17, DPK17, BJWZ17, BOA17, CPV16, CSG17, Chnu17, FBG15, GMP16, GFG+15, GH17a, HHA16, MDT16, PS15b, RMA17, SAEF17, SS17c, TW17, TMT17, TTN+16, ZSW17, vEKdB16].

anisotropy [YC16]. annual [MBJ16, MBNJ16]. annuli [MF16b].

anomalies [NMM17, PKLS17]. anomalous [ADHN15, GBU15, MP15a].


Application [APP+16, AS17, AP16, Bal15, CC17a, CGM15, EG17, GPS17b, GCVCH18, HHC15, KSV+15, LSLA16, MM116, MG15b, MB15, NOM+17, NMM15, OS16, SRBO17, SZ15a, SIH16, SIH17, TCD17, Tav16, VALT16, Zau16, ASB+15, AJW17, BSCK17, BLG+16, BTA17, BZ16b, Cac15b, CP16, Cot16, DS16, DL17, DAO17, DS15d, FBL17, FPT17, GWC17, HKH+16, HTMP17, IPSG15, KG15, KFHWK17, Liu16, LEB+17, MRA16, MKYZ17, MP16, MSP15, NMM16, RXS16, SDMS17, SWS17, SW17b, TD16b, Vog17, WY17, WSK+15, WB17, WSKSS15, XYP+17, YR15, YS17, ZM16a, BD15b, HTBG15, NMM17].

Applications [Chnu17, KKL15, KHPO15, MM16c, NFG15, PQR17, TBG16, TCS+16b, ACCCDA16, ALKZ16, AAD16, AdS+15, CCK+17, CBN+16, DDJ17, DLD15, DDY+15, DY17, DZ16, FK17, GBR15, GFO18, HWW+16, pHZSrC15, JL15, Jnu15, KADE15, KADE17, LB17, MWD16, MW16b, MS17, NF16, Ram17, RG15, Ray17a, Saj17b, SA15, Spec15, SCLG15, TP17, YNW17, YL16, ZzSK15, ZPE+16]. applied [BC16a, DCP15, DZ16, DGL+15, GBD+15, LML+16, NRZS17, PBA+15, PA15, SWPS17, WS16, ZCHS15, dFVJ15].

Approach [TK12, TK15b, ADGF17, AMJ17, AS17, AR16b, AM+15, AM17b, BVM+17a, BB17, BSM16, CNOS15, CJO16, CFPB17, CN16, CGJ16, DvBN16, EO15, EZG16, Eut18, EE16, FG16, FK16, FFJT16, GL15, GWE+15, GPG17, HB16, JH17, KD17a, KKS15, KM16b, KP15b, KL15, KW16, KV16, LSWF16, LZ15a, LO16, LMSK17, MVKD15, MRP+15, MN16a, MRN16, MD15, MWB+15a, MWB+15b, NJPB17, OS16, OB17, PMS15, PHO+16, PHRA16, PE15, RFGSV15, RT16, RO16, RS16a, Ric15, RSD17, STEK17,
SKS17, SZ15a, SXY18, SLB+16, SDFA17, SWHV16, SMOM+17, SP15b, SV17, SIX16, Tav15, TT17b, TAJ+17, TABR17, Ves17, WLL16, WT16, XYPT16, XWW+16, YL16, ZL15b, ZCL17, dJRP+15, tEDKT17.

approaches [LL17, CFG16, CPSF17, MMPS17, SGA+15, YGEM17].

Approach [EAA15, KKL17, MKYZ17, Ama15, AB17, BSWG15, CLY+15, LQT+15, MM16a, WHL17, WSN+15, WLK+16]. approximated [LDGH16].

Approximate [EAAM15, KKLS17, MKYZ17, Ama15, AB17, BSWG15, CLY+15, LZT+15, MM16a, WHL17, WSN+15, WLK+16]. approximated [LDGH16].

Approximating [CFO18].

Approximation [ABM16, BC16b, CT15, KK17a, LB15, OS16, ALKZ16, AEL+15a, AEL+15b, BDKK17, BA15, BZ15, BKXR16, CQ15, CSL15, CLP16a, Cot16, DCB15, DZC16, EMZ16, pHZSrC15, HW16, Jou15, KZ15, LTKA15, LLY15, LZ17a, LLNS16, LLVF+15, LY17, LHW+17, LYPP17, MN15, MW16b, MT17, MWB+15b, NSB15, OLD+16, OKE17, Rag15, SWMD17a, SWMD17b, Spe15, SGT16, SGT17, TCS17, TKF17, WHL17, XX16, XX17, ZSW17, tTP16, ABM16].

Arbitrarily [LW17d, GLS15, GBS15, OLV16, TCS16a, TSN+16].

Arbitrary [BMR+16, BLD15, BD17, CNG99, WW15, ADGN16, BS15b, CG17, CJL16, CYL+16, CE17, CCG17, DL15, DY16, DF16, GTG15, GL17, HL16a, JH17, KTN15, LL16b, LTR16, L16a, LHW+17, LYPP17, MN15, MW16b, MT17, MWB+15b, NSB15, OLD+16, OKE17, Rag15, SWMD17a, SWMD17b, Spe15, SGT16, SGT17, TCS17, TKF17, WHL17, XX16, XX17, ZSW17, tTP16, ABM16].

Arbitrary-Lagrangian [BLD15, BD17].

arbitrary-order [CCGH17, JH17]. arc [Par15]. arc-like [Par15].


Arrow-Hurwicz [DFM17].

arterial [DH16]. arteries [GDFL17, GFL17, YPK16].

Arterial [Rod17, WBM+15b, CJD+17, DR21, FRRV16, HIN+16, HP17, Str17, Y16, FBC+16].

ASNAM [Cac15a, Cac15b]. aspect [Sti16]. aspects [PM16, TC15a, TK15]. ashphaltense [ELH+16]. Assessment [XW1+16, HBC+16]. assimilation [ADP+16, FDS+15, GS15c, GM16, KYO15, MP17, MCGS16, NP16, RS16a, RVMR17, SD17, SWHV16, SS15, YNW17]. associated [AAP17, OvdHV16].

astrophysics [KFF+17, T16].

Asymptotic [BLMY17, CwYjS16, DD17b, DMTB15, JXZ15, MC15, SM15, BLS16, BT16, CX15, CDV17, HW15b, JLQ15, JL17c, JS17, L17a, SJX15, SJXL15, TW17, WY16, XLQ15, ZL16, DDD17]. Asymptotic-Preserving [DD17b, JXZ15, BT16, CDV17, HW15b, JL17c, JS17, WY16, DDD17].

Asymptotically [NMM16]. Asymptotics [LLS15]. Asynchronous [LPBR15, SGL17, AM17a]. asynchrony [AD17]. asynchrony-tolerant [AD17].

atmospheric [AZ16, FL16, KG15, KS17, MM16c, SY16, SWMD17a, SWMD17b, SDH+16].

blocking [LH15]. blocky [SSL17]. blood
[APR15, BB17, GZM17, GDFL17, GFL17, MB15, MLB16, ZZDB15]. blow
[GY15]. blow-up [GY15]. bodies
[BHST17, BHST17b, CGRV17, LTB16a, LC17a, MM16d, NJPB17, PR16a,
QYF15, RW15a, RXS16, SGMS16, TOR15, dTP16]. body
[ABT17, BOA17, LC15, PLWJ16, Say17a, Say17b, SD15, STKH15, TRM16,
WG16a, WE15, YXF16, YDCK16, ZJ18]. body-fitted [BOA17, ZJ18].
body-force [WG16a]. body-forces [YDCK16]. Bohm [MP15b]. boiling
[JS16, SN15, VALT16]. Boltzmann
[GBCF16, GSS15b, AS16, APT17, AJVH17, BWR15, BTVB15, BAR15,
CT15, CVG18, CLM15, CSB15, CYWL17, DLRN18, DCBK15, Eva18,
FGL16, FB17, FBL17, FKF17, GPS17a, GPS17b, GR15, GBCF15, GW16,
HK15a, HLML17, HW15b, HLU15, HHJ16, HY15, HY15, HW15c, HHY16,
HW16c, HW16b, HW18, Hwa16, JSY15, KGT15, KP15a, KL15, KS15b,
KS16d, LMP15, LFDP16, LL16b, Li17, LDWZ15, LWB16, LXSC16,
LM15d, MG17, MK15, MHGM15, MKV17, NSL16, Ols15, PL16b,
PMGW16, PF16, RS15a, RTO15, STW16, Shi17, STG17, TS17, WSY15,
WSHT15, WSY16, WGME17, WZR15, WZL17, Xie15, XJ16, YFKS15,
YY16, YC16, ZLJ16, ZYW16, YZ17, ZQCT15, ZWG17].
Boltzmann-BGK [Eva18, HHY15]. Boltzmann/Finite [GSS15b]. Bond
[TRM16]. bookkeeping [HB15b]. boosted [YXD16]. Boris
[EBQ15, WSR15]. Born [OLV16]. Bose [ALT17]. bottleneck [OZ17].
bounce [Ols15]. bounce-back [Ols15]. bouncing [GP17b]. Bound
[EHXM15, QSY16]. Bound-preserving [EHXM15, QSY16]. boundaries
[AB17, BLS16, FB17, GSN16, JFY15, LH16, LSLA16, MAK15, YM17b,
YTW15]. Boundary [BCD15, BCO15, BDG17, BAR15, DDK15, GZ17,
GBS15, HY15, KZ15, Pan15, PF16, RVZB15, SGT17, TSN16, TBL15,
WS16, AR16a, ABN15, AB16a, AMS15, AMP16, ACS16, AR16b, BBKS16,
BK16, BXY17, BNM15, BBF16, BNS17, BPTA16, BG16a, BH15, BZ16,
CDL17, Cha16, CYWL17, DDJ18, DGHP17, DSH16, Dod17, Don15a,
DS15c, Don17, Fat15, FH17, FG16, FPDT17, FN17, GP17, GGT15, GLMC16,
GC17, GVTQ16, HL15a, HP17, HR17, HHK16, HLY15, HLSY16, HHY15,
HY15, Huy15, IK15, JS16, JL17a, JW15b, JSY15, KDF15, KLS15,
KADE15, KHHN16, LTBI16a, LC15, LEEK17, LXC15, LFDP16, LBZA16,
LCK16, LZ17b, LC17b, LD15, LH17, LHP17, LYP17, Lox17, LFT16,
LHA16a, MK15, MAP17, MA17, MP15b, Nis15, NL18, NW15, Ols15, PHHA15,
PL15a, PHHR17, PPLC16, PCN15b, PLL15a, Pes15]. boundary
[PE16b, PMF15, PDRB17, PGH15, PV17, RS16b, RDG17, RZ17, SS17a,
SWS17, SL17, SK15, SKF16, SHKL16, SK15a, SMA16, STG17, SML15,
SMOM17, SGT16, SHP16, SCLG15, Stu15, SJ15, TCD17, TP17,
TT16, Tsa15, Tsa16, TKF17, Vai15, VAD17, WG16a, WZ15, WE15,
WCH17, WS15a, WBM15b, WGME17, XY17, YK15, YS15, YM17c, YZZ15,
ZL15a, ZB15, Zha16, ZY17, ZSX17, ZLL17b, ZH16, dTP16, SCS16, SIX16].
boundary-constraint [XY17]. Boundary-Lattice
boundary-layer [NL18]. boundary-value [WZ15]. bounded
[BLS16, Don17, IM17b, JHPAT17, KBR17, LI15, NGY+17, YLA15].
Boundedness [HDA+18, SKC17]. Boundedness-preserving [HDA+18].
bounds [MM15]. Boussinesq [UL16, ZA15a]. boxes [SS17b]. Braginskii
[MP16]. brain [TT17a]. branches [XL17b]. breaking [AW16, FKR16].
breathing [MCHL16]. brick [WR16]. brick-tetrahedron [WR16].
bridging [DPW+15, SDJU15]. brief [Shu16]. Brinkman
[GX15, HKLW15, LPB17, STG17, SHW17]. broadband [JB15]. broad-area
[JB15]. broadband [ZZH16]. broadening [DJD+17, JDFS16]. Brownian
[BT17a, MMW15, SPRW15]. bubbles [HTBG15, KZR15, SKF16, WB17].
built [TBG16]. built-in [TBG16]. bulk [COV18, PK17, ZV16]. bulk-surface
[BV18]. buoyancy [LT15]. Burgers [EAAM15, MK17, dHC16]. burning
[SNB+15]. BVD [SIX16]. bypass [BFI+16]. bypassing [CPT16].

C [SRB O17]. CAF [GBR15]. Cahn
[HTMP17, CS16c, DD16a, GX15, HW15a, KS16a, KMdB16, KJYC17, LJJ15,
LC17a, Tav16, WX17, ZSX17, ZYCK15]. calculate [WT16]. calculating
[DB16a, SWZ17]. calculation [AAL5, CLY+15, CHE+17, For16, GZ18,
HS17a, HM16b, Mac15, QM16, SY17, SFP16, Yan17]. calculations
[ADFG17, EHH14, EH15, GLZ16, HED+16, KK16, LK17, LLVF+15, LY16d,
LY17, MJ16, MPD+15, PDdG+17, PUA+15, PD16b, RO16, WKSS15, XS15,
ZJLC15, ZLH+17]. calculus [CC17c, MHS16, SMC15, VBL+16]. Calderón
[DDV+15]. calibrate [LSWF16]. calibration [FOF15, KL17a, NHM17].
Can [WDG+17]. Canonical
[CQL+17, LBZ16, KS16b, RBD17, ZZH16, ZHT+16]. capabilities
[AKZ16, PJE+16, SSC+16, SP16b]. capability [MMPS17]. capillary
[DvW15a, HM16a, LMS17, LT15, MC17, SP1+17, TBL15, ZJ17b].
capule [BLI17]. capturing [BJ15, GHR17, JSS15, JLC15, KYV+16,
KYW+18, KLWQ17, PSS17, SP15b, WL17, XX17]. Caputo [DZC16].
carbon [GGL+17]. carbuncle [Rod17]. cardiac [MSV+16, VLP+16].
cardiology [PQR17]. Carlo
[BC16b, Gho17, Mac16, AR16a, BTA17, CSS15, Cha16, CL17, CG15,
CHE+17, Cos16, DPW+15, DG16c, EAR15, EN17, FDK17, GB15b,
GMS16, Gen11, GDS+16, GJ15, GBS15, Hig17, HC17, HMGR16, ION+17,
KM17, KL16, KC17b, KK17b, LS15a, LBTCG16, LYCC17, LB17, LXL17,
MNO+17, MZTS16, M666, PJE+16, PUA+15, PDS15, RKB15, SY17,
TS15, WBC+16, WL16, ZJ15, XR17, YC15, YAS17, ZLJ16, Zil15, vdKK16].
carrier [vdKK16]. carriers [SU15]. cartesian
[FGLW18, ACS16, Cai16, CXL16, DDJ18, DM16, GP17, HS17b, LPW15,
LGB17, MM16d, QDRB15, QLF16, STK+16, SLY16, Sti16, dB16].
cascade [SFT16]. cascades [FBL17]. cascadic [PHHR17]. case
[BHZ16, FNGV18, VSM16a, VSM16b, WLE17, ZR17]. CASL [TK16].
Cauchy [LY16a, MST15, PZF16]. cavitating [ESHA16]. cavitating [OPHA15, PS14, PS15]. cavitating [HK16b, LGO17, PLL15b, UWH17]. cavity [EN17, GKE15]. CCH [BMCK15]. CCS [SFT16]. CCS-RG [SFT16]. Cell [CLMZ17, DFS16, TMT17, AR16b, BTGM17, Bat17, BMRA+15, BDZ15, BLC+17, Bra16a, BMCK15, CHJT17, CGP16, DM16, DL15, DL16, FGLW18, FLW16, FS17b, GBM16, GFA+16, GH17b, GPG17, HWH+16, HXLL15, JST17, KHTZA16, KBF17, Lap17, LPW15, LYZ15, LY15b, LSD+17, LSTkM15, MNNi16, MHZ+15, MM16d, NRSi17, PxsR17, PE16a, PHÖ+16, PMF15, SGMS16, SSM15, SCLG15, SPCH16, dCPDC+17, TM15a, VSM16a, VSM16b, WCCB16, YXD+16, ZXD17, DDD17, MNO+17, MSD+17].
cell-based [KBF17]. Cell-centered [TMT17, BDZ15, BMCK15, CHJT17, CGP16, DL15, FGLW18, FLW16, GBM16, LYZ15, LY15b, LSTkM15, VSM16a, VSM16b, ZXD17].
cell-centred [Bat17]. cells [DF16, HXLL15, HGR16, XL16]. cellular [BB17, DMS17].
cellular-scale [BB17]. Cellwise [SFT16].

Cellwise [CSH15].

central [IDSG15, LN15, LZZS15, LMKS15, TLQ15, TLQ16, TK17, TK15b, XL16]. central-upwind [LMKS15].

Certified [SFDE15].

characterization [AABD15, A APB17, DKTH15, SNB+15].

Characteristics [CH17, SFDE15].

chemical [BWR15, DEZ16, EGG+15, FRW16, MTK+16, SPB17, VBG+17a, WHCN17].

Charge-and-energy [TC15a, TKC15]. charge-conservative [NOM+17].

Charge [TC15a, TKC15, AP16, GZ17, MVL16, NOM+17, RMC15, SU15, vDKK16].

Charge [TC15a, TKC15, AP16, GZ17, MVL16, NOM+17, RMC15, SU15, vDKK16].

Chebyshev [Fal17, HB15a, JB15, Kas15, KJK16, LB15, MJ17, Moo17, O’S15b, PBKK17, PKA+16, VK16]. Chebyshev-like [Fal17, LB15].

chemical [BWR15, DEZ16, EGG+15, FRW16, MTK+16, SPB17, VBG+17a, WHCN17].

Chebyshev [Fal17, HB15a, JB15, Kas15, KJK16, LB15, MJ17, Moo17, O’S15b, PBKK17, PKA+16, VK16]. Chebyshev-like [Fal17, LB15].

chemical [BWR15, DEZ16, EGG+15, FRW16, MTK+16, SPB17, VBG+17a, WHCN17].

Chebyshev [Fal17, HB15a, JB15, Kas15, KJK16, LB15, MJ17, Moo17, O’S15b, PBKK17, PKA+16, VK16]. Chebyshev-like [Fal17, LB15].

chemical [BWR15, DEZ16, EGG+15, FRW16, MTK+16, SPB17, VBG+17a, WHCN17].
Comparing

Comparison

Compatible

Comparisons

Compatible

Complete

Complex

Complexity

Complexity-bottleneck

Complexly

Component

Componentwise

Composite

Compositional

Compound

Comprehensive

Compressible

Compression

Compressive

Computation

Computationally

Computations

Computable

Computer

Computers
[AEL+15a, APP+16, AEL+15b]. controllable [ZZH16]. controlled
[EMSS17, MRP+15, PD15]. Controlling [ZV16]. convection
[BLC+17, BGM16, Cai15, CHY16, Cui15, HY15, HHY16, JJ17, Kay15,
KS15a, Lap16, LP16b, Liu16, LFT+16, PKLC16, PKLC17, RTO15, SGN16,
SL17, Shu16, WLM15, WB17, WSF17]. convection-diffusion
[Cui15, HY15, HHY16, LP16b, LFT+16]. convection-diffusion-reaction
[JJ17, KS15a]. convection-dominated [Shu16, WB17]. convection-diusion
[BLC+17, BGM16, Cai16, CHY16, Cui15, HY15, HHY16, JJ17, Kay15,
KS15a, Lap16, LP16b, Liu16, LFT+16, PKLC16, PKLC17, RTO15, SGN16,
SL17, Shu16, WLM15, WB17, WSF17]. convection-diusion-reaction
[NK17+17, OS15a, OL15, Sva15]. conformation [IG15, JLKF17]. Convex
[GZ18, DF16, EEG+15, IM15, JW16, LM15b, LHGF16, SLL16, SLL17].
convexity [DRP+16, GO16]. Convolution [SS17a, VGF16]. convolutional
[SF15]. convolutions [Han16]. Cook [ZYCK15]. coordinate
[BDV17, PX15, SMS16]. coordinates [CX16, EHX15, EGG+15, FRW16,
HB15a, LBZ16, OvdiHV16, PS15b, TLH15, TVB+16, VBL+16]. coplanar
[KW15b]. copolymer [CYS17]. core [CPSF17, Cos16, HBC+16]. Coriolis
[SD16]. Corner [DBZ17, BMCK15, ZFZL15]. Corner-corrected [DBZ17].
corner-free [ZFZL15]. corners [DCCC16, SR16, Tsa16]. corona
[VBG+17a]. coronary [VGF16]. Correcting [BH16b]. Correction
[Kat16, AMN18, BG16a, CLX15, CCGH17, DRP+16, DvW15b, DS15c,
GLTB18, GXX17, HX16, HDA+18, HLQ16, JLC15, JLKF17, KW15a, KS16d,
PK16, PBC+17, ROS16, RS17, SMS16, SM16, SW15, WMYG16, BK17a].
correction/finite [KW15a]. corrections [WWR16]. corrector
[BK16a, PHRA16]. correlated [Zau16]. correlation [AKZ16, LT17b].
correlators [BP+16]. Correspondence [Moc17]. corresponding [STR15].
Corrigendum [ASS17, BR16, CNG17, Dav15, GBCF16, HGN17a, KYW+18,
MN17, PS15a, SWMD17a, SYV17, TK15b]. corrosion [JS16]. CORS
[ZD15a]. cosmic [BP+16]. cosmological [SPM+15]. Cosserat [AMM+15].
cost [CCBdL15, LY15c]. Couette [JL16]. Coulomb [PHKH15, TSR15, YC15].
count [HSF17]. counter [ZW15]. counter-intuitive [ZW15]. counterpart
[SPPR15]. Coupled [BLS16, FKDL17, RTG15, AEL+15a, AEL+15b,
AEL+17, BK16b, Bu16, BKR15, CWF16, CY17, CO18, CF17,
CM15, GW18, DMAM15, DPRZ17, GDS+16, GC17, HGN17a, HG17b,
HM16b, JTR16, JGS16, LMKS15, LY16c, LHW+17, LRG18, MMN16,
MRP+15, MG15b, MNO+17, MMMS15, MKV+17, PF16, QYF15, RR16,
SM17, SMOM+17, SF16, TH18, TPT16, TT17b, TC15d, VLP+16, WE15,
WED15, XDvW17, YS15, ZL15b, ZSX17, MHL17]. Coupling
[CFG16, JH15, LB17, MNG15a, MDL16, MTZ16, Wic16, ALKZ16, BCD+15,
BRK17, DKPC15, ED16, FH17, FHE15, HBC+16, HG17, HLSY16, ID17,
LPB17, LMC16, LPBR15, PCN15a, PHÖ+16, PAL+16, PWP15, PME+15,
TKB$^{+15}$, TAJ$^{+17}$, WWR$^{16}$, WPB$^{15}$, WED$^{15}$, XYF$^{+17}$, ZRE$^{16}$, dSPDH$^{15}$]. covariation [BCSK$^{17}$, ZKS$^{+15}$]. covariances [FDS$^{+15}$, ZH$^{15}$]. covered [ELH$^{+16}$]. covering [PLWJ$^{16}$]. CPR [CLNH$^{15}$]. CPR-MS [CLNH$^{15}$]. cracks [Par$^{15}$, Par$^{17}$]. Crank [FBF$^{15}$, HYL$^{17}$]. Creating [RRM$^{+16}$, Zau$^{16}$]. creeping [PZNG$^{15}$, PGCG$^{18}$]. crisis [GPS$^{17b}$]. criteria [GKRB$^{17}$]. criterion [KTK$^{15}$, RMP$^{18}$, TZ$^{16}$]. CRKSPH [FRO$^{17}$]. cross [ABT$^{16}$, CV$^{16b}$, Doid$^{17}$, JD$^{+17}$, JDFS$^{16}$, KFL$^{17}$, LMGG$^{17}$]. cross-section [ABT$^{16}$]. cross-sections [LMGG$^{17}$]. crystal [DBD$^{+17}$, GHL$^{+16}$, SLL$^{16}$, YH$^{17}$, YC$^{16}$]. crystals [CSG$^{17}$, KLWQ$^{17}$, NWZ$^{18}$, PD$^{16b}$, ZYSW$^{16}$, ZZ$^{+16}$]. Cubature [PR$^{17a}$, LTXB$^{17}$, vdBK$^{17}$]. cubed [IDSG$^{15}$, KC$^{17a}$, YP$^{17}$]. cubed-sphere [IDSG$^{15}$, KC$^{17a}$]. Cubic [LFR$^{17}$, LT$^{17b}$, LY$^{15c}$, LY$^{17}$, PK$^{17}$, SL$^{15}$, ZYW$^{16}$]. cubic-quintic [ZYW$^{16}$]. cumulant [GPS$^{17a}$, GPS$^{17b}$]. cumulative [Hig$^{17}$]. cure [Rod$^{17}$]. curl [DGL$^{+15}$]. curl-curl [DGL$^{+15}$]. Current [MSV$^{+16}$, BGV$^{17}$, BCB$^{15}$, CCZ$^{15}$, KE$^{15}$, MTD$^{15}$, RBGV$^{15}$, dSPDH$^{15}$]. current-driven [CCZ$^{15}$]. currents [AAL$^{15}$, PK$^{17}$]. Curvature [LHA$^{16a}$, AZ$^{17}$, CRMP$^{16}$, CG$^{16}$, EdvW$^{17}$, IM$^{15}$, LAA$^{16}$, OD$^{15}$, Vog$^{17}$]. Curvature-Augmented [Vog$^{17}$]. curvature-inducing [LAA$^{16}$]. curved [CE$^{17}$, Chu$^{17}$, FB$^{17}$, FP$^{16}$, GSN$^{16}$, HHY$^{16}$, LD$^{15}$, NN$^{11}$, Pas$^{16}$, RRD$^{16}$, ZL$^{15b}$, Zha$^{16}$]. curves [Wal$^{16}$]. curvilinear [AB$^{17}$, BDV$^{17}$, BC$^{16c}$, CC$^{16a}$, CTG$^{16}$, CX$^{16}$, EHXM$^{15}$, JG$^{15}$, PS$^{15b}$, TLR$^{16}$, WR$^{15}$, WWGK$^{17}$]. Cut [ÖPHA$^{15}$, DM$^{16}$, GEZK$^{16}$, LSD$^{+17}$, MM$^{16d}$, PHÖ$^{+16}$, SGMS$^{16}$]. cut-cell [LSD$^{+17}$, MM$^{16d}$, PHÖ$^{+16}$, SGMS$^{16}$]. Cut-element [ÖPHA$^{15}$]. cut-stencil [GEZK$^{16}$]. CVD [AEL$^{+17}$]. cycle [SPP$^{+16a}$]. cycling [SPCH$^{16}$]. cylinders [BPGS$^{16}$]. cylindrical [KS$^{15b}$, OVP$^{15}$, OvdHVH$^{16}$, SCQP$^{16}$, TLH$^{15}$]. cylindrically [MTD$^{15}$, MDT$^{16}$].

D [CZ$^{17}$, CSK$^{+16}$, DWGW$^{16}$, PS$^{17}$, Sto$^{16}$, TCS$^{16a}$, TRL$^{15}$, VLP$^{+16}$, WSH$^{+17}$, ZJS$^{15}$, AG$^{16}$, ACS$^{16}$, ALT$^{17}$, BHZ$^{16}$, BK$^{17c}$, BGV$^{17}$, BDK$^{+17}$, BS$^{15a}$, BT$^{16}$, BSM$^{16}$, BC$^{16c}$, CDL$^{17}$, CG$^{17}$, CCZ$^{16}$, CZ$^{16}$, CX$^{16}$, CSK$^{+16}$, DBD$^{+17}$, DF$^{16}$, Dod$^{17}$, DD$^{16b}$, FDS$^{+15}$, FNGV$^{18}$, FGLB$^{16}$, GBM$^{16}$, GFL$^{17}$, GHL$^{+16}$, HWH$^{+16}$, Hu$^{17}$, IG$^{15}$, JKE$^{+17}$, JBOLO$^{15}$, KE$^{15}$, KC$^{17c}$, KFKW$^{17}$, LMP$^{15}$, LM$^{15a}$, LFR$^{17}$, LML$^{+16}$, LGB$^{17}$, LHMB$^{16}$, LZ$^{17a}$, LTZ$^{+15}$, LY$^{16a}$, LGD$^{17}$, MKYZ$^{17}$, MG$^{15b}$, MC$^{15}$, MF$^{16a}$, MW$^{17b}$, No$^{15}$, Nor$^{15}$, PG$^{17}$, PCGCG$^{18}$, PK$^{17}$, PR$^{16a}$, PMGW$^{16}$, QDH$^{15}$, RLP$^{16}$, SNSG$^{16}$, SFT$^{16}$, SCS$^{16}$, SA$^{15}$, SSL$^{+16}$, TCD$^{17}$, TCL$^{15}$, VLP$^{+16}$, WY$^{17}$, WXW$^{15}$, WSU$^{+15}$, XDSX$^{17}$, XQ$^{17}$, YC$^{17}$, YSWS$^{16}$, YTW$^{15}$, YXD$^{+16}$, YPK$^{16}$, ZND$^{16}$, ZGJ$^{16}$, ZZZ$^{16}$, ZJS$^{18}$, ZJ$^{18}$, ZVO$^{15}$, ZYCK$^{15}$, ZZ$^{+16}$, dBIM$^{16}$, dJRP$^{+15}$]. D- [TCS$^{16a}$]. D-VAR [FDS$^{+15}$]. D/ [CSK$^{+16}$]. Damage [CF$^{15}$, BHJ$^{15}$, HMBH$^{15}$]. damped [CZW$^{17}$, YJ$^{17}$, DFM$^{17}$]. damping [HSC$^{16}$, NNW$^{17}$]. Darcy [AEL$^{+17}$, MTZ$^{16}$, Noe$^{15}$, STG$^{17}$, XML$^{17}$].
Darcy-flux [AEL+17]. d’Arolla [AS17]. Data
[LK17, SG16, ACC+15, ADP+17, AAPB17, BGG16, BHIJ15, CR17, CCM15, GS15c, GM16, GBvZB16, IPSG15, KL17a, KYUOU15, KZG16, LW15a, LZB+17, LBB+17, MM15, MP17, MCGS16, NKN+17, PPCK17, PD16a, PLB18, PND16, PFK17a, RSI6a, RRM+16, RVMR17, STHW17, SWS17, SD17, Sla16, SWHV16, SSN15, TBLM15, XWW+16, YNW17, ZZ17a, ZWB+18].


decentered [Fal15]. Decomposition [JHPAT17, AH15, AABD15, AA15, BBB15, BLK15, DA17, DGL+15, ETAG15, FHA17a, GFW16, HLS15, JX17, LH15, LLS15, LYA16, LMGG17, MBST17, MCS16, PLL15b, RO16, RTV17, RB17, SL16b, SWZ17, TCA16, Tav16, TT17b, TST17, TSST16, VSM17, WH16b, ZFPB16, ZYCK15].


density [GS16, AKZ16, BEM+17, BEJ15, BC16b, Cai16, CZL+15, CVK16, CDV17, DLY17, FB17, HW18, KP15a, LMHI6, LT16a, LT17b, NGY+17, NSK+16, PLB18, RFCSV15, SP15a, SHP+16, TFK17, WSY15, WSS+15, WSH15, WSF17, XDSX17, ZLH+17, ZZ15]. density-stratified [Cai16].

dependence [FW17]. dependent [AR16b, AWJ17, BHL15, BOA17, BCB15, BSWG15, CR17, CH16, CX16, Cnu17, CLP16a, DD16a, DKPC15, DBMB15, FM15, GSN16, Gan15, Gen11, Gho17, GkNA17, HL16b, KBK15b, KFL17, LZ15a, LNS17, MMMS15, OKWE17, PHRA16, RR16, STEK17, SS15b, Shu16, SP15b, Sub15, SXL15, Zha16]. depletable [SN15]. depletion [GLTB18]. deposited [AASRT17]. deposition [MZ15, TT17a, TP16b, Zoh17]. deposits [JS16]. depth [DV17]. Derivation [GPS17a, Sch16a]. derivative [AHKT17, CF15, Ch16, DBZ17, DLC15, DZC16, FC16, HL16b, JW15b].
derivative-free [FC16]. derivatives [BKP16, CZ16, CZ17, GGT15, pHzSrC15, Mac15, MD17, MN04, MN17, ZzSK15]. derived [JL16].
deriving [XL17b]. derived [JL16].
descent [FSWW17, TP16b], described [CF15].
describing [AMM + 15]. Description [ALKZ16, DTA + 15]. Design
[BTVC16, FBC + 16, GM16, TCS + 16b, BDB + 17, CC16b, GGW17, KL17a, Kou16, NP16, NW15, WLL16, WHL17, vLtTBI17]. Detailed
[Did17, MHGM + 15, LSYF15, MA16, VLP + 16]. Detection
[ACC + 15, ABT17, EEG + 15, CW16, CW17, Gno17, KLA17, PQR17, WLL16].
derector [LSI16]. deteriorating [PT17a]. Determination [HK16b, EZG16].
deterministic [Dav10, Dav15, RMC15, SS15b, TAJ + 17]. deterministic/stochastic [TAJ + 17]. detonation [Hu17, RA17, WDS15]. Development
[AKZ16, BV15, BLP + 16, DDJ17, KYPK15, TM17, YSWS16, Ani16]. Developments [IC17, Shu16]. devotional [Van16a]. device [FKF17],
devices [BLL16, NOM + 17, RKH15, WPB15]. dewetting [BJWZ17].
DFFD [CH17]. DFM [BHTT17]. DG
[BBF + 17, FG17, JLQX15, NJ15, RXS16, Shu16, TABR17, XQ17, SL17].
DG-schemes [FG17]. DGFEM [KL15]. DGTD [TRL15, SSL + 16a].
Diagonal [Mat17, DBZ17, KNS15, MO18, SS16b, WLK + 16].
Diagonal-norm [Mat17, DBZ17, MO18]. diagonalization
[LWLC17, PAK + 16], diagonally [NMC15]. diamond [AA15, JKE + 17].
diamond-difference [AA15]. diatomic [WYX17]. diblock [CYS17].
dielectric [GWB + 15, PKLS17]. dielectrics [MG15a]. diffeomorphisms
[CRW16]. difference [SYV17, AD17, Ali15, AA15, BBKS16, BH16a, Brl16c, Brc17, BTWY15, CLC16, CTG16, Cho15, CYWL17, DLK17, Fan16, FGLW18, GSS15a, hGzwS15, GS15a, GH17a, GS16, GHL + 16, GL17, HZL + 15, HAH16, JKE + 17, JW15b, KW15a, Kay15, KS15a, KJYC17, KL17b, LH16, LY16, LMHB16, Li17, LMBZ15, LYZ15, LY15b, LN15, LMMS16, MN04, MN17, NN15a, NF17, OLDN17, OS15a, OV17, PS15b, PS17, Shzl17b, SYV14, SZ17, TLL15, TBO + 16, TKP16, WLM15, WH15, WDS15, WH16a, WT15, YYL16, YHQ15, YLA15, YX15, YMI15, YWHP15, ZZK16, ZL15b, ZSQ17, ZQ16b, dFJN16, GSS15b].
[ABFR16, CZL + 15, CPS17, FBW16, LTB16b, MF17]. differencing
[DvW15b, FAF16, TK12, TK15b, WJD16, WBM15a]. different
[LCK16, OTS17]. differentiable
[AD17, ADH + 16, AEAM15, Beg15, BZ15, BSWG15, BR17, BT15, CXH15, DLL + 17, hGwszS15, Gno17, GN16, GXX17, HO15, HBR15, HZ15, JW15c, JX15, JX17, KNS15, KR17, Lyc16, LL16c, MS16a, MR16a, MTK + 16, NYNYM15, Opp17, FF15, RPK17a, RPK17b, RMP18, SR16, SLN15, Sub15, TY17, TST17, TO15, VCNPG15, XHC15, YHKPF17]. differentiation
[CWL + 16, YCPD15]. differntiator [SZF15]. diffraction [HN17b, ZED15]. Diffuse
[FB17, ZDGW16, CSN17, KS16c, LD15, NFG15, WSS + 15].
diffuse-interface [LD15]. Diffusion [BSWG15, LLS15, Ali15, ADHN15, ACJ17, AHKT17, BBW16, BDBEE15, BFT17, BTVC16, Cac15b, CNOS15, CLC16, CHY16, CLR15, CG15, CCM15, Cui15, CwYjS16, DS15a, DS15b, DD16a, DMSC16, DY17, Fal16, FBF15, FHE15, GSS15a, GS15a, GPS17a, GPS17b, GBU15, GL17, HG17, HSC16, HY15, HMY17, JPLL15, JW15b, JW16, JZ15, JLLZ15, JY15, Kay15, KS15a, KKLS17, KBK15b, LE16, LP16a, LPB17, LW17c, LLLN16, LZ17b, ILNS17, LMMS16, LP16b, LM15c, LFT16, Luc15, MBSS15, MMNI16, MK15, MN16a, MM15, MPPa, MDDM17, MSP15, MSP16, MW15, MN16c, NL18, QD15, QDH15, RA15, RB15, SAEF17, SWG17, SY16, SYM15, SYM17, SSM15, SX15, SGA15, SPRW15, SLZ17, TNP15, TW15, TK15a, TSH17, TMT17, WZ15, WY16, WW17, WHY17, WCL15, WZ17, YH15, YMY17, YML17, YLA15, ZSP15, ZSW17, ZJL16]. 

diusion [ZLL17b, vEKdB16]. 

diusion-controlled [PD15]. 

diusion-reaction [MN16c]. 

diusion-wave [BDBEE15, HSC16, YLA15]. 

diusive [AJVH17, BR15b, BR16, BLC17, JLQX15, JXZ15, JL17c, MP15a, SAOW17, VDPP15]. DIII [WSu15]. 

DIII-D [WSu15]. dilute [DAO17, SG17, Yan17]. Dimension [CLM16, TLQ16, AS15, CQ15, YM17b]. dimension-adaptive [CQ15]. 

Dimension-by-dimension [TLQ16]. Dimension-independent [CLM16]. 

dimensional [AR16a, APR15, AEL15a, AEL15b, AB16a, APT17, An17, Bal15, BVC17, BOA17, BH16b, BGL17, BA15, BLS16, BGG16, BG17, BTWY15, CB15, CQ15, CP16, CJZ17, CHJT17, CVK16, CP16, CM18, CLMZ17, CYWL17, DCA16, Del15, DvW15b, DZ16, DvB17, EDvW17, FDK17, FS17a, FST15, FPDT17, FK17, GGL17, GN16, HY17, Huc15, IQ15, IDSG15, IM15, JGS16, JLI17, JSY15, KA15, KCIW17, KI16, KS15b, LGO17, LLL16, LL16c, ILNS16, ILNS17, LD15, LST15, MK15, LW17d, LW17e, LMSK17, LEB17, MH17, MDDM17, MBB15, MB15, MLB16, PseR17, PHHR17, PK16, PCN15a, PCN15b, PR16b, PF15, Ram17, RG15, RS16a, RD17, RKGW17, RXSG15, RXS16, SD17, SSA17, SX15, SS15, SF16, SWZ17, SK15b, SLZ17, TCS15, TCS17, TCA16, TD16a, TSH17, TZS17, TBO16, Trec16, TBB16, VNA15, VSM16a]. 

dimensional [VSM16b, WSY15, WDS15, WCN15, WRL16a, WRL16b, WTGC16, WHY17, WLE17, WHE17, WWWW17, XML17, YSW15, ZMF15, ZLK15, L15a, ZLL16a, ZYW16, ZBBT17, ZCL17, ZL15c, ZWB18]. 

dimensions [BSX17, CC16a, CGRV17, DS15a, DS15b, DL16, FS16, HN17a, RVZ15, SHKL16, Vee16]. 

Diminishing [SIX16]. 

diodes [DS15d, JB15]. 

dioxide [GGL17]. 

Dipole [MML17]. 

Dirac [ASS17, AS17, EG17, FGL16, HNS16, Pin15, PS17]. 

Direct [BLD15, CR17, FKY15, KLH17, LRA17, OMYvdP15, RW15a, SAK18, BS15a, CDC17, CHY16, CYL16, CC16c, CGP16, DY16, Ev18, GB15b, IM17a, KNS15, PPL16, PVB17, RS16b, RLV16, STK16, YS15, Mac16]. 

direct-forcing [PV17]. direction [BGC15, GGT15, LZ16, LK16a, SX15, SZ17]. directional [FY015, MJH15, MSH15]. 

directional-splitting [FY015]. 

Directly
Dissipation [CZW17, BR15a, BMCK15, DLLV17, DWGW17, HWA15, KCS+17, KYW+16, KYW+18, KV16, NMC15, SL16c, WDGW17, WL17, ZHA17a], Dissipation-preserving [CZW17], dissipative [AMH+18, DPK17, KP15c, LS15b, LS16a, MD17, MBM+15, MFG15, PLL+15a, Sto17, YDCK16].

dissipation-preserving [CZW17].
dissipative [AMH+18, DPK17, KP15c, LS15b, LS16a, MD17, MBM+15, MFG15, PLL+15a, Sto17, YDCK16].

distance [XL17b]. distortion [TAR17]. distributed [AEL+15a, AEL+15b, CPT16, CLC16, FG16, hGwSzS15, LAA16, MR16a, WLC15, YLA15].
distributed [AEL+15a, AEL+15b, CPT16, CLC16, FG16, hGwSzS15, LAA16, MR16a, WLC15, YLA15].
distributed-order [hGwSzS15, YLA15]. distribution [AD15, AB16a, EG17, HNS16, iI15, iI17, IC17, LN17, MN15, STR15]. distributions [GWE+15, LL15].
distributions [GWE+15, LL15].
divergence [Ama15, BD15a, BK17b, BDG+17, KBR17, PMF15, RRM+16, TPB16, XL16, YJ17, YFJ17].
divergence-cleaning [YJ17]. Divergence-free [Ama15, BD15a, BK17b, BDG+17, RRM+16, XL16, YFJ17], divertor [MP16, TTN+16]. divertors [DLM/PZNG15, PZNG15].

domains [AB16b, ABFR16, An16, BLS16, BC16c, DGHP17, FH17, FYZ+15, FBF15, GSN16, GLS15, GN16, GLTG15, JW16, JTD16, KADE15, KADE17, KBR17, KJ17b, LPGT16, LB15, LCK16, LC16, MMNI16, MTZ16, NN15a, NGY+17, NSK+16, NN16, OLD+16, PKN17, RB15, ST17, SGT16, SGT17, Tsa16, YYN+17, YDCK16, YLA15, ZL15b]. dominated [Shu16, WB17].

doppler [DJD+17, JDFS16]. dosimetry [KSV+15]. Double [JDS16, JDFS16].

double-diffusive [BLc+17]. double-sweeping [EG16].
doubly [BLS16, LB16, NL15]. doubly-asymptotic [BLS16].
doubly-periodic [LB16, NL15]. down [CLL17]. DP [KCW17].


drum [Ant17]. drying [ABT16, FKY15].

DSMC [Mac16, GJ15, GRS15, KJ17b, MC16, RMC15, WPB15]. DT [Nor15]. Dual [HB15b, Stui17, AAE17, CLP16b, DZ16, GCCV18, LWY18, NG17, [RVMR17, LW17a, SWML17]. displacements [BQCG17, RDG17].

Distance [XL17b]. distortion [TAR17]. distributed [AEL+15a, AEL+15b, CPT16, CLC16, FG16, hGwSzS15, LAA16, MR16a, WLC15, YLA15]. distributed-order [hGwSzS15, YLA15]. distribution [AD15, AB16a, EG17, HNS16, ii15, ii17, IC17, LN17, MN15, STR15]. distributions [GWE+15, LL15].

Divergence [Ama15, BD15a, BK17b, BDG+17, KBR17, PMF15, RRM+16, TPB16, XL16, YJ17, YFJ17].

docking [PLWJ16]. Domain [IBM16, JHPAT17, JX17, TRL15, AM17a, And16, AA15, BLK15, BG16a, CXH15, CLC16, CC17c, CLQ17, DZ16, DvB17, DDV+15, DGL+15, ETAG15, FHA17a, GBD17, GH15, GHH+16, HXLL15, IML15, JSP16, LH16, LS15a, LH15, LLS15, LZ16, LHMB16, LC17a, LST+15, LK16a, LMM17, LYA15, MMSS15, MJ17, MH17, PR16a, PLL15b, PT17a, PBA+15, QDH15, RZ17, SZW+16, SZ17, SL16b, SWZ17, TT17b, TP17, TST17, WR16, ZP16, ZLY15, ZD17, ZYCK15, ZZH16].


Drum [Ant17]. drying [ABT16, FKY15].

DSMC [Mac16, GJ15, GRS15, KJ17b, MC16, RMC15, WPB15]. DT [Nor15]. Dual [HB15b, Stui17, AAE17, CLP16b, DZ16, GCCV18, LWY18, NG17,
OKWE17, SFDE15, TC15b, ZD17. **Dual-consistency** [Stü17].
dual-corrected [SFDE15]. dual-porosity [GCCVHH18]. dualism [Luc15].

**Dynamic**
[DD16b, GSN17, LWY18, NLK+, APP+, CL16, CvKH16, EST17, FGL16, Gan15, HK5+, IGQ15, LMC16, LGD17, MRA16, MG15b, MNG15b, MS15c, MM17, NFG15, PD17, TYD16, WY17, WS15b, Z17b, ZD17].

**dynamic-solver-consistent** [WY17].

**Dynamical**
[Blo17, EL17, GS15b, Lia16, NW17, OSP17, OB17]. **Dynamically**
[ALK16, CYS17, DBMB15, KG15, PS16].

**Dynamics**
[WB16, AGBL15, AWS16, ATZ16, ABR16, BJTZ15, BBW16, BLS15, BLJ17, BZ16b, DMAM15, Dav10, Dav15, DPK17, DG16e, DLR15, DFS16, DRR17, EJZ17, FB17, GS15c, Gen15, GBM16, HSLQ15, HSLQ16, HK15a, H16a, HMBH15, HM17, ii15, J15, JLKF17, KM17, KKB15, KP15b, Kor17, KS17, LSMS17, LFR17, LS15b, LS16a, LK16b, MHL17, MD15, MMW15, MFG15, NPC15, NLL+, NLW+, PLL+, PQR17, R17, Say17a, Say17b, SHKL16, ST15, SXX16, SMAG17, Sto17, Si17, SAOW17, SZS15, TY17, TP16a, TAJ+, TR17, WE15, WTS+, WH16b, WY+, X15, XWW17, Z15a, ZLH+, ZD17, HS16, YDCK16].

**Eady** [YSC+, EW15]. **Earthquake** [DD16b]. **Eca** [EH15, XS15]. **ECGs**
[NCP+, EW15].

**Eddy** [FNP17, PD17, TABR17, BGV17, BR15a, BJ16, CLB+, CC16c, DLT17, Fer17, FG17, KH15, MD16, MMPS17, NYNYM15, PK17, RS16b, RBGV15, V16, CL16, LLM17].

**eddy-current** [BGV17].

**eddy-resolving** [MMPS17]. **edge** [BGG15, Dod17, GDS+, KHC+, MP15b, MP15, NL17, PF15, TBC+, WSH+].

**edge-based** [NL17].

**edges** [HK16b, Ts16].

**Editorial** [Abg16]. **Effect**
[GR15, LYDB17, PQR17, SAH17, VAL16, WX17, XR17].

**Effective**
[DGL+, GSTQ16, XLY15, BPS16, CPT16, Cot16, HS17a, LK17, PVFN15, VS17].

**Effects** [NN17, AAL15, GZM+, Gen11, Gho17, HCW15, HW15c, KD15a, KCS+, LW17b, MAH16, MLB16, NWZ18, ST16, SPD+, SSL+, SP16c, WTL17, YT17].

**efficiency**
[BHZ16, BT17b, Die15, KK16, LWY18, WWB+].

**Efficient**
[AG16, ALT17, BGV17, CS16c, CYS17, CLGA17, DNBH15, ESHA16, FNG18, HE15, HMM17, KAR17, L15, Lia16, LB16, LHA16b, MBSS15, MS16a, MPT16, MN16a, NMA15, NCP+, SBT17, SYY15, SDM+, SPRW15, TRM16, VSM17, WJ16, XL17a, YM17a, Z15, bWAW15, ARG+, ADGN17, ALM+, APKP16, BGS16, BCM15a, BST15, CDL15, CC17a, CCGC16, CCG, CZ17, CPS17, DY16, D15, DLN15, DLNR18, DOO17, DB16b, EMZ16, FNG15, GWB+, GS15b, GLZ16, GP16a, GLTB18, GWC17, GX15, HHCG15, HMBH15, HWA15, HC17, IPSG15, KC17a, KH17, LM15a, LKK17b, L16, LWY17, LH17, LPBR15, LWC17, PX16, PMS15, PSP16, RT16, SXB15, SGMS16, SO15, SSN15, SF16, Tak15, TRL15,
efficiently [Cac15a, Cac15b, ZWUR16].
eigenproblem [MBJ16, MBN16]. Eigensolution [MSP16]. eigensolver
[AAB+16, ZGD+16]. eigenvalue [ABN15, BDKK17, CXX16, JPLL15, KL16,
KFL17, Loh17, PKA+16, PGH15, XZ15, YM17c]. eigenvalues
[ABFR16, ABT17, HXB15, HSSZ16, Jac17b]. eikonal
[LP17b, NCP+17, TH16, YS17, bWAW15]. Einstein [ALT17]. elastic
[ABT17, BXY17, Buk16, CHT17, CHJT17, DL17, DWW15, DPRZ16,
DKK15, DD16b, GFG+15, GH17a, GFL17, GC17, GBS15, Heu17, KTK15,
KL15, KLRT15, LC15, LWZ16, PS15b, RM16, RRD16, SZW+16, SCQP16,
Si17, SZF15, VK15, WJD16, WTL17, ZZZ17, ZZW+16, dTP16].
elastic-acoustic [RRD16]. elastic-electrostatic [DL17]. elastic-plastic
[CHJT17, Heu17, KTK15]. elastic-viscous-plastic [KDL15, WTL17].
elastic-wave [GH17a]. elasticity [FKD17, WXW15]. elastodynamic
[AB16b, CDC17]. elastodynamics [CDL17]. elastomers [SAH17].
elastoplasticity [RSB15]. elastostatics [GBD17]. electric [AAE17,
BGGM15, CCHL15, DvB17, HK16b, KBR17, LDL+16, LYD17, BWZ18].
electrical [MS15a, VLP+16]. electrically [Zoh17]. electrically-driven
[Zoh17]. electro [DPRZ17, HGN17a, HGN17b]. electro-dynamics
[DPRZ17]. electro-thermal [HGN17a, HGN17b]. electrocardiography
[CGM15]. electroencephalography [PVFN15]. electrograms [MTD15].
electrodynamic [BAG16, DPO16]. electrodynamics [BTGM17, PT17a].
electroencephalography [RMA17]. electrograms [NCP+17].
electrohydrodynamic [HL15, HLY16, JGS16]. electrohydrodynamics
[Vee16]. electrokinetic [MXL16, PKP+17]. electrolytes [GWB+15].
electromagnetic [AL15, ACC+15, BAG16, BGV17, CC16a, CC17c, CLFL17,
DDV+15, FCL17, GH15, GKE15, Ism15, KS18, LGO17, MHZ+15, NOM+17,
PL15b, ST16, SCS16, SSL+16b, Tao16, TSN16, TRL15, TBDM15, UWH17,
ZWUR16]. electromagnetics [AM17a, HL16]. electromagnetism [BAG16].
electromechanics [ANL+16]. electron
[ALM15, BTA17, CHE+17, HM16, Id16, KKS15, KKS16, LLVF+15,
LY15c, MP16, VBG+15, YCBC15]. electron-electron [BTA17, HM16].
Electron [CSCM16, MRZG16, NOM+17, PDDG+17, PD16b, RO16].
electrons [KM16a]. electrophoresis [GPG17, LPW15].
electrostatic [DL17, HK15a, LLEK17, MSD+17, PMF15, dCPDC+17].
electrostatics [BGO+15, DS16, XJ16, YX15]. Element
[CEH16, GFG+15, GBS15, SCS16, SMAG17, TBLJ15, AM17a, ABG+15,
AVT17, ADF17, ASS13, ASS17, AAD16, ADK+17, BCD+15, BCO+15,
BBK16, BHL15, BXY17, BJWZ17, BGN15, BBF+17, BK17c, BBB+16,
BS16, BTW15, BKR15, BFTVC18, CZ17, CCL15, CWF16, CH17,
CFL17, CL16, CJD+17, CH17, CWW17, COV18, CEL15, CMH15, CLFL17,
DHH+16, DGMT17, Did17, EKEB16, FBM16, GG15, GBD17, GDA16, GY17,
HWH$^+$16, HS17a, HdBH$^+$16, HLL$^+$16, HR17, HHLY17, HSF17, JTR16, JL15, JLLZ15, JTD16, Jou15, KC17a, KDF15, KE15, KG15, LTAKA15, LMC16, LZ17a, LTXB17, LYP17, LWC17, MML17, MR17, MDM$^+$15, MP16, MM16c, MF16a, MWYZ16, MN16c, MZ15, MMW15, NH17, ÖPHA15, PK16, PG17, PCX17, PL16a, PHO$^+$16, PR17a, Rag15, RG15, RJL17, RHM15, RRD16, RBGV15, RSD17, RBL16]. element
[SN5G16, SPX$^+$18, SDMS17, SW15, SW16, SWPS17, SZW$^+$16, SA15, SFDE15, SSO$^+$15, SZ15b, SDW16, SS16c, Sov16, TCD17, TH18, TC15b, Tre16, URL16, WG15, WSF17, XWL$^+$16, XZ15, XJ16, YSC$^+$17, YYN$^+$17, YX15, ZS16, ZS15, ZL15a, ZGJ16, ZBZT17]. element-based
[JTD16, KG15].
element-wise
[MN16c].
elemetary
[KD17b].
elements
[CV15, Dod17, JG15, LMH16, LKSM17, MG15b, MT17, MMW15, OKE17, Pas16, RGW16, RSB16, SWG$^+$17, SM16, SFP16, YP17, ZS16, ZILZ15]. ELF
[Chn17]. ellipsoids
[PGCG18]. elliptic
[AR16b, BFFB17, LL17, CWW17, FSWW17, FPDT17, GLTG15,GY17, HL15b, HHLY17, HSF17, KKL15, KCW17, LMMS16, MWYZ16, OKE17, PHHR17, SR16, SDW16, Vab15, VCNGP15, WTGC16, WHE17, ZILZ15]. Embedded
[CK16b, vLtTBI17, AMS17, DD16b, KKJB16, KP15b, MA17, NPC15, PBKK17, TAH16, WBM15a, BM15]. emergent
[BWR15]. emission
[AP16]. emphasis
[KS16a]. Empirical
[dPSS16, NMA15]. Emulation
[LBTCG16, MRA16, XTS$^+$16]. emulator
[ZKS$^+$15]. enabled
[KMD$^+$18]. Enabling
[YXD$^+$16]. endocytosis
[LAA16]. energetic
[CSY15]. Energetically
[MXL16]. energies
[BJWZ17]. Energy
[BCJL17, CCBdL15, CCZ15, LCF16, MRXI17, NMM15, OLDN17, OKWE17, RKH15, SL16c, AK17, AJW17, Bra16a, CCdL15, CCRdL17, CJYZ15, CS16c, CLL17, CVG18, Don15a, DS15c, FPASS16, FG17, GZH$^+$16, GX15, HPV16, HJZC17, HLS15, HW15b, JKLF17, LHM16, Lap17, LW15b, LSS16, LIVF$^+$15, LW17e, NMM16, NNM17, NN15a, PG17, PS14, PS15a, PME$^+$15, RSB16, SYY15, SLN15, SD16, Sto17, TC15a, TKC15, TCSM15, Tac17, Tac17a, TCT16, VV15, WH15, WJD16, WCL15, Yan16b, YH17, YZW17, YCS$^+$17, ZYSW16, ZN16]. energy-balanced
[PME$^+$15]. energy-based
[YCS$^+$17]. energy-conservation
[CCRdL17]. Energy-conserving
[CCZ15, HJZC17]. energy-preserving
[CCdL15, LW15b]. energy-stable
[Don15a, DS15c]. energy-transport
[HW15b]. Energy/dissipation
[SL16c]. Energy/dissipation-preserving
[SL16c]. enforced
[WYS16]. enforcement
[LHG16]. enforcing
[MN16c]. engulfment
[TYD16]. enhanced
[iI17, MZAF17, PHD16, XR17]. Enhancement
[EST17, BTD16]. Enhancements
[SP16b]. enhances
[CSCM16, Enhancing
[FBW16, JW15a, JES15, YL16]. ENO
[FHA16, FLM17, IDS15, LJ16]. enriched
[LW17a, SA15]. enrichment
[KW16]. Ensemble
[RMK15, ZH15]. Ensemble-type
[RMK15]. Enskog
[WZ15]. enstrophy
[PG17, SLN15, SD16]. enthalpy
[HW15c, HW16c]. enthalpy-based
[HW15c, HW16c]. entropic
[DCB15]. Entropy
[CS17a, DRM15, LI15, PCN15a, PCN15b, AS15, Bra16b, CJD$^+$17, CHS17,
DWGW16, DWGW17, GHH15, IC17, LW17a, LCF16, LSI16, MLI17, Opp17, SBT17, SW17a, WWGK17, WG15, WG16b, WDGW17, YC17, BC16b.

Entropy-based [DRM15, AS15, GHH15, SBT17]. Entropy-bounded [LI15], entropy-residual [LSI16], entropy-satisfying [CHS17], entropy-stable [DWGW17, IC17, MLI17]. Environment [TCS+16b], EOS [FSB16]. EPIRK [RT16]. epitaxial [YZW17]. epitaxy [Xia15]. Equation [ACGR15, AMN18, AAE17, Ali15, ASS13, ASS17, AMP16, ABFR16, An17, And16, ADK+17, ABH18, AHKT17, Ata15, ALTR17, BM15, BK17b, BJTZ15, YHL15, BLA+15, BNM15, BDF+17, BDK+17, BNS15, BWR15, BCM15a, BGGM15, BR17, CQ16, CI17, Cha16, CCZC16, CCL16, CD17, CMI15, CVG18, CV16b, CGR17, CLM17, Cui15, CHT17, DD16a, DvB17, DLNR18, DS15d, DLR+17, DBMB15, DKK15, EG17, EO15, EAAM15, EG16, EMM17, FS16, FGLB16, FLT17, FSM16, GMP16, GMP15, GMS16, GBD+15, GN16, GWWC17, GHL15, GL17, HW15a, HB16, HW16a, Her16, HLLM17, HSC16, HW15b, HJ16, HXB15, HHY15, HMRG16, JW15c, JL16, JLLZ15, JJ17, KS16a, KMD16, KTN15, KKS15, KKS16, KJY17, KL17b, KDL15, KL15, LFHR17, LSL15, LTKA15, LJZ15, ILNS16, LZ17b, LDWZ15, LY16b, LK16a, LYA16, LM15d, LQ16b]. equation [LP17a, LP17b, MKY17, MK17, MS15, MS15c, MST15, MZTS16, MR17, MS17, MLMM17, NH17, NPCR15, OT15, OVL16, OWK16, PK16, PL16b, PS14, PS15a, PL15b, PDB17, Pin15, PS17, Rag15, RM16, SS17a, STE17, SM16, SLR+16, SwS16, SL15, SK15a, SL16a, SW18, SWR15, Sto16, SV17, SK15b, SLZ+17, TCS15, TK15a, Tav16, TSH17, TBO+16, TCI15, TH16, Tsa15, Tsa16, Vab15, VSM17, Vec16, Woc16, WSJ16, WY16, WH16a, WKOE17, WBB16, WZRZ15, WZR15, WZL+17, XWB15, XJ16, XJL15, XQ17, YLY16, YS17, Yan17, YLA15, YM15, YM17c, YC16, YL17, ZND16, ZL16, ZYW16, ZBZ17, ZSX17, ZYCK15, ZLL+17b, aKT16, bWAW15, dHIC16]. Equations [HO15, AG16, AD15, AR16a, AD17, ALKZ16, AS15, AJW17, ABH18, ADH+16, ATZ16, ABR16, AEAM15, AB17, BTD16, BV15, BK17c, Beg15, BCB15, BDM17, BA15, BZ15, BDB15, BLMY17, BTVE15, BCJ17, BSG15, BH15, BCI16c, BTWY15, BT15, BTVC16, CZW17, CRW16, CW16, CXH15, CCZC16, CTG16, CHZ16, CS16b, CHY16, CYL+16, CDN17, CCK15, CVK16, CFST16, CE17, Chul17, CRZ17, CCM17, CLP16b, CEF15, DA17, Del15, DG16b, DGL+15, DMSC16, DMTB15, EATG15, EFHZ17, Fahl16, FKF17, FWK17, FSWW17, FBW16, FP16, RFR16, GSN16, GS15b, GSS15a, hGwsz15, GS15a, GWK16, GP16a, GBM16, GCVMK15, GO16, Gno17, GHL+16, GP16b, GTG15, GY15, GXX17, HPY18, HE15, Hdb16+16, HBR15, HHC15, HJZC17, HTMP17, HY16, HY15, HZ15, HY16, HSF17, Ism15, JLQX15, JW15b, JW16, JX15, JZ16]. equations [XJ17, JZX15, JL17c, JFS17, Kay15, KNS15, KA15, KR17, LPW15, Ler15, Ler16, LLS15, LZX+15, LYM16, LX16, LDF+16, LT17a, LZA17a, LX18, LL16c, ILNS17, LP16b, LSQL16, LW17d, LHL15, LFT+16, LH16, L15, MMN16, MD17, MM16b, MS15b, MS16a, MG15b, MR16a, MA17, MKC17, MPFL16, MDC17, MBK17, MDDM17, MHS16, Moh15, MTK+16,
MBM 15, MN16c, NMM15, NLFM16, NW15, NN16, OS15a, Opp17, OvdHVH16, PG17, PXL16, PCF15, PPC17, PJC16, PCN15a, PCN15b, PS16, PE16b, PND16, PE15, PDRB17, PBBK15, Pop15, QHZ 15, QDH15, RMA17, RPK17a, RPK17b, RMP18, RDM15, SKP 15, SP15a, Sch16a, Sch16b, SWG 17, SZ15a, SR16, SMS16, SY16, SLB 16, SLY16, SYM15, SYM17, SO17, SPP16b, SX15, SE16, SD16, Stü15, SL16b, SL16c, Sub15, SJJX15, SJJX15, SJH 15, SJX15, SJJX15, SCS18, Sva15].

Equations [TW17, TY17, TD16a, TD17, TP17, TC15b, TXKvdV15, TXKvdV16, TST17, TT16, TCL15, TC15c, TO15, UL16, VST16, VS17, VCNGP15, WY17, WW15, WR15, WH15, WZ15, WXW15, WRL16b, WTGC16, WHY17, WCL15, WR16, WWGK17, WG15, WG16b, WBM 15b, WZ17, XDSX17, XHC15, XL16, YC17, YJ17, YH15, YYN 17, YHKPF17, YTW15, YWHP15, ZZK16, ZA15a, ZSP15, Zha17c, ZED15, ZJL16, ZQ16a, ZSQ17, vOMB17, NMM17].


Esophageal [KBG 15, KGP 17]. Essentially [HWA15, LJ16, MWB 15a, ZQ17]. Estimates [DZC16, IM15, JW15a, JES15, YY16]. Estimating [SZY16, TR17, WLK 16, STR15]. Estimation [EDvW17, AMK17, 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, Ball15, BLMY17, CGS15, GKW16, GP16b, HY16, ID17, Ler15, Ler16, LX16, LLY18, LI15, MS15b, MPP17, PXXL16, PS16, PDRB17, PZF16, TCL15, WW15, WR15, WRL16b, WDGW17, XDSX17, vOMB17]. Euleralian [AB16a, AL16, BMR 16, BS15b, BL15, BD17, CBB16, DL15, DB16a, FSW16, LS16c, MWB 15b, PR16a, RW15a, RSB15, SDM 17]. Eutectic [DMS17]. Evaluation [BAVC17, DB16a, SDJU15, SGC 17, KKL15, MDT16, RCRF16, RSD17, SY17, ZWG17, ZPE 16]. Evaporating [DM17a, DvM17]. Evaporation [M17a, PS14, PSL15a, VALT16]. Even [WKO17]. Even-parity [WKO17]. Event [Hig17, KBBK15a, SGL17]. Events [CL17, GH17b, MCS16, SPB16]. Evolution [BMRA 15, GSN17, LP16b, OB17, UG16, ZXL17]. Evolutionary [STHW17, MHJ15, WS16]. Evolving [CRW16, FBF15, MNN16, MW17b, SS16a]. Ewald
...
MWYZ16, MN16c, MMW15, NH17, NN15a, Nis15, NF17, Nor15, OLDN17, OV17, PzRS17, PCX17, PL16a, PHO+16, PS16, Pei16, PS15b, PWP15, PS17, Rag15, RG15, RGW16, RAMB15, RDD16, RSL16, SNSG16, SPX+18, SDMS17, SAEF17, SWG+17, SM16, Sha17b, SY16, SLY16, SYM17, SYV14, SDH+16, SKG17, SA15, SFDE15, SSO+15, SZ15b, SDW16, SZ17, SS16c, SP15b, TLH15, TMT17, TC15b, TBO+16, TKP16, URL16].

finite-Difference [SYV17, Bra16c, Bre17, CYWL17, GH17a, GS16, LH15, LMB16, NF17, SYV14, TLH15, YYL16].

finite-element-based [CMH15]. finite-elements [SM16]. Finite-volume [IGQ15, TVB+16, vEkdB16, GOR17, GDS+16, IDS15, KS17, LLD+16, LN17, LL16b, LZ17b, MDHC15, Nis15, Nor15, PS16, SDH+16, SKG17, TMT17, XDvW17, CJ17]. Finite-volume-concept-based [SKO17].

finite-volume/Monte [GDS+16]. First [CC15, LSL15, SLL16, ALKZ16, AZK16, Cac15a, Cac15b, DBZ17, DPRZ16, DPRZ17, DKK15, LM15c, MA17, MN16a, MRN16, OWKE16, Roy15, SM16, VSM16a, VSM16b, WTX17, Yan16b, YH17]. first-order [MN16a, MRN16, OWKE16, SM16, VSM16a, VSM16b, WTX17].

first-principles [AZK16]. fitted [BOA17, CWW17, DSH+16, RA17, ZJ18, ZSX17]. fitting [LT17b, ZXDL17].

FitzHugh [LZT+15]. FIVER [MZA17]. fixed [DGW18, IKI15, RZ15, SY17]. flame [KP15b, LZL+17]. flash [WKSS15]. flat [KJYC17, KMGR16, WF17]. flexibility [i15]. flexible [BSK15, BPGS16, DCP15, FKR16, GLS15, JSP16, Moo17, NRZS17, SWG+17]. flexible-wing [Moo17]. floating [LC17a]. flooding [DD17a]. Flow [BPS17, KLA17, YDCK16, AB17, AASRT17, ABG+15, APR+15, APP+16, AAG16, AS17, AMS17, BCSK17, BCST17, BB17, BBKS16, BHS17a, BHS17b, BGN15, BLVC16, BLVC17, BPS16, BLK15, BAVC17, BLG+16, BLJ17, Bon17, BCB17, BC16d, BB15, BKG15, BKRB15, BKKRB16, CCRdL17, CC15, CX15, CKT17, CV16a, CS17b, CGRV17, CLNH15, CvKH16, DM17a, DGW18, DM16, DGMT17, DB16a, ESGS17, EST17, EN17, Fal17, Fan16, FMRZ17, FST15, FW17, FSB16, GZM+17, GPS17b, GDFL17, GFL17, GGL+17, GO16, GCVCHH18, HXLL15, HSK+15, HGI17, HKH+16, HW16b, HY17, IPSG15, ION+17, JSP16, JSDV17, JL16, KD17a, KHP17, KJ17a, KH17, Kla15, KF17, KS16c, KW16, KFWK17, KJ17b, KS16d, LVB+15, LE16, LRA17, LH15, LPGT16, LHB+16, LZB+17, LLY18, LZT17, LKN17, LNM15, LAA16, LROG18, MZA17, MNG15a]. flow [MTZ16, MHL17, MS17, MDP+15, MTJ17, MF16a, MB15, MB15, MM16d, NL15, Noc15, NSK+16, NSL16, OT15, OSP17, PZNG15, PEGC18, PHO+16, PLWJ16, PF16, PME+15, QYF15, QLF16, RZB15, RW15a, RXSG15, SPX+18, Say17a, Say17b, Sha17a, SLL17, STG17, SHW17, Str17, SKC17,
SCS18, TH18, TP16a, TLH15, TWH15, TAH16, TLLF15, TT16, TD16b, TSST16, VVY17, Vos17, Vrc17, WWR16, WYLX17, WPB15, WCVF16, WKSS15, XCY17, YYY +16, YSY17, YNW17, YM17b, YTW15, YZZ15, Zad11, ZP16, ZLY15, ZW15, ZW16, ZZS +17, ZZ17b, ZZX16, ZRE16, aKT16, dFJN16, dMRHJ17, dPSS16, tEDKT17. flow-field

[TSST16]. flow-transport [BKRB15]. flowing [ZZDB15]. flows

[ACGR15, AMBI7, AC516, AB15, Bal15, BMR +16, BJ15, BFI +18, BC16a, BS15a, BVM17b, BFTVC18, Cai16, CV17, CGK17, CL16, CJD +17, CZL +15, CX16, CHJT17, CD17, CGS15, CC16c, CLGA17, CPS17, CG16, CM16b, DY16, DAO17, Don15a, DS15c, Don17, DVP +16, ESHA16, FGL16, FBL17, FNP17, Fid17, FBM16, FPDT17, GOR17, GHR17, Ger17, GWC17, GG15, GBCF15, GBCF16, GJ15, GR15, GEZK16, GSS15b, HHA15, HFM17, HL15a, HEPG15, HZL +15, HTZG17, HP17, HS16, HM16b, HTMP17, HW18, HTBG15, IGQ15, JS17, JGS16, KYUO15, KTN15, KP15a, KLNH17, KCS +17, KF17, KP15c, KYW +16, KYW +18, KV16, KS15b, LMPS15, LS15a, LVTR15, LPB17, LFDP16, LL16b, LW17b, LSD +17, LSR16, LC16, LC17b, LD15, LMKS15, LWB +16, LXC17, LH17b, LDH15, LWZ +17, LHA15b, LHA16b, LEB +17, MIL17, MM16a, MNG15a, MDL16]. flows

[MOAA15, MTZ16, MC15, MP17, MRK15, MRX17, MCGS16, MF16b, MA16, MSR +16, MR16b, NDCB17, OVP15, OPHA15, OD17, PKP +17, P16a, PSS17, PM16, PPLC16, PN17, PG17, PLWJ16, PF16, PWP15, RS16b, RD17, RV16, Ric15, RZ15, SBX15, SW17, SPD +17, SP15a, SGMS16, SHA16, SL17, SKF15, SW17, SAK18, SWMD17a, SWMD17b, SXY18, STW16, SDM +17, SDH +17, SKG17, SSA17, SGT17, SST +15, SG17b, TK12, TK15b, TBO +16, TKP16, TAB17, UG16, VPM15, VSM16a, VSM16b, VAL16, WD +17, WSY15, WSS +15, WST15, WSY16, WSP17, WCH +17, WSN +15, WME17, WL17, XWL +16, XD17, XW17, XX16, XML17, XSL18, YSW15, YS15, YXF +17, YSWW16, YGEM17, YL16, YCS +17, ZMF15, ZGW17, dFV15, dLGT +17]. fluctuating

[DSH +16, HM17, dSPD15]. Fluid

[AAI15, FB15, HM17, JBO15, LVTR15, LGD17, RW15b, SAK18, SDM +17, VAL16, AB17, ABG +15, AAI16, AMA15, AB15, BAGK16, BHKS16, BQCG17, BZ16b, BCM15b, Bak16, CM16a, CH17, CV16a, CLGA17, CSH15, CLM15, CM16b, CYW17, DG16a, DFGQ16, EST17, EKSS15, ED16, ELH +16, FLV15, FRW16, HFA16, GLTB17, GLS15, GCCV17, HXLL15, HS15, HMI16a, IM17b, JAY17, JH15, JS17, KF17, KC17c, KM15, LT16a, LL16 +16, LC15, LF17, LG17, LFDP16, LW17b, LSD +17, LY16c, LDH16, MIL17, MAK15, MOAA15, MAM16, MC15, MMM15, MTK17, MRX17, MM17, MKV +17, NFG15, NPC15, Niu16, NF17, NSK +16, NLW +16, PSS17, PHO +16, PR16b, PAL +16, PP17, PQR17, PME +15, RG15, RK16, RV16, RTG15, SSL17, Say17a, Say17b, SMP16, STW16, SMA +16, SS16c, SJH +15, TBC +16, TCA16, WSP17, WCH +17]. fluid

[WB17, Wic16, WSI15a, WSI15b, XD17, XYF +17, YYY +16, YK15, YSI15, YXF +16, ZAK15, Zad11, ZPE +16, dJRP +15, dTP16, BAVC17, JSS15].
fluid-composite [BCM15b]. fluid-dynamic [EST17, MM17, WS15b].
fluid-dynamics [PQR17]. fluid-fluid [LSD+17]. Fluid-particle
[HM17, KF17]. fluid-­porous [NSK+16]. fluid-saturated [SSL17].
fluid-solid [YK15, YS15]. Fluid-structure
[LGD17, BHKS16, BQCG17, CM16a, CM16b, DG16a, DFGQ16, EKSS15,
ED16, FRW16, KC17c, LC15, MMMS15, MKV+17, PHÖ+16, Say17a, Say17b,
SMP16, SMA+16, WCH+17, Wic16, YXF+16, dTP16].
fluid-structure-interaction [LTB16a]. fluid/­level
[VALT16]. fluid/thin [FLV15]. fluid/thin-walled [FLV15]. fluidic
[MKV+17]. fluids [AJVH17, BHKS16, CFPB17, CSN17, DSH+16, Don15b,
Don17, DPRZ16, KKS15, KKS16, KBK15b, Lin16, PR16a, PS14, PS15a,
SK15b, TOR+15, TL17, WE15, ZDGW16, ZYSW16]. Flux
[ALMJ15, AWJ17, LKSM17, Loh17, NM15, Z16, AHN15, AMH+18,
AEL+15a, AEL+15b, AEL+17, BMT16, BND16, CGL16, CLP16b, FCK17,
FS15, GHL15, HWH+16, HZL+15, KW15a, KKS16, KFL17, Kri17, LB16,
LK16b, MS15b, NM16, Nis15, STW16, Stü15, SST+15, TT16, TCT15,
V16, VDP15, WSY15, WSHT15, WSY16, WGM16, YSW15, ZJLC15, ZXL17, BK17a].
flux-ADER [NMM16]. Flux-corrected
[LKSM17, Loh17]. flux-dependent [KFL17]. flux-limiter [ZJLC15].
flux-reconstruction [AHNF15, AMH+18]. flux-split [HZL+15].
flux-splitting [KKS16]. fly [EZG16]. foams [SS16a]. focused [TS16].
focusing [KLM17]. Fokker [FLT17, TC15a, TKC15, TCS15, TCS16a,
TCS17, TCS16b, GJ15, GJ15, HYK+16, KJ17b, SV17, SK15b]. folded
[CLR15]. Force [HLU15, TP16a, ZLK+17, AAL15, BDG+17, CFO18,
DKPC15, DK15, KK16, LBB+17, SD16, VSM17, W16a, YCS+17, Zau16].
force-coupling [DKPC15]. force-field [LBB+17]. forces
[CG16, GLTC16, LT15, LM16, NJPB17, YDCK16]. forcing
[CK16a, H15, KLS15, LC15, PPLC16, PV17, YS15]. form
[ABH18, D115, D115c, DKK15, GW16, JFS17, OWK16, RO16, SPP16b,
WKO17, XW+16, ZH16]. formalism [PD17, SD15, SSL+16b, TZ17].
formalisms [OML16]. format [GK17, L15]. formation
[AJ17, GP17, SPM16]. forming [CL17, PR16b]. forms [AH+18, PF15].
formula [DF16, LD17, PBK17]. formulas [Loz17]. Formulation
[Kor17, Teu16, BVG+16, BHST17b, BFF+17, BS15a, CM15, CGRV17,
DG16a, DSH+16, DCP15, Don15b, DPRZ16, DB16, DPRZ17, FRL15, GS16,
GC17, HL16b, Jou15, Kim15, Lap17, Ler15, LHA16b, M16b, MTD15, MR16b,
NN17, NF17, NPD16, RG15, SD15, S15, SM16, SL16a, YTW15, ZHA17b].
formulations
[AG16, FKL17, JHP17, LGO17, RB15, S15, SST+15, V17, WRL16a].
Fortran [GBR15]. forward [RMA17]. four [RS16a, SD17, SSN15].
four-dimensional [RS16a, SD17]. Fourier [GKE15, ALMJ15, Dy17, Fer17,
GSN16, GWWC17, HB15a, KFL17, M16, MP16, MH17, ST15, SGT16].
Fourier-spectral [ALMJ15, MP16]. fourth [CG16, DL17, D17+17, G17a,
GPS17a, GPS17b, pHzSc15, LHB16, PX16, YC17]. fourth-order
![CG16, DLL+17, GH17a, pHzSrC15, LHMB16, PXLL16, YC17]. **FPDEs**
[KZ15]. **fraction** [DB16a]. **Fractional**
[KHP15, KADE15, KADE17, MK17, YPK16, ZK15, ZM16a, ASB+15, Ali15,
ADH+16, ATZ16, AEAM15, AHKT17, Ata15, Beg15, BA15, BZ15,
BDDEE15, BSWG15, BTWV15, CF15, CC15, CXH15, CNOS15, CLC16,
CP16, CWL+16, CV16a, Cui15, Die15, DMSC16, DLL+17, DZC16, EAAM15,
EE16, GSS15a, GS15a, GMP15, HPY18, pHzSrC15, HO15, HB16, HSC16,
HJ15, JW15b, JW15c, JW15j, JW16, JLLZ15, Kat16, KNS15,
LZ16, LYC16, LW17c, LWY17, ILNS16, ILNS17, LZT+15, Luc15, MBSS15,
Mac15, MD17, MS16a, MR16a, MM15, MP15a, MDDM17, OM15, PCF15,
PPCK17, QDH15, SMC15, SYM15, SYM17, SX15, SPRW15, SLZ+17, TY17,
TSH17, Van15, WH15, WZ15, WH16a, Wu16, WZ17, XHC15,
YMN+17, YLA15, ZZK16, ZSP15, ZC15, ZzSK15, ZJL16, ZBT17, ZLL+17b].
**fractional-order** [ZC15]. **fractional-step** [HPY18].
**fractions** [EDvW17]. **fracture** [AEL+15a, AEL+15b, AEL+17, BBB+16, BPS16, BHTT17,
FFJT16, NFG15, Noe15, Wie16]. **fracture-matrix** [AEL+17].
**fractured** [ABG+15, AEVW18, Noe15, SMT+16, XYF+17, XML17]. **fractures**
[BPS17, TAH16]. **fragmentation** [LPWK15, NFG15, WYA+17a]. **frame**
[ALA16, DCA+16, DvB17, SL16a, YXD+16]. **frames** [CE17, Chu17].
**framework** [BGV17, BT15, BKL17, CLY+15, CLX15, CG16, CJ17, DEZ16,
FO15, GM16, GGW17, HAPK15, HHA16, HL15b, ISP+15, JTR16, JSVD17,
JC17, KKP15, Lap16, LKK17a, LKK17b, LLM17, LS16b, MR17, MW15,
MZ15, OD17, RW15a, TB+15, TM16, TABR17, XDVW17, ZLH+17].
**frameworks** [AAL15]. **Fredholm** [XZ15]. **Free**
[AK15, AS17, Ana15, ALM15, BD15a, BK17b, BDG+17, BFI+18, BAR15,
CMH15, FH17, FPDT17, FKY15, FC16, GP17, GG15, HHA15, HR17, KLSF15,
KO17, LX+15, LS16c, LW17e, LEB+17, MNG15a, MG15b, MG15b,
MD16, MTZ16, MTK+16, NWKC16, PSS17, Pes15, PBBK15, RRM+16,
RDG17, RZ15, Say17a, Sav17b, SLB+16, Sla16, TBO+16, VGF16, XLY15,
XYPT16, XL16, YSWW16, YFJ17, YCS+17, ZFZL15, ZD15a, ZSS+17, GS16].
**free-boundary** [FH17, HR17]. **free-flow** [MTZ16]. **free-slip** [KLSF15].
**free-space** [VGF16]. **free-surface** [HHA15, LS16c, MNG15a, MD16, NWKC16, RZ15].
**Freeman** [HB15b]. **freestream** [AHNF15]. **frequencies** [ALM+17, LQB16]. **Frequency**
[LS15a, WT16, BZ16a, BMN15, CDL17, CC17c, CLQ17, HBR15, LHMB16,
NKN+17, NNW17, Pa15, Pa17, SZW+16, SXL15, Tre16, ZZ+17a].
**frequency-dependent** [SXL15]. **Frequency-domain** [LS15a, LHMB16].
**Frequency-independent** [WT16]. **Fresnel** [DKTH15]. **fretting** [CLB+16].
**friction** [MDBC17]. **frictional** [ZVO15]. **fron*/ [ASB+15]. **Front**
[MP15a, CCM15, GSN17, IM17a, Kim15, dJRP+15]. **front-tracking**
[dJRP+15]. **fronts** [Kim15, MW17b, SP15b]. **Frroude** [CDV17]. **Frozen**
[LYA16, LLY15]. **FSHL** [WHL17]. **FSHL-based** [WHL17]. **FSI**
[BHST17a, BHS17b, LHB+16, Liu16, LHW+17]. **FTLE** [NJ15]. **fuel**
[CLB+16, MTL+17, PBA+15]. **Full**
LXSC16, ST16, ZKS+15, AEL+17, CXX16, DBD+17, HdBH+16, Hig17, Ido16, KYPK15, MKYZ17, MAM16, MDP+15, PKN17, Par15. full-
[Ido16, KYPK15, Par15]. full-angle [Hig17]. Full-wave [ST16].

full-waveform [MKYZ17, PKN17]. Fully
[AVT17, FLV15, KSI17, LSMS17, NN15a, NLW+16, PKLC17, WSP17, XDvW17, BA15, CC16a, CS16a, CCGH17, CLNH15, CvKH16, Del15, EKEB16, FRW16, GS15b, HYK+16, JHT+18, KBG+15, LLD+16, LM15a, LMKS15, MJ16, MNO+17, MTJ17, NN17, OvdHVH16, PR16a, PP17, PBC+17, QWXZ17, SMOM+17, TCSM15, TH18, Xia15, ZLY15, MHL17].

Fully-coupled [XDvW17, TH18, MHL17]. Fully-implicit
[AML18, BR17, Cha16, CVK16, GBvZB16, GKE15, HXB15, KMG16, KW16, LB15, LC16, MG15a, MF17, MJ17, OD15, PD15, Sha17b, SP15b, TZZS17, WQZ15, XYPT16, YSW15, YC16, ZXL17]. function-based
[YSW15]. function-generated [MF17]. Functional
[GS16, OLb+17, AJP15, AKZ16, AAB+16, BHZ16, BEJ15, GZ18, NP16, NGy+17, RS17, Tav15, TVB+16, ZLK+17]. functions
[BVM+17a, BC16b, CLP16a, FBW16, FC16, GRI15, HBR15, KDF15, KMGR16, LC18, LC17b, LHY17, MVK15, MR16a, MDT16, STR15, SKS17, VGF16, WC16, WF17, XL17a, ZKS+15]. fusion
[FBC+16, GDS+16, HYK+16, JH15, LKK17a, LKK17b, RKH15, RAM17]. future
[MSV16]. fuzzy [ASB+15]. FVTD [BTGM17].

G [MBM+15]. G-FDTD [MBM+15]. Gabor [DvB17]. Galerkin
[HN17a, TRL15, ZN16, AG16, AM17a, AS15, ADK+17, BFI+16, BH16a, BFI+18, BDM17, BCJL17, BFT17, BD17, BCB17, BT15, CBA17, CWM+16, CHOR17, CHY16, CS17a, CYL+16, CCKQ15, CK16a, CK16b, DGMT17, DMI17b, DLL+17, DL16, HEM15, FWK17, FNP17, Fer17, FGBL16, FB16, FSB16, FS17b, GS15b, GW16, GCV15, GS17, GX15, GY15, H16a, HGR16, Hig15, HGN17b, HJ16, HJ17, JLLZ15, JLL17c, JHT+18, KFF+17, KRF16, KG15, KFW17, LM16, LMP+16, LW17a, LX18, LT16, LP16b, LY16b, LW17c, LKS17, LHL15, LI15, LSI16, MS16a, MK17, MG15b, MN16a, MKC17, MF16a, MSP15, MS16b, MSB+16, MMPS17, MWYZ16, MH17, NJ15, NPC15, NPR15, NDC17, NLW+16, OH17, OKE17, PL16a, PE16a, PP17, PND16, QSY16, QDH15, RXS15, RDM15, Say17a, Say17b, Sch16b, SMP16, SLB+16, SZ15a].

Galerkin
[SDW16, SE16, ST16, SCS18, TH18, TSC17, TD16a, TD17, TEu16, TXKvV15, TXKvV16, UL16, URL16, WW15, WZ15, WTC16, WLE17, WW17, W15, WBM+15b, WH16b, WTX17, Xia15, XJL15, XL16, YY16, Zha16, ZLH+17, Zha17c, ZBZT17, ZT17, dFV17, vOMB17].

Galerkin-Fourier [Fer17]. Galerkin-free [BFI+18, SLB+16].

Galerkin-mixed [GS15b]. Galilei [GBU15]. Gamblets [OZ17]. gap
[MHJ15], gaps [QYF15]. gas [AA16, AEW18, BLV17, BTA17, CX15, CXL16, CCL16, CLM15, DMAM15, DY16, DLR15, FSB16, GB16, GJ15,
GRP
Guaranteed
Guided
GW
Guaranteed
Guided
H
Half
Half-range
Half-spaces
Hall
Hamiltonian
Handling
Hard
Hard-core
Hard-sphere
HARM
Harmonic
Hasegawa
Haut
HDG
HDMR
Heart
Hemodynamic
Hemodynamics
Hermite
Hermitian
Heterogeneity
Heterogeneous
Hierarchical
High
Hermitean
Heterogeneity
Holographic
High
Hopf [EEG +15, LDOK17, LP17a]. horizontal [FDS +15, SHLG15]. Hot
[HED +16]. hp [CC17a, CK16a]. hp-adaptive [CC17a]. HPC [BLA +15].
HRSSA [MPT16]. hull [LM15b]. human [ANL +16, NCP +17]. Hurwicz
[DFM17]. Huygens [KLMQ17, LQB16]. HWENO [CQQ16, LHQ16].
Hybrid [CSS15, Cho15, DG16b, DEZ16, HML17, LZZS15, MJ17, MI17,
SSDN15, SW17a, SGA +15, AVT17, ALM +17, ADSS +15, BT17a, BBK16,
BBB +16, BFTVC18, CWM +16, COV18, CFPB17, CBN +16, CG15, CCGH17,
CYYW17, DD17a, DTA +15, Dod17, EARA15, FLW16, HXLL15, HWA15,
HY15, Id16, KD17a, KP15, KHC +16, LSLA16, ML +16, LPRB15, LHQ16,
ML17, MPT16, MS16b, MR16a, MAM16, MN16b, MF16a, Niu16, PL16a,
PBC +17, PWP15, RB15, SWL15, SCS16, TAJ +17, TIC16, WMY16,
WPB15, WR16, XWL +16, XDSX17, XX17, XML17, Y16a, YWS +16,
YX15, YB17, ZKKF15, dLCGCA17, AB15, GSS15b, RKO +17b].
hybrid-dimensional [XML17]. hybrid-Lagrangian [KHC +16].
Hybridizable [UL16, NPRC15, SMP16]. hybridized [BT15, FNP17].
hydraulics [CBN +16, SSC +16]. hydro [CYS17, MR15].
hydro-dynamically [CYS17]. hydro-geophysical [MRP +15].
hydrodynamic
[KV16, LCF16, MBW +15, MBW +15b, NJPB17, Ram17, ZYSW16].
hydrodynamically [PMGW16]. hydrodynamically-consistent
[PMGW16]. Hydrodynamics [AWS16, DRM15, FRO17, MLD16, BLK15,
BHE +17, BMK15, CG16, CG15, CM18, DDD18, DD15, DSH +16, Guo15,
GFW16, Li17, LS16c, LS16, NT15, PKP +17, PLB18, QSY16, RKO +17b,
TOR +15, TL17, WT15, ZS16, ZHA17b, TP16a]. hydrogels [LJ15].
hydrology [MR16]. hydrophobic [Fed17]. hydrostatic
[AZ16, GDFL17, LX18, YP17]. hyper [MG15b, Ts16]. hyper- [Ts16].
hyper-viscosity [MG15b]. Hyperbolic [NL18, NN16, PM15, BD16b,
BN17, BK16b, BLD15, CTG16, CSG17a, CSG +16, DPRZ16, DB16b, DPRZ17,
EFT15, FS17b, FFA17, IDG15, JXZ15, KKS15, KKS16, KA15, LMS17,
LM15B15, LP17a, MA17, MN15, MN16a, MR16, MHD15, MB15, NM16,
NN15a, NW15, OZ15, PRR17, POS16, SW17a, SPP16b, TLQ15, TM15a,
TM15b, TC15c, TPB16, VNA15, WTX17, YJ17, ZQ16b].
hyperbolic-equation [KKS15, KKS16]. Hyperbolization [VST16].
hypercontraction [LY15c]. hyperelastic [BM16, CWW17].
hyperelasticity [HFM17]. Hyperbolization [VST16].
I2D [RHVR +15]. IBM [SHP +16]. IBSE [SGT17]. ice [ALKZ16, AS17,
ALTR17, CLvS17, IPS15, KDL15, MR17, RW15b, SR10, WTL17]. ideal
[BK17c, BND16, CFST16, DWG17, D17K, KW15b, PL16b, WSH +17,
WG16b, WDG17, XL16]. Identification
[CGM15, KM16b, TBLM15, BCB15, EFHZ17, ST15, ZFPB16]. identify
[SPM +15]. Identifying [WTS +17]. IGN [ZED15]. I2
[DLC15, BD15b, BHST17b, BFFB17, CE115, EFT15, GPS17b, GY17,
[HMRG16]. **Including**

[Gen11, Gho17, BKG15, Guo15, HHM17, Hig17, LB15, SGP17b]. inclusion [TSR15]. **inclusions** [DCA16, LKB15]. **incompressibility** [ZZKF15].

**Incompressible** [LSR16, RV16, ZS16, ACS16, BHST17a, BHST17b, BFI18, BCB17, BFTVC18, CCRdL17, CS16c, CX16, CCKQ15, CS17b, CCM17, CLP16b, Don15a, DS15c, Don15b, Don17, Fan16, FWK17, FLV15, Fer17, GTG15, HPY18, HP17, HTMP17, Kla15, KW16, KFWK17, LVTR15, LE16, LRA17, LHB15, Li17, LZ17a, LS16c, LC16, LC17b, LZW15, LHA15b, MHHX16, MC15, MPFL16, MHS16, MR16b, NT15, OVP15, PG17, PKP17, PL16a, PLLC16, PF16, PND16, PBBK15, PQR17, QYF15, RBJS15, RDM15, SL17, SLY16, SSO15, SGT17, SST15, TLH15, TD16a, TOR15, VL15, VK15, Vre17, WD17, WSS15, WSHT15, WSF17, XWL16, XX16, YSWS16, YZZ15, dFJN16]. **Incompressible-compressible** [LSR16].

**Incorporated** [LHW17]. increased [DBZ17]. Increasing [Die15]. increasingly [KMGR16]. **Incremental** [SKS17, CBN16]. independent [CLM16, WDG17, WT16]. index [LTKA15]. indicator [FS17b, HC18].

**Indistinguishable** [SD15]. induced [BPGL16, FRL15, HDA18, YR15]. inducing [LAA16]. induction [ACC15, BK17b]. **Inductively** [MNO17, TC15d]. **industry** [VWV17]. **industry-standard** [VWV17].

**Inequality** [OKE17, YSY17]. **Inertia** [MDP15]. Inertial [Ram17].

**Inextensible** [RV16]. inextensibility [Vog17]. **inextensible** [RV16]. inference [CZB15, HKKP16, HYL17, IPSG15, LYLK17, MPP15, NS16, SPP16a].

Inferring [RPK17a]. infiltration [MRP15]. infinite [And16, BGL17, CZB15, GBD17, HYL17, MJ17, SHLG15]. infinite-dimensional [BGL17]. **Inflow** [KHIN16, CSLL15].

**Inflow/outflow** [KHIN16]. Information [GKRB17, KRBW17, LKK17a, LKK17b, LS16e, RM15]. informed [CLM16, CMW16, XWW16]. **inhomogeneity** [AJP15, LPWK15].


insoluble [SA16, dJRP15]. instabilities [MCS16, XLL17]. instability [CC15, DNOP15, MHZ15, RLV16]. **instationary** [AMM15]. Integral [Vee16, AA17, AB15, BN15, CCZ16, CLX15, CGRV17, CR17, CC17, Dn17, Dd17, Gen15, HHC15, HSSZ16, JL16, KHP17, LGO17, LD16b, L15c, MKY17, MS17, Moh15, OT15, PLL15b, RY15, RMA17, SL16a, SO17, SV17, TP17, Tsa15, Tsa16, XZ15, ZG16, Zil15, aKT16].

integrals [BPF16, LO16, Tsa15, Tsa16]. **integrated** [SSC16].

integration [BCM15a, BBBG15, BEQ15, EMSS17, FCL17, GZY16, GP16a, HEPG15, JZ16, JFS17, LMS17, LLVF15, MM16b, MT16, NDCB17, SXBB15, SAOW17, TW15, TW17, TC15c, WC15, Web14, WBC16, WHE17, ZJS15].

[AP16, CT15, LYZ15, LY15b]. Laws [BD15b, Bal15, BT16, BMRA+15, BKF16b, BLD15, CHOR17, CS17a, Cho15, CTM+16, Del15, EFT15, FS15, FS17b, FHA17b, HLS15, HAH16, IC17, IDSG15, LMS17, LMBZ15, LS16, MDVM16, MDHC15, MB15, NMM16, Nor15, PxRS17, SW17a, SWZ15, SWLZ15, SW16, TLQ15, TM15a, TM15b, VNA15, ZP16, ZQ16b]. Lax [DDJ18, FLW16, Heu17, LDOK17, LFT+16]. Layer [BG16a, CMH15, DGHP17, DKK15, HRJ+16, KM16a, KHP17, NL18, PM16, SN15, SdH15, SD16, SJH+15, WG16a]. Layered [BD15b, Bal15, BT16, BMRA+15, BK16b, BLD15, CHOR17, CS17a, Cho15, CTM+16, Del15, EFT15, FS15, FS17b, FHA17b, HLS15, HAH16, IC17, IDSG15, LMS17, LMBZ15, LS16, MDVM16, MDHC15, MB15, NMM16, Nor15, PxRS17, SW17a, SWZ15, SWLZ15, SW16, TLQ15, TM15a, TM15b, VNA15, ZP16, ZQ16b].
measurements [EST17, SNB+15]. measures [Opp17]. mechanical [GDFL17, KBG+15, KGP+17, LMC16, PD16b]. mechanically [ZSX17].
mechanics [BT17b, CGC17, DPRZ16, DPRZ17, FRL15, FFJT16, Jac17a, KGP+17, MSH+15, NRZS17, Sel15, YT17]. mechanics-based [KGP+17].
mechanisms [WTS+17]. mechano [FRW16]. mechano-chemical [FRW16]. media [ABI17, AEVW18, An17, APKP16, BTGM17, BDMC15, BPS17, BCJL17, BSWG15, BKKRB16, CLQ17, CS17b, CLNH15, CvKH16, FPT17, GFG+15, GH17a, HSK+15, HN17b, KJ17a, KLRT15, LP16a, LHM15, LT15, LJT17, LN15, MP15a, MVZ16, MTD15, ML16, OL16, PF16, SSL17, SPX+18, SWML17, SMT+16, Si16, TWH15, TAH16, VS17, Vol17, XML17, YJ17, YGEM17, YSY17, YB17, Zad11, ZZ17b, ZWUR16, dMRHJ17].
medium [BNM15, BKL17, DvB17, GCVCHH18, HM17, Iwa15, LTKA15, LH17b, LRGO18, MSS16, NH17]. MEEVC [PG17]. melt [RTO15].
membrane [CJYZ15, MTK15, XR17, YM17b]. membranes [LAA16, MTK17, RG15, RAMB15, SMA+16, SMOM+17]. Memory [SZ17, AMK17, DOO17, FYO+15, MBSS15, MVZ16, TP17, WLC15].
memory-efficient [DOO17]. Memory-optimized [SZ17]. Mercer [AABD15]. merging [KK17b]. Mesh [BV15, LS15c, Sla16, WBC16, APP+16, AB16a, AMS17, BHZ16, BOA17, BSM16, BD16, CTR+17, CW17, CHJT17, DRP+16, DvW15b, DMS17, Fid17, FGB15, FP16, GBR15, GBvZ16, GS17, HS17b, HIN+16, HLL+16, HDA+18, HK15b, HW16c, JW15c, KF15, KAR17, KLRT15, KS17, LSLA16, LS16b, LNM15, Loz17, MCW16, MW17b, MSB+16, NH17, NIS15, OKWE17, OD15, RBJS15, SRB017, Say17a, Say17b, SK17, SW15, SFP16, Sb15, SJX17, SZS15, TVB+16, WQZ15, WDS15, WKE17, XL17a, YHQ15, ZL15b, ZZ17b, ZJ18, ZL15c, dICA17]. mesh-decoupled [OD15]. Mesh-free [Sla16].
mesh-induced [HDA+18]. mesh-to-mesh [WKO17]. meshes [APP+16, AAE17, ATF16, AM17b, BCST17, BD15a, BD15b, Bal15, BT16, BDZ15, BD17, BRW15, CGK17, CWM+16, CHY16, CSM17, CLTX15, CCM17, DSH+16, DvW15b, DL16, DMTB15, EdvW17, FLHA17, Her16, HR17, Ism15, IM15, JBO15, KKL17, KDPK15, LLD+16, LSLA16, LMG15, LLP+16, LYT16, LL16b, LJ16, MSD+17, MHS16, MBW+15b, MW17b, MM17, PX16, PM16, PR17a, PL16b, QD15, Ragi15, RGW16, SAEF17, SL17, SWM17a, SWM17b, SWL15, SYM17, SXX16, TLQ15, TD16a, TD17, TC15b, TLR16, VST16, WWR16, WHY17, WWKG17, XP15, ZZ17, ZQ17, ZXDL17].
[ACGR15, BQCG17, CE17, Chu17, GFG+15, LFR17, MC15, RKO+17b, SMAG17, ABI17, AM17a, ARG+17, AMN18, AASRT17, ABG+15, AR16a, APR+15, ACCCDA16, ACCCD+17, ALKZ16, ASB+15, AB16a, AMS17, ASS13, ASS17, AP16, ADK+17, ACS16, ACJ17, AT18, AB15, AAPB17, AB17, ALTR17, ANL+16, AJVH17, BCSK17, BK17a, BM15, BFI+16, BZ16a, BXY17, BDG+17, BJWZ17, BV15, BLA+15, BFB+17, Bat17, BBB+16, BC16a, BC16b, BH15, BM15, BFI16, BZ16a, BDG17, BJWZ17, BV15, BLA+15, BFB+17, Bat17, BBB+16, BC16a, BC16b, BS15b, BAR15, BGG16, BFT17, BTA17, BKKJ17, BHTT17, BLC+17, BHF15, BTWY15, BC16d, BFTVC18, CQQ16, CAI16, CZW17, CDM+16, Cchl15, CF018, CHT17, CTJ+17, CW17, CJD+17, CXH16, CCZ16, CX16, CZ16, CH17, CZ17, CL17, CWWZ17, CYL+16, COV18, CSG17, CDN17, CLR15, Cho15, CLL17, CFST16, CB16+16, CLQ17, CVG18, CPS17, CSK16b, C16a, CSH15, CLM15, HJZC17, HN17a, HN17b, HSC16, HHLY17, HZ17, HLU15, HLY15, HJ16, HLSY16, HC17, HY15, HYY15, HZ15, HSSZ16, HHY16, HW16c, HMRG16, Hwa16, hi15, ii17, IK15, IML15, IM17a, ION+17, JL17a, JKE+17, JSS15, JPLL15, JW16, JCL15, JST17, JLLZ15, JL17c, JLF17, JGS16, JTD16, JJ17, KTN15, KKS15, KN15, KSF15, LS15, L15, KG17, KL15b, KJJ15, KL17b, KDL15, KR17, KO17, KLNH17, KCS+17, KP15c, KK17b, KS16d, KLWQ17, KM15, LTB16a, LS15a, LMS17, LDL+16, LY15a, LM15b, LFRH17, LMG15, LML+16, LC15, LPW15, LH15, LLS15, LFDP16, LBZA16, LW17c, Li17, LMBZ15, LX17, LC17a, Lia16, LST17, LLLNS16, LLS17, LSD+17, LMM16, LTB16b, LC16, LC17b, LD15, LDWZ15, LST+15, LY16c, LY16b, LWB+16, LK16a, LW17e, LTXB17, LWY18, LYP17, LHGF16, LQB16, LT17c, LZW+17, LHA15b, LSZF15, LP17a, LWC17, LRGO18].

method [LV16b, CM16b, CLP16b, CLM17, CYWL17, CLNH15, CvKH16, DM17a, DD17a, DMAM15, DM16, DCA+16, DKPC15, De15, DGMT17, DG16b, DZ16, DS16, Did17, DLR15, DLNR18, DF16, DMS15, Dod17, DAO17, DVP+16, DWW15, DLL+17, DL16, EDC16, ESHA16, EL17, EKSS15, EKES16, ELH+16, FGL16, FBL17, Fan16, FS16, FHS17, FMRZ17, FG16, FCI17, FBF15, FP17, FGLB16, FB15, FLHA17, FHA17a, FSM16, GSN16, GB15b, GP17, GHM15, Gam15, GZY16, GH17a, GP16a, GLT18, GZ17, CVG18, CPS17, CSK+16, C16a, CSH15, CLM15, HJZC17, HN17a, HN17b, HSC16, HHLY17, HZ17, HLU15, HLY15, HJ16, HLSY16, HC17, HY15, HYY15, HZ15, HSSZ16, HHY16, HW16c, HMRG16, Hwa16, hi15, ii17, IK15, IML15, IM17a, ION+17, JL17a, JKE+17, JSS15, JPLL15, JW16, JCL15, JST17, JLLZ15, JL17c, JLF17, JGS16, JTD16, JJ17, KTN15, KKS15, KN15, KSF15, LS15, L15, KG17, KL15b, KJJ15, KL17b, KDL15, KR17, KO17, KLNH17, KCS+17, KP15c, KK17b, KS16d, KLWQ17, KM15, LTB16a, LS15a, LMS17, LDL+16, LY15a, LM15b, LFRH17, LMG15, LML+16, LC15, LPW15, LH15, LLS15, LFDP16, LBZA16, LW17c, Li17, LMBZ15, LX17, LC17a, Lia16, LST17, LLLNS16, LLS17, LSD+17, LMM16, LTB16b, LC16, LC17b, LD15, LDWZ15, LST+15, LY16c, LY16b, LWB+16, LK16a, LW17e, LTXB17, LWY18, LYP17, LHGF16, LQB16, LT17c, LZW+17, LHA15b, LSZF15, LP17a, LWC17, LRGO18].

method [LV16b, CM16b, CLP16b, CLM17, CYWL17, CLNH15, CvKH16, DM17a, DD17a, DMAM15, DM16, DCA+16, DKPC15, De15, DGMT17, DG16b, DZ16, DS16, Did17, DLR15, DLNR18, DF16, DMS15, Dod17, DAO17, DVP+16, DWW15, DLL+17, DL16, EDC16, ESHA16, EL17, EKSS15, EKES16, ELH+16, FGL16, FBL17, Fan16, FS16, FHS17, FMRZ17, FG16, FCI17, FBF15, FP17, FGLB16, FB15, FLHA17, FHA17a, FSM16, GSN16, GB15b, GP17, GHM15, Gam15, GZY16, GH17a, GP16a, GLT18, GZ17, CVG18, CPS17, CSK+16, C16a, CSH15, CLM15, HJZC17, HN17a, HN17b, HSC16, HHLY17, HZ17, HLU15, HLY15, HJ16, HLSY16, HC17, HY15, HYY15, HZ15, HSSZ16, HHY16, HW16c, HMRG16, Hwa16, hi15, ii17, IK15, IML15, IM17a, ION+17, JL17a, JKE+17, JSS15, JPLL15, JW16, JCL15, JST17, JLLZ15, JL17c, JLF17, JGS16, JTD16, JJ17, KTN15, KKS15, KN15, KSF15, LS15, L15, KG17, KL15b, KJJ15, KL17b, KDL15, KR17, KO17, KLNH17, KCS+17, KP15c, KK17b, KS16d, KLWQ17, KM15, LTB16a, LS15a, LMS17, LDL+16, LY15a, LM15b, LFRH17, LMG15, LML+16, LC15, LPW15, LH15, LLS15, LFDP16, LBZA16, LW17c, Li17, LMBZ15, LX17, LC17a, Lia16, LST17, LLLNS16, LLS17, LSD+17, LMM16, LTB16b, LC16, LC17b, LD15, LDWZ15, LST+15, LY16c, LY16b, LWB+16, LK16a, LW17e, LTXB17, LWY18, LYP17, LHGF16, LQB16, LT17c, LZW+17, LHA15b, LSZF15, LP17a, LWC17, LRGO18].
PLL15b, PF16, PS15b, PR16c, PBKK17, PZF16, PSP16, RVZB15, RBJS15, RG15, RS16b, RW15b, RZ17, RKRGW17, RXSG15, RXS16, RMB15, RTO15, RMC15, RSB15, SY17, SHKL16, SA18, SMT+16, ST17, Shla17b, SWMD17a, SWMD17b, SMP16]. method [SWZ15, SW16, SwS16, SL15, SW15, SZW+16, SSM+17, Shi17, SL16a, SP16b, SLY16, SMA+16, SC16, SYM17, SO17, SPP16b, SMLB15, SA15, SSA17, SZ15b, SDW16, SZ17, SS16c, SMOM+17, SGT16, SGT17, SF16, SHP+16, SCLG15, Sla17, SL16b, SPCH16, SWZ17, Sub15, SLZ+17, SGP17b, SCS18, TWIN15, TCD17, TH18, TW17, TD16a, TD17, TSH17, TAH16, TST+15, TXKvdV15, TXKvdV16, TLLL15, TRL15, TOR+15, TT16, TO15, TFK17, UG16, VBG16, VCNPG15, VBF15, Vgol17, VK16, Vre17, Vc15, WG16a, WY17, WW15, WZ15, WSS+15, WDS15, WE15, WX15, WSJY16, WRL16a, WRL16b, WRPL17, WLWW17, WW17, WCH+17, WLE17, WMYG16, WSN+15, WPB15, WSOW16, WE17, WR16, WWGK17, WCCB16, WZRR15, WH16b, WL16, WYA+17a, WYA+17b, WTX17, XLY15, Xla15, XZ15, XX16, XDSX17, XX17, XY17, XP15, XHC15, XL17b, XXW17]. method [XSL18, YYYY+16, YSC+17, YC15, Yan16a, YCPD15, YHQ15, YS15, YXF+16, YY16, YYN+17, YFJ17, YS17, YZ17, YHUP17, YM17b, YXX+16, YX15, YM15, YT15, YB17, YZZ15, YCS+17, YL17, ZP16, ZCHS15, ZS16, ZND16, ZFZL15, ZS15, ZLY15, ZL15a, ZB15, ZL15b, ZD15b, ZD15a, ZL16, ZL16a, ZL16b, ZL17a, ZSS+17, ZZ17, ZI17, ZHA17a, ZJ18, ZVO15, ZBZT17, ZY17, ZSX17, ZYCK15, ZGD+16, ZZW+16, ZCL17, ZL15c, ZLX17, aKT16, dTP16, dHIC16, vdlJLV16, BDV17, CGJ16, FPT17, GBS15, GLT15, LVTR15, TSFS17, TBLJ15, VAT16, dPSS16]. method-of-lines [SWMD17a, SWMD17b]. methodology [Cac15a, Cac15b, DLK17, FKDL17, KYUO15, LSMS17, MNG15a, MJ16, PBA+15, RLV16, RDM15]. Methods [FFW17, JHPAT17, AAG16, And16, ADH+16, ALT17, AC16, AÁPB17, ALA16, BH16a, BM+16, BDM17, BAVC17, BGGM15, BCJ17, BK16b, BRW15, CC15, CDL17, CWM+16, CQ15, CHZ16, CHY16, CS17a, CWW17, CKQT15, CCKQ15, CRMP16, CVK16, CLX15, CEL15, CK16a, CHLZ17, DD17b, DDD17, DF+15, DZ16, Di15, DB16a, DM17b, DGL+15, DMC15, DZC16, DJ+17, EHX15, EFT15, EARA15, FR16, FSW17, FGLW18, FHE15, FPDT17, FRRV16, FL16, FS17b, GMP15, GO15, Ger17, GFO18, GO16, GLMC16, GH17b, GY17, GXX17, HGR16, HK15, Hen17, Hu17, HXB15, HB15b, IC17, JW15b, JL15, JX15, JX17, JL17b, JW16, JX17, JBL15, JFS17, JSY15, KTK15, KS16a, KDF15, KPKG15, KA15, KA15, KADE17, KE15, KKL17a, Kla15, KRFV16, KG15, KS15b, LSMS17, LBTGC16, LH17a, Lau17, LS15]. methods [LPWK15, LE16, LW17a, LYY16, LW17b, LX18, LY15b, LY15b, LL16c, LGB16, LP16b, LJ16, LKSM17, LYA16, LHL15, LP17b, LS16, MM16a, MRM16, MS16a, MK17, MCW16, MNG15b, MK16, MAP17, MDHC15, MW16b, MW17a, MDM+15, MJ17, MGB16, MSS16, MBKH17, Moc17,
MW17b, MSP15, NJ15, NPC15, NDCB17, NN15a, NGY+17, Nor15, OLDN17, OWKE16, OKWE17, PR17a, Pea15, PR17b, PVB17, PSP16, QSY16, QDH15, RFGSV15, RT16, RHr+15, SGN16, SCN+17, Say17a, Say17b, SWML17, SZ15a, SS15b, SLL16, SLL17, Shu16, SDM+17, SX15, SE16, SGT16, Sti16, SL16c, TSC17, TK15a, TMT17, Tnu16, TL15, Tsa15, Tsa16, UL16, VPv+17, Vee16, VN15, VWV17, WCN15, WJD16, WTGC16, WGE17, XWB15, YSY17, ZK15, ZM16a, ZJL16, ZT17, ZH15, ZZT+16, ZXDL17, dFVJ15, dFJN16, dlCGCA17, CEH16]. Metric [SYV17, SYV14].
metrics [KF15, LTR16].
MHD [BD15a, BBKS16, BK17c, CS16a, DWGW16, DWGW17, HIN+16, LZ17a, MHHX16, PE15, WG16b, WDGW17, YFJ17].

microstructures [HS17a]. microswimmers [Str17]. microwave [BPB+16, HK16b, NOM+17, PKLS17]. midpoint [EMSS17, WH16a]. Mie [GHJ15]. migration [LZ15b, MMN16, Par15]. Mima [HK15a]. mimetic [GL17, KL17b, KD17b, LMMS16, OvdHV16, PKF16, PG17, Pei16, TC15b].
Minimal [BTD16, LKN17, MP15b, PCX17, ZD15a]. minimax [HPV16].
Minimisation [Jou15]. minimization [BH16, GLZ16, JES15, LL16a, LT17c, PHD16, Tav15]. Minimizing [Iwa15, Sto16, ZM16b]. minimum [CM15, RSB16, WY17]. miscibility [KS16c]. miscible [LW17a, SHLG15, SWML17].
mixed [DS16, Fal16, MF16a, RBL16, AVT17, ABN15, BNS17, BS16, CWF16, Cha16, GSi15, GVTQ16, JL17b, KKL15, MJ17, MR16b, NPP15, RB15, SPB17].
Mixed-hybrid [MF16a, AVT17]. mixers [MKV+17]. mixing [BLG+16, WSN+15]. mixture [CZB15, PS14, PS15a].
mixture-energy-consistent [PS14, PS15a]. mixtures [HHM17, KL17a, WZR15, ZYSW16, Zoh17]. MLMD [IBML16]. MLRPI [HSC16]. MMMALE [CZJ17]. mobile [BVM17b, RZ15]. mobility [DD16a, EJZ17, MS17]. Modal [HB15b, SZ15a]. mode [IG15, LW18, ZLL16b, ZLL17a]. Model [BHST17a, LMP15, NP16, SS15a, Sch16a, AAG15, ASB+15, AEL+15a, AEL+15b, AMB17, AEV18, AZ16, AP16, Ama15, APT17, ADHN15, Ani16, AMM+15, BF1+18, BH16b, BM16, BVM17b, BTB15, BLG+16, BCG+15, BG16b, BTVC16, CF15, CBA17, CPT16, CS16a, CL16, CLY+15, CJY15, CZL+15, CY17, CGS15, CEH16, CV16a, CHS17, CDV17, DG16a, DPK17, DKT15, DWW15, DKC15, FB17, FST15, FK17, FKY15, GHM15, GMS16, GFL17, GCVCH18, HXL15, HX16, HK15a, HLU15, HLQ16, HW15c, HW16b, HW18, Hwa16, HY17, Ido16, IG15, Jac17a, JL15, JS17, KMI16a, KC17a, KL17a, KHP17, KK17a, Kor17, KBG+15, KGP+17, KDPK15, LV+15, LS15c, LZB+17, LT17a, LW17, LLY18, LZT+15, LXSC16,
LDGH16, LHW+17, MMNI16, MNG15b, MP17, MP15b, MCHL16, NHM17, NFG15, NMA15, NCP+17, NWKC16, NWZ18, OS16, PD17, PM16. **model** [PS14, PS15a, PMGW16, RMK15, RKH15, ST16, SRB017, SN15, SPD+17, SA16, SAH17, SD17, SYY15, SLB+16, SS16c, SZS15, TP16a, TTN+16, TS17, TD16b, VST16, VCGNP15, WMY16, WW17, WSN+15, XWW+16, XYF+17, XZZ15, YFKS15, YCIBC15, Yan16b, YH17, YZW17, Yan17, Yas17, YP17, YY17, YCS+17, ZL15a, ZC15, ZYSW16, ZXL17, ZWB+18, ZR17, ZWUR16, dSPDH15, dPSS16, tEDKT17, ALA16, JL17b]. **model-based** [FK17]. **model-form** [XWW+16]. **model-order** [ZWUR16, dPSS16]. **modeled** [STG17]. **Modeling** [CSY15, DD17a, DD15, HFM17, PKP+17, PMS15, SSL17, TK16, AASRT17, ANL+16, BB17, BL116, BMR+16, BH16b, BHTT17, CFG16, CW16, CP16, CLvS17, CFPB17, Di17, FB17, FSK+16, GH17a, GHR1, GW16, HAA15, HGR15, HSK+15, HMKH15, HKS+16, JTR16, JH15, JS16, KZ17, KSV+15, KS16c, KZG16, KW16, LYLK17, LHMB16, LMK15, LGD17, LTXB17, LMM17, LYD17, LHA16b, MKY17, MF1, MGK17, MSV+16, MAH16, MF16a, NLFM16, NSK+16, PD16a, RTO15, SBL+16a, SGB+17, SMP16, SCQP16, SK15b, TCA16, URL16, Vai15, Vos17, WB17, XLM17, YLY16, YLK16, YPK16, Zad11, ZCHS15, ZZDB15, ZW16, ZG17, Zoh17, dFSG+17]. **Modelling** [LZ15b, RZ15, YXF+16, ABG+15, BPGS16, BB15, DLI17, FBC+16, MM16c, SS16a, SZF15, TJ+17, YSC+17]. **models** [ABP+16, AA16, AS16, ATF16, BTD16, BLVC17, BH16b, BK16b, BKBR15, CT15, CDM+16, CG17, CS16c, CKQT15, CCM15, CMR+16, DD17b, FOP15, FPT17, Gr15, GH17b, HAPK15, Hig15, HLQ16, KMD+18, KKP15, KL17a, KS16b, KBF17, LM15a, MK17, LPW15, LLL16, LPBR15, MM16, MF16a, NLFM16, NSK+16, PD16a, RTO15, SBL+16a, SGB+17, SMP16, SCQP16, SK15b, TCA16, URL16, Vai15, Vos17, WB17, XLM17, YLY16, YLK16, YPK16, Zad11, ZCHS15, ZZDB15, ZW16, ZG17, Zoh17, dFSG+17]. **Moment-Based** [LZ15b, RZ15, YXF+16, ABG+15, BPGS16, BB15, DLI17, FBC+16, MM16c, SS16a, SZF15, TJ+17, YSC+17]. **Moment-of-fluid** [LGB17, SSI15]. **moment** [STR15, SL16a, SGP17b, ZL17]. **Moment** [IBM16, ALTR17, Bras16a, DL15, DS15d, JST17, KDL15, LBZA16, LM16, MR17, MBD15, MFG15, OD17, RKH15, TCS15]. **monatomic** [WZR15].
Monge [DL17, WBBC16]. monodomain [LZT+15, VLP+16].
monoenergetic [GMP16]. Monolithic [LRGO18, BVMW16, BZ16b, CM16a, PKLC16, PKLC17, PAL+16, ZS16].
monotonic [ZA15b], monotonicity [GMP16].
monotonicity-preserving [DvW15b]. Monte [BC16b, CSS15, Gho17, Mac16, EN17, FDK17, GB15b, GMS16, Gen11, GJ15, GBU15, Hig17, HC17, HM16, ION+17, KM17, KL16, KC17b, KK17b, LS15a, LBTCG16, LYCC17, LB17, LX17, MZT16, MSS16, PJ+16, PU+15, PDS15, RKK15, SY17, TSB15, WBC+16, WL16, XZ15, XR17, YC15, ZLJ16, Zil15, vdKK16].
Monte-Carlo [Mac16, Hig17]. MOOD [BLD15]. Mori [PD17]. morphologies [SMLB15].
movable [IML15]. Moving [SYV17, ABT16, BOA17, BD17, CV17, CTJ+17, CHJT17, CE17, Chu17, DM16, DCBK15, FPDT17, HW18, HKS+16, JGS16, LSA16, LY15b, LD15, LHA16a, MTK15, NJPB17, NH17, ÖPHA15, PR16a, PF16, PR16c, QLF16, SL17, SYY15, STKH15, SYV14, SSA17, SC16, Sub15, TBO+16, TMH16, Vre17, YHQ15, YY17, ZZZ17b, ZLL+17b, dTP16, Gam15].
MRAG-I2D [RHvR+15]. MRT [APT17, KGT15, PMGW16]. MRT/TRT [KGT15].
MS [CLNH15, BHTT17]. MS [DMMBosma:2017:MFV]. MsRSB [SMT+16]. Müller [Fal16]. Multi [BLK15, BB15, Del15, IBML16, JL15, KS16c, LCK16, MSS16, NFG15, Par15, PVPK17, RZ17, RHvR+15, SDM+17, ZL17, LHA16a, MTK15, NJPB17, NH17, ÖPHA15, PR16a, PF16, PR16c, QLF16, SL17, SYY15, STKH15, SYV14, SSA17, SC16, Sub15, TBO+16, TMH16, Vre17, YHQ15, YY17, ZZZ17b, ZLL+17b, dTP16, Gam15].
neutron/photon [BCG+15]. Newmark [RGPS17, SSM+17]. Newton
[AB17, ALTR17, LSM17, PK17, YSY17]. Newtonian
[AS17, CSB15, DPRZ17, RV16, TL17]. NFFT [NPP15]. Nicolson
[FBF15, HY17]. NILSS [NW17]. Nitsche [JGS16, ZSX17]. NLT
[YXX+16]. NN [SW17b]. Nodal [QDH15, CM18, EKEB16, FCL17, GWK16,
LWL17, LSTKM15, TVB+16, WWGK17, XJLQ15, ZS16]. node
[JPLL15, SGP17b, ZY17]. nodes [PR17a]. Noise
[YR15, CHZ16, CVG18, CHLZ17, HJJZC17, KH15, ZLL17a, ZPE+16, ZRE16]. Noise-induced
[YR15]. noisy [CWL+16, RPK17a, SF16]. Non
[ALMJ15, PT17a, RRD16, vdBK17, AMH+18, AD15, ACCCD+17,
ADGN17, ALKZ16, AS17, AB16a, AZ16, ABFR16, AB15, Bat17, BLVC16,
BWR15, Blo17, CC17b, CSB15, CwYjS16, DRM15, DKTH15, DB16b, FN17,
GN16, GL17, HYK+16, HWH+16, HF16, HKKP16, HWA15, HY16, IM15,
KKS17, KJYC17, KZ15, KBR17, LH15, LB15, LY16, LW17c, LJ16,
LA16, MG15a, MK17, MM15, MPP15, OKE17, PK17, PL16b, ST15,
SSL+16a, SL17, Se15, SS16b, SY17, ST15, SPP16b, Spe15, TXKvdV15,
TSST16, TKF17, WR15, WWRS17, WG15, YXYF+17, XML17, YS15, YY16,
YHKPF17, ZFPS16, ZD15a, ZZT+16, QZ17, dHIC16, NW17]. non-adapted
[SL17]. non-adiabatic [BLVC16]. non-aligned [KKLS17]. non-blocking
[LH15]. non-canonical [ZZT+16]. non-classical [Spe15]. non-conformal
[ADGN17]. Non-conforming [RRD16]. 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 [WWR17].
non-equilibrium
[BWR15, CwYjS16, DRM15, HF16, HKKP16, MPP15, STR15]. non-flat
[KJYC17]. non-Fourier [ST15]. non-Gaussian [ZFPS16]. non-graded
[Bat17]. non-Hermitian [ZD15a]. non-homogeneous [HWH+16].
non-hydrostatic [AZ16]. non-ideal [PL16b]. Non-intrinsic
[vdBK17, Blo17, XXYF+17, NW17]. non-isothermal [BLVC16, XML17].
non-iterative [TKF17, YS15]. Non-linear
[ALMJ15, AD15, ALKZ16, GN16, HYK+16, KZ15, PK17, YHKPF17].
non-local [DKTH15, SSL+16a, dHIC16]. non-locality [MK17].
non-Newtonian [AS17, CSB15]. non-oscillatory
[HWA15, HY16, LJ16, QZ17]. non-overlapping [AB15]. non-polynomial
[LW17c, YY16]. non-reflecting [FN17]. non-relativistic [Sel15].
non-smooth [MM15]. non-stationary [ACCD+17, TSST16, ZFPS16].
non-symmetric [GL17]. non-tensor [ABFR16, LB15]. non-uniform
[AB16a, LY16, PL16b, SS16b, SY17, WR15]. non-uniformly [LAA16].
non-zero [KBR17]. Nonaffine [CS16b]. Nonaffine-parametric [CS16b].
nonconforming [VPM15]. nonequilibrium [DFS16]. nonhydrostatic
[SZS15]. Nonlinear
[BGM16, LTT15, dPSS16, ACJ17, ATZ16, ABR16, ALT17, AEAM15, ANL+16,
BM15, BHSK16, BJTZ15, BM16, BCJL17, CBA17, CRW16, CS16b, CLP16a,
Nonlinearly \cite{YSY17}. nonlocal \cite{ATZ16, BJTZ15, CP16, DWW15, DY17, EMZ16, WW17, XJ16, ZGJ16}. nonoscillatory \cite{BR17, HBR15, YC17}. nonplanar \cite{DD16b}. nonseparable \cite{ZKS15}. nonuniform \cite{BJTZ15, JL17a, DV17}. norm \cite{BD16, CM15, DBZ16, Mat17, MO18}. norm-oriented \cite{BD16}. normal \cite{IM15}. normalized \cite{HK16b}. note \cite{AM17b, HS17b, Teu15, YY16, ZW15}. novel \cite{BTVB15, BND16, DWGW16, DWGW17, FFFJT16, FLHA17, HY17, JLFK17, KD17a, KM15, DV17, PN17, TCL15, VST16, WS16, YTW15, ZL15c, ZRE16}. nuclear \cite{DDJ17, GDS16, HBC16, MTL17, PBA15}. nuclearization \cite{FSK16, KK17b}. number \cite{BBKS16, BLMY17, Bon17, BKG15, DCP15, Eva18, GSN17, MM16a, MDP15, MBD15, MA16, NL18, Pan15, RFGSV15, SP15a, WSY15, WDGW17, WMGE17, ZV16}. numbers \cite{KJ17b, TD17}. Numerical \cite{APR15, ALA16, BLVC16, CRW16, CPSF17, CC17c, CCZ15, CVK16, CV16a, DLLV17, DGHP17, DNOP15, DwW15a, EKSS15, HGR16, HB16, HX16, KS16b, KYW16, KYW18, LW15a, LLVF15, LMM17, LAA16, LM15d, Mac15, MR16a, MC15, KKN17, OTS17, OMYvdP15, PM16, RS15a, STKH15, SDFA17, Str17, SS17c, WHL17, YSWW16, YZW17, YY17, ZB15, ZZ17b, ZL17, ZS17, ABI17, AAG16, ASB15, ADH16, AM17b, BCB15, BS15a, BDBEE15, BR15a, BK16b, BC16d, CM15, CW16, CWL16, CY16, CS17, CGA17, CEL15, DM17a, DS15a, LSL18, LSL18, Don17, Don15b, DLS15, DBMB15, EH14, EH15, FNGV18, FW17, FB15, FFFJT16, GB15a, GP16a, G015, GLS15, GN16, GEZE16, GFW16, HPY18, HW15a, HO15, HZL15, HM16a, Heu17, HN17b, Hul17, IM17a, Jac17a, JSVD17, JL16, KTN15, KGT15, KLN17, KCS17, KHC16}. Numerically \cite{LDHJ15, Vab15, LZ16}. Numerics \cite{KHP15, LLS15}. Nunziato \cite{CHS17, DG16a, FRRV16, LDGH16, TT16}. NURBS \cite{SNSG16}. NURBS-based \cite{SNSG16}. Nyström \cite{APKP16, CCZ16}. 
obeying [HK15a]. Object [WW16]. Object-oriented [WW16]. objective [FC16]. objects [GWB+15, LB16]. observer [CCM15]. obstacle [WW15a]. obstacles [BNM15, DM16, ZZ17a]. Ocean [SS15a, Hig15, Kor17, NWKC16, SP16a]. oceanographic [FDS+15]. Octree [MC16]. ODE [CFG16, CB15]. ODEs [BK16b, CNW17, OZ17, TSC17]. ODEs/PDEs [OZ17]. Off [HHK15, HRJ+16, RS15a, ZWG17]. Off-centered [HHK15]. offline [RS15a, ZWG17]. offline [ABI17, SFDE15]. offshore [EZG16]. one [Hue15, Ram17, SL16b, TC15c, AR16a, APR+15, AS15, An17, BDD+17, CHJT17, DZ16, LSTxM15, LW17e, MB15, MLB16, TZS17, VSM16a, WRL16a]. One-dimensional [Hue15, Ram17, AR16a, APR+15, CHJT17, DZ16, LW17e, MB15, MLB16, TZS17, VSM16a, WRL16a]. one-way [SL16b, TC15c]. online [ABI17, CEL15, SFDE15]. on-the-fly [EZG16]. On [Hue15, Ram17, SL16b, TC15c, AR16a, APR+15, AS15, An17, BDD+17, CHJT17, DZ16, LSTxM15, LW17e, MB15, MLB16, TZS17, VSM16a, WRL16a]. One-dimensional [Hue15, Ram17, AR16a, APR+15, CHJT17, DZ16, LW17e, MB15, MLB16, TZS17, VSM16a, WRL16a]. one-shot [BDB+17]. optimally [DJD+17]. optimisation [BCO+15, HKJ17, MKV+17]. Optimised [RSH+17, LH17a]. Optimization [DRP+16, GHH15, RBD17, ADE+17, BABB16, BDP+17, CGC17, CWWZ17, DBD+17, EFHZ17, Fid17, FBC+16, FC16, GGW17, KKZ15, KPKG15, LLY15, Loz17, LBB+17, LZL+17, SLN15, SLN15, TCS17, WDGW17]. Optimization-based [Vos17]. Operator [MM16a, Vos17, BTVB15, CT15, CKQT15, CLX15, DDV+15, GP16c, HYK+16, HS17a, Kas15, KV16, LSL15, LW17d, LYP17, LZL+17, SZ16, SZ17, SLN15, TCS17, WDGW17]. Operator-based [Vos17]. operators [DBZ17, DWGW17, DY17, LN15, LKN17, MN04, MN17, Mat17, MO18, OKE17, Pei16, RÖS16, ROS17, Vab15]. optical [BCJ17, KLWQ17]. optimally [BLL16]. optics [BM15, WT16]. Optimal [FYZ+15, KDF15, LHMB16, OKE17, RG15, VL15, YYL16, BMRA+15, BDB+17, BRW15, ETAG15, FPASS16, GS15c, MM17, SX16, SPM16, SZ15, Tav16, WSJ16, WBBC16, ZILZ15]. operationally [BDBE15, EE16]. Operation [MM16a, Vos17, BTVB15, CT15, CKQT15, CLX15, DDV+15, GP16c, HYK+16, HS17a, Kas15, KV16, LSL15, LW17d, LYP17, LZL+17, SZ16, SZ17, SLN15, TCS17, WDGW17]. Optimisation-based [DRP+16]. Optimized [Bra16c, JLC15, KGS17, LXTB16, SYV17, YWHP15]. Optimizing [TLR16, CFP18]. orbit [SPCH16]. Orbital [LT17e, Fos16, HPV16, PDDG+17, GS16]. Orbital-free [GS16]. optimization-based [DRP+16]. Optimized [Bra16c, JLC15, KGS17, LXTB16, SYV17, YWHP15]. Optimizing [TLR16, CFP18]. orbit [SPCH16]. Orbital [LT17e, Fos16, HPV16, PDDG+17, GS16]. Orbital-free [GS16].
[KGT15, Zau16]. **Pade** [KM16b, SKO17]. **Pade-type** [SKO17]. **Pages** [Kat16]. **Painlevé** [FFW17]. **pair** [Zil15]. **Pairwise** [AMB17, LS16a, WX17, TP16a]. **Pairwise-interaction** [AMB17]. **Palindromic** [CSS17]. **palm** [ASB+15]. **panel** [FS16]. **panel-clustering** [FS16]. **panels** [CPS17]. **parabolic** [BSK15, EDvW17, GY15, LZ16, LMMS16, MBST17, OZ17, PE16b, SCS18]. **paradigm** [Cac15b, PD16a]. **Parallel** [BVMW16, JBLO15, KJ17b, LH15, MMSS15, MGBG16, NVBDV15, SRBÓ17, WDS15, XML17, BLS15, DFGQ16, DG16b, Kas15, LML+16, NN15b, PDoG+17, PJE+16, PP17, PBA+15, RSI6a, RKO+17b, SC16, SOMO+17, WLC15, WS16a, XZZ15, YM17a, YS17, ZYCK15, vdkK16, vdlJL16]. **parallelism** [Sla16]. **Parallelized** [KBK15a, GKRB17, OVP15]. **parameter** [BK16b, CMH15, CMW16, HXB15, ISP+15, LYLK17, MG15b, MNG15b, SD17, ST15]. **parameter-free** [CMH15, MG15b, MNG15b]. **parameterization** [RG15, VD16]. **parameters** [AABD15, CPT16, Don15b, GB15a, LB15+17, NHM17, PKLS17]. **Parametric** [Gri15, Shi17, ATF16, BJWZ17, BH16b, CS16b, TT17a]. **Parametrization** [GPS17a, GPS17b, BFI+16]. **parametrized** [CLTX15, NMA15]. **parareal** [Wu16, WZ17, XHC15]. **parasitic** [MC17]. **paraxial** [KLWQ17, SwS16]. **parity** [MJ17, WKÖE17]. **parity-mixed** [MJ17]. **part** [BN17, SHP+16, TC15a, TKC15, BD15b, BTGM17, BHST17a, BHST17b, CK16a, DLM15, FNGV18, GPS17a, GPS17b, LB15, MBJ16, MBNJ16, Say17a, Say17b, VSM16a, VSM16b]. **partial** [AD17, ADH+16, AEAM15, BZ15, BT15, CZ16, DLL+17, FBL17, Fal16, GXX17, HO15, JX15, JX17, KNS15, KR17, KS16c, LL16c, MS16a, Pes15, RMP18, SR16, Sub15, TST17, TO15, VCNGP15, VBG+17b, YHKPF17]. **partially** [MS15a, PD15]. **Particle** [AB15, CLMZ17, FRO17, Gam15, MDL16, TP16a, YDCK16, AMB17, AWS16, AP16, BLK15, BKK17, BLC+17, Bra16a, Cac15b, CGS15, CCL16, CLM15, Cos16, CMR+16, DDI15, DTA+15, DPK17, DKC15, Eva18, GB15a, GMP16, GFA+16, GG15, GB+15, GAJ15, HWH+16, HSLQ15, HSLQ16, HM17, HM16b, ID17, Iwa15, JLC15, JST17, KGS17, KV17, KK16, LKB15, Lap17, LN17, LPWK15, LS15b, LS16a, LL15, LS16c, LSR16, LY17, MRP+15, MCW16, MC16, MHZ+15, MS17, MFG15, NOM+17, NT15, PPL+15a, PKP+17, PR16c, PMF15, PWP15, RBJS15, Sel15, SP16b, SMAG17, SE15, Sto15, SPCH16, SGP17b, TYD16, dCPDC+17, TÖR+15, TSFS17, TPB16, TL17, WSN+15, WCCB16, YXD+16, ZB15, ZHA17b, ZZKF15, ZPE+16, ZRE16, DDDD17, FHA17a, MNO+17, MSD+17, WSJY16]. **particle-based** [ZPE+16]. **Particle-in-Cell** [CLMZ17, BLC+17, Bra16a, GFA+16, HWH+16, MHZ+15, PMF15, SPCH16, dCPDC+17, WCCB16, YXD+16, DDD17, MNO+17, MSD+17]. **Particle-in-Cloud** [WSJY16]. **particle-laden** [AMB17]. **particle-mesh** [MCW16, RBJS15]. **particle-particle** [LY17]. **particle-resolved** [CMR+16]. **particle/finite** [PWP15]. **particles**
particles-fluid [WSP17]. particulate
[CLM15, DM17a, DSH+16, KK17b, LHW+17, NLFM16, RFGSV15, SKF15,
SGC+17, Tao16, TP16b, TKF17, WSP17, YC15, Yan16a, aKT16].

partition [BHKS16, BMPS18]. Partitioned [LPB17, WED15, BHST17a, BHST17b,
BCM15b, LLEK17, LHB+16, MBHS17, Sla16]. partitioning
[FLHA17, LK17, NSB15]. parts [DBZ17, FN17, GWK16, MN04, MN17,
NN17, NR17, NG17, PS15b, ROS16, ROS17, LKN17]. Pascal [LY16a].
passive [KLNH17, KSI17, LRZ17, MZ15, WSP17, Zoh17].

dispersal [BHKS16, BMPS18]. Partitioned [LPB17, WED15, BHST17a, BHST17b,
BCM15b, LLEK17, LHB+16, MBHS17, Sla16]. partitioning
[FLHA17, LK17, NSB15]. parts [DBZ17, FN17, GWK16, MN04, MN17,
NN17, NR17, NG17, PS15b, ROS16, ROS17, LKN17]. Pascal [LY16a].
passive [KLNH17, KSI17, LRZ17, MZ15, WSP17, Zoh17].

Path [HKKP16, KKCZ15, CC17b, Cot16, Gen15, LO16, Opp17, SV17, Zil15].
Path-space [HKKP16]. paths [LB17]. patient [BFI+16, ISP+15, PVFN15].
patient-specific [BFI+16, ISP+15, PVFN15]. pattern
[AEAM15, SPM16, ZYW16]. patterned [PKB15].

Pauli [RMC15]. PAW [STHW17]. PB3D [WSH+17]. PCA [VD16]. PCFE
[CC17a]. PCM [LFR17]. PDE
[BSK15, CFG16, CNOS15, GBR15, SG16, TD16b, VBG+17b]. PDE-based
[BSK15, VBG+17b]. PDE-constrained [TD16b]. PDE/ODE [CFG16].
PDEs [KHP15, Kat16, AW16, BFBB17, LI17, CM15, CNW17, CL16a,
DL17, HIL15b, HILY17, LW15b, LTR17, MJ17, NVBDV15, PR15c, Shu16,
SGL17, TSC17, Wu16, ZILZ15]. Peaceman [SwS16]. PEC [HGR16].

peeling [WSH+17]. peeling-ballooning [WSH+17]. peer [LH17a].
penalization [EKSS15, GWC17, HKLW15, SHW17, TK15a]. penalized
[SZ15b]. penalty [CM16a, Fer17, GSN16, OKE17]. penalty-projection
[CM16a]. [CSK+16, MSP15]. continuum [SSD15]. deexcitation
[YCB15]. DEIM [SS15]. differentiation [LAK+16]. discontinuous
[MH17]. dissipation-preserving [SL16c]. dynamically-orthogonal
[BCK17]. embedded [Cho15]. explicit [CB15, Tie16]. FD
[PZNG15, PGG18]. FEM [Dod17]. Finite [GSS15b, BFTVC18, KW15a].
fluid [MAK15]. Ghost [LVR15, GLTB18]. Gross [ATZ16, ABR16]. hp
[MSP16]. IB [PZNG15]. kinetically [FGL16]. kriging [MS16b]. Level
[VALT16]. low-order [CCK+17]. Monte [GDS+16]. Moulton [CM16a].
OCTREEs [GTG15]. PDEs [OZ17]. recombination [YC15]. singletrace
[JHPAT17]. spectral [CL16]. stochastic [TAJ+17]. thin-walled [FL15].
TRT [KGT15]. under-resolved [MMP17]. Yin [ZA15b]. penetrable
[APK16]. Perfect [WRS17, FSB16]. Perfectly
[SJJH+15, BJK17, CMH15, DKK15, Par15, Par17, PD16b, DCCC16].
perform [Bra16c]. Performance
[Par17, ZGW17, DLM15, ET17, HAKP15, MC15, PKA+16, RGP15, SY17].
periodic [BB15, DCA+16, DKT15, GS16, HNJ17a, LKB15, LB16, MVZ16,
NL15, ST17, SWZ17, Pan15]. periodicity [NPP15]. permeabilities
[MTK15]. permeability [BDMC15, MTK17]. persistent [WW16].
perturbation [CDM+16, HNJ17a, HNJ17b, SY17, UG16, WHCN17, YM17c].
perturbation-method-based [CDM+16]. perturbative [Fal16].
[BG16b, HW15c, LJZ15, ZW16, ACGR15, AASRT17, ABG+15, Ani16, AT18, AB15, BCST17, BGN15, BAVC17, BGJ+15, BR17, BKG15, BKKR16, CGK17, CJYZ15, CS16c, CKQT15, CYS17, CS17b, CG16, DD16a, DD15, DGMT17, EHXM15, FGL16, FB17, FMRZ17, Fed17, FPT17, GGL+17, GHL+16, HHA15, HHM17, HBR15, HSB16, HTMP17, HW16c, HTBG15, JTR16, JS16, JS17, KJ17a, KS16c, LVTR15, LSL15, LRA17, LPGT16, LWY17, LSD+17, LY16c, LDGH16, LY17, MNG15a, MN16b, NPRC15, NLD+16, OTS17, OT15, PKB15, PS14, PS15a, PGM17, RV16, RTO15, RZ15, SPX+18, SHA16, Sha17a, SYY15, SL16, TH18, TK15a, TT16, VS17, WJD16, Wic16, WKSS15, WT16, XSL18, Yan16b, YSY17, YY17, ZZ17b, ZYSW16, ZYCK15, dJRP+15, tEDKT17]. phase-based [NPRC15]. phase-dependent [DD16a]. Phase-field
[Don15b, CHZ16, HX16, LS16b, LLY18, SAH17, WT15, WT16]. physical-based [LY18]. physical-constraints-preserving [WT15]. physically [HKS+16, PA15, WED15]. Physics
[HYK+16, KJ17b, TC15a, TKC15, CCL16, FLT17, GJ15, GAJ15, LW17, SV17, SK15b, TCM15, TCS16a, TCS17]. plane
[CV15, DDD+17, IG15, OLHD17, PDG+17, ZZW+16]. plane-wave [PDG+17]. planet [LML+16]. planet-plasma [LML+16]. planetary
[BLC+17]. planewave [CDM+16, PUA+15]. planewave-based [PUA+15]. plasma
[Ama15, BZ16a, BJK17, Bra16a, DS15a, DD17b, DNOP15, ESGS17, FH17, GDS+16, HYK+16, HWH+16, HR17, IK115, KHTZA16, KS18, KHC+16, LML+16, MP15b, MP16, RKK15, SZ17, SS16c, SJH+15, TCI15d, TSI15, Yan16a, ZD15B, GFA+16, MAM16]. plasma-lunar [HWH+16]. plasmas [CBB16, Hig17, JHT+18, KKS15, KKS16, LLD+16, MNO+17,
[BDMC15, CCHL15, CX16, Gen15, HLU15, JGS16, LLEK17, MVKD15, Moc17, PMF15, SMOM17, SE15, SD16, TRM16, WH16b, YTW15].

potentials [DOO17, EMZ16, FS15, MTD15, RBGV15, SCS18, TST15].

powder [Zoh17].

powers [Vah15, PPML15, Prabhakar15a]. practical [BDB17, VBF15].

pre-conditioned [PPLC16].

preconditioner [AAE17, DFGQ16, DDV15, EG16, Kas15, LY16d, SLR16, TCD17].

preconditioners [BVMW16, DM17b, DMSC16, KCW17, MHHX16, MDDM17].

preconditioning [HB15b, JTD16, RM16, XLY15, YM17c].

predictions [ALM17, ID17, KBF17].

Prediction [CI17, Eva18, FS17a, IPSG15, NP16, PVPK17].

Pressure [AJP15, ABN15, ADP17, BD15b, BN17, BHST17a, BXY17, Bat17, BDKK17, BD16, BKL17, Cav15b, CCHL15, CC15, CGM15, DGHP17, GP17, GP16b, GT16, JPL15, JTD16, LDOK17, LW15a, LMC16, LYPP17, LZW17].
MST15, NKN+17, RMA17, TMT17, TM15b, WZ15, Xia15, CTM+16, RZ15].

Problems
[LBTCG16, APP+16, AB16b, ATF16, ACJ17, AR16b, AWJ17, BCSK17, BSK15, BK17a, BABD16, BJW17, BOA17, BQCG17, BGV17, BGL+17, BFT17, BC17, BCG+15, BCM15b, BKR15, CPV16, LDL17, CXX16, CH17, CWW17, COV18, CGM15, CM16b, CMW16, DPW+15, DCCC16, DL17, Die15, DAO17, DLS15, DZ16, ET17, EZG16, EE16, FPDT17, FK17, FL16, GS15c, GWE+15, GLTG15, GH+16, HLL+16, HHC15, HN17b, IPSG15, IC17, JHPAT17, JFS17, KS15a, KW15b, KADE15, KKL17, KE15, KCW17, KR17, KFL17, Kou16, LSLA16, LW17a, LZ16, LW17c, LGB16, LMS16, LY16a, LHW+17, LMTC15, MZAF17, MNR17, MM15, MMS15, MM16c, MTK17, MD15, MSP16, MW15, MLY16, NN15a, NL18, NGS16, NS16, NN15b, PKLC16, PKLC17, PHHR17, Par15, Pea15, POS16, PBA+15, PBKK17, PGH15, RRD16, RBGV15, SY17].

problems
[STEK17, SSC+16, Sla16, SMLB15, SDW16, SP15b, SM16, SCS18, WWS17, WED15, WSF17, XZ15, YK15, ZP16, ZL15, Zha16, ZLL16a, ZG16, ZSW17, ZVO15, ZST+16, dFJ16].

procedure
[BBKS16, EH14, EH15, ED16, GB15a, JLC15, MRK15, PK16, ROST16, SW15, X15, dFV15].

process
[CLFL17, DG16c, IM16a, PVPK17, PSMPG17, WLL16, WYA+17a, ZKS+15].

process-based [PSMPG17].

produce
[DD16b].

products
[CC17b, CSY15].

product
[DM17b].

profiles
[WG16a].

Progress
[TM17].

projected
[VYP15].

Projection
[BBW16, CDM+16].

processors
[AAB+16].

projecting
[BBW16, CDM+16].

projective
[LMS17].

projective
[XHB15, LC18].

promising
[ASB+15].

proof
[EBQ15].

propagation
[CCZ15, CH17, CLQ17, FKR16, GFG+15, HL16b, IPSG15, Kim15, KLRT15, LT16b, LMM17, MP15a, MS16, MS+15, MH17, PS15b, POS16, RA17, RSH+17, SCN+17, STEK17, SS17b, TBG16, WLE17, ZLL17a, ZW+16, ZWUR16].

propelled
[SCQP16].

property
[XR17].

property
[XR17].

proteins
[XRB17, GWWC17, HLB15, KW15b, KADE17, WS15a, dlHC16].

pseudo
[BCS17, GWWC17, HLB15, KW15b, KADE17, WS15a, dlHC16].

pseudo-compressible
[WSS15a].

pseudo-convergence
[KW15b].

pseudo-inverse
[BCS17].

pseudo-potential
[HL15].

pseudo-spectral
[BCS17, KADE17, dlHC16].

Pseudospectral
[NGY+17, HXB15, MH17].
discontinuous [MH17]. pulse [DHC16]. pulses [TSN16]. purely [YJ17].

Purkinje [PVFN15, VLP+16]. purpose [AVT17]. pursued [TK16].

pyramid [WHY17]. pyramidal [JG15].

QTT [BDKK17]. Quad [GTG15]. Quad/Octrees [GTG15]. quadratic [TD16b, WT16, XX17].

quadratization [YZW17]. Quadrature [Tsa15, ZGJ16, CS17a, EE16, GN16, Nis15, NL17, SS17a, Spe15, SGP17b, XX17, ZSP15, aKT16, RK017a]. quadratures [AS16, Tsa16, ZNX15].

quadrilateral [Rag15]. quadtree [Pop15]. quadtree-adaptive [Pop15].

quadtree [Bat17]. quality [FAZ16, KF15, WQZ15]. Quantification [KBK15b, AKZ16, AAPB17, CC17a, CQ15, HAPK15, KRWB17, KCS+17, LS15c, LLL16, MBNJ16, MS16b, MSS16, MCS16, RS17, WL16, vdBKD17].

quantify [CELI15]. Quantifying [AZK16, BIH15, XWW+16, GRKRB17, LS16]. quantitative [KBF17, OTS17]. quantities [Loh17, STR15]. quantity [CCHL15].

quantized [CVG18]. quantum [CLY+15, LM15d, PUA+15, PD16b, Sel15, SDFA17, TST+15, WH16b, Yan17].


quasi-spectral [MA16]. quasi-static [FCL17, RSB15].

quasi-unconditionally [BC16c]. quasilinear [WTX17]. quenching [CSY15].

Rachford [SwS16]. radar [CW16, CW17, Dod17]. Radial [KMGR16, SGN16, ASS13, ASS17, FBW16, GBvZB16, HSC16, HXB15, LB15, LHY17, MF17, SKS17, Sha17b, SP15b, WQZ15, WF17, XYPT16, XL17a].

Radiation [DRM15, BHE+17, CG15, CwYjS16, DS15a, KL15, LM16, NT16, PJE+16, PD15, Rag15, RKO+17b, SSM15, SFDE15, SL16b, YHQ15, ZM16b].

Radiation-Hydrodynamics [DRM15, BHE+17]. radiations [WT16].

radiative [CCGH17, DPW+15, Her16, ION+17, JL17c, LFRH17, LTKA15, MRM16, SJX15, SJXL15, SJX17, WED15]. radiative-transfer [DPW+15].

radiofrequency [JH15]. Raman [SNB+15]. Raman-lidar-based [SNB+15].

random [ADHN15, LL17, CN16, DGH17, Grit15, HS16a, JXZ15, JL17c, KC17b, KGT15, LS16b, LL16c, LY17, MS15a, MSS16, PVPK17, PND16, RFGSV15, TST17, TG17, WMY16, WN17, WH16b, YGEM17, ZFPB16, TSFS17].

Randomized [BBB15, ZNX15]. randomly [LZT17]. range [AS16, LXL17, Loh17, MDP+15]. rank [AAD16, BDKK17, FDKI17, KS16b, Lai17, LO16]. RANS
[EKV'16, PBC'17, WS16]. rapid [XYPT16]. rare
[CL17, GH17b, MCS16, SPB16]. rarefied [CCL16, DMAM15, DM16, DY16, DLR15, GJ15, KJ17b, LLY18, LXSC16, SBT17, STKH15]. rate
[AWJ17, HMKG16, MZAF17, Opp17], rates [BR15a, DD16a]. ratio
[LWB'16, Sti16, TKF17, WSY15, WSS'15, WSHT15]. Rational
[JB15, WF17]. ratios [BR15a, DD16a]. Ray
[RKO'17b, TSFS17, CLQ17, JH15, NLK'15, Sto16, WSU'15]. Rayleigh
[BGM16, CSG17, RLV16]. RBC
[Ler15]. RBF
[MF17, Sha17b, BFFB17, DA17, FFBB16, GN16, KAR17, Sha17b, DLR15, GJ15, KJ17b, LLY18, LXSC16, SBT17, STKH15]. RBF-FD
[BFFB17, FFBB16]. RBF-vortex
[XWB15]. RCS
[ALM'17]. re-initialization
[Wac15]. re-meshing
[MMSS15]. Reactor
[TCS'16b, CSLL15, DDJ17, HBC'16, HED'16]. Reactors
[TK16, TM17, CLB'16, FBC'16, GDS'16]. Real
[ATF16, BHL15, ATC17, BLVC16, ML17, MRZG16, MRK15, PD16b]. Realistic
[BPS16, HR17, TZSS17]. realizability-preserving
[AS15, Sch16b]. Realizable
[LN17]. really
[RFGSV15]. REBO
[TRM16]. recombination
[CLGA17]. reconnection
[BS15b, DD17c]. reconnection-based
[BS15b]. reconstructed
[HL16a, NW'16, PL16a]. reconstructing
[KYUO15, KBR17, Par17, PR16b]. Reconstruction
[ALMJ15, AWJ17, BMPS18, MC15, AHNF15, AMH'18, BAGK16, BJ16, BMCK15, CLP16b, DF16, DJD'17, EDvW17, FRRV16, GDFL17, HY16, LGB17, LX18, LAK'16, LHGF16, LMG17, PK16, PVB17, RÖS16, RW15b, SW15, SO15, SO16, SIX16, VV16, WRPL17, ZS15, ZN16]. reconstruction/differentiation
[LAK'16]. reconstructions
[TLQ16]. recovering
[ZZ17a]. recovery
[GY17, SZ15b]. rectangular
[CV16a, GKE15, PMGW16]. Recursive
[HSSZ16, AN15, HS17a, TZSS17]. recycled
[GWC17]. Recycling
[AdS'15]. red
[HS17b]. redistancing
[LD17]. redistributed
[HLL'16, PS16]. redistribution
[KO17]. Reduced
[FS17a, LL16c, AH15, AT16, BT16, BM16, BCG15, CR17, CCBdL15, CS16a, CQ15, CS16b, JL17b, KMD'18, KM17, KTG16, LK17, LVB15, MWD16, MP17, MRX17, OS16, SFT16, SSN15, TD16b, URL16, XYF'17, vdBK17, TG17]. reduced-basis
[CS16b]. Reduced-order
[FS17a, AT16, KMD'18, SSN15, TD16b, URL16, XYF'17]. Reducing
[Bra16b, GZM'17, BGGM15, XWW'16]. Reduction
[BMCK15, AEVW18,

scale-bridging [DPW+15]. Scaled [GBS15]. scales [Hig+15, MMW15, SDJU15]. scaling [JLQX15, LL16a, LY15c, LY17, LT17b]. scalings [JXZ15, JL17c]. scatterers [CR17, CCZC16, DKTH15, JHPAT17]. scattering [APJ15, AN15, APKP16, BABD16, BXY17, BNM15, BKL17, CDL17, CHE+17, DCCC16, DvB17, DV+15, FM15, GMP16, GHJ15, GHH+16, Hig17, HN17a, KE15, LKB15, LGO17, LW15a, LB16, LBB+17, Par15, PLL15b, UWH17, ZFZL15, ZZ17a]. SCDM [DLY17]. SCDM-k [DLY17]. Scheduled [ACCCDA16, ACCCD+17]. scheme [AIP17, AdRBC16, Ali15, AS15, APKP16, ADH+16, AA15, ATC17, AHKT17, BHZ16, BAGK16, BK16a, BEJ15, BK17c, BT16, BSWG15, Bon17, Bra16b, BCM15b, Buk16, BRK17, CGK17, CX15, CXL16, CTG16, CHJ17, CC16c, CV16b, CHS17, CCM17, CDV17, Cui15, DGW18, DJ17, DL15, DS15c, DMTB15, EMSS17, FDS+15, FLT17, FSB16, GOR17, GHR17, GMB16, GGL+17, GHL15, GHL+16, GX15, HW15a, HW15b, HWA15, HAH16, HC18, HTBG15, Ism15, IDS15, Jac17a, JW15c, JS17, JC17, KGS17, KHC+16, KV16, LLP+16, Ler16, LL16b, LHB16, LT17a, LSTkM15, LMKS15, Liu16, LXSC16, LM15d, LHQ16, LI15, MLI17, MNG15a, MN15, MDBC17, MTK17, MSB+16, MM15, NMM15, NF17, NT16, PX15, PXL16, PX16, PL16b, PG17, PBBK15, PS17, PA15, PFM+15, RDG17, SNS16, STK+16, SKF15, SS16b, Sha17a, SFT16, SWPS17, SY16]. scheme [SLL17, SWK18, SWHK15, SD16, St16, SS17c, SX15, SX17, SX17, Tav16, TK12, TK15b, TM15a, TC15b, TKP16, VST16, WR15, WH15, WDS15, WX16, WH16a, WHY17, WX17, WL17, WZL+17, XCM17, Xie15, XQ17, YS16, YWS+16, YF17, YLA15, YWHP15, YZZ15, ZG17, ZSW17, ZZS16, ZZ16, ZQ16b, ZQ17, ZGW17, dSPDH15, dBIM16, vEKdB16, FRO17]. Schemes [ZQ16a, AHNF15, AMH+18, AD15, AD17, An17, AB18, ABR16, ALMJ15, BD15a, BGS16, BTGM17, BK17b, BR15a, BR15b, BR16, BLM17, BLD15, BDZ15, BD17, Bra16c, Bre17, BTVC16, CV17, CCRL17, CB15, CC17b, CJKZ15, CS16c, CK17, CCZ15, CYS17, CLTX15, CTM+16, CK16b, CWtS16, DS15a, DPO16, DL15, DPRZ16, DPRZ17, EJZ17, Fan16, FNGV18, FL15, FG17, FLW16, FHA16, FHA17b, GS15a, hGwSzS15, GS15a, GOK16, GCVMK15, GR15, GBCF16, GBCF16, GGT15, GAJ15, HSLQ16, JLQX15, KM15, KW15a, KV15b, KGS17, KGT15, KFL17, KYW+16, KYW+18, Kri17, LN17, Ler15, LX16, LZZS15, LJ16, LW17d, LC16, MWC16, MN16a, MKC17, MDP+15, MCGS16, NMM15, NMM16, NMM17, NMC15, NLFM16, NL18, NR17, NG17, OS15a, OZ17, OV17, PxrR17, PS16, PBC+17, RS15a, Rod17, RR16]. schemes [RSH+17, Sch16b, SAEF17, SMS16, SYY15, SWLZ15, STG17, SSM15, Sto17, SGL17, Stii17, SIX16, Svai15, TLQ15, TLQ16, TLH15, VW16, VN15, VV16,
VSM16a, VSM16b, WW15, WRL16a, WCL15, WT15, WSF17, XLL+17, XJLQ15, XL16, YC17, YYL16, Yan16b, YH17, ZZK16, ZJLC15, Zha16, Zha17c, ZY17, ZSQ17, ZS17, dFJN16, vLtTBI17, ZN16. Schrödinger
[ATZ16, ABR16, BM15, BJTZ15, BA15, BPTA16, BCM15a, CQL+17, CV16b, CHLZ17, GMP15, GN16, GWWC17, GHL15, LYA16, LHL15, STEK17, SL15, WH15, WWRS17]. Schrödinger-like
[WWRS17]. Schrödinger/Gross
[ATZ16, ABR16]. Schur
[JTD16]. Schwarz
[Kas15, KC17c]. science
[AK17]. Scientific
[ZWB+18]. scramjet
[CELI15]. scrape
[HRJ+16]. scrape-off
[HRJ+16]. SDE
[AAPB17]. sDEM
[ACGR15]. sea
[ALTR17, KDL15, MR17, SRBO17, WTL17]. sea-ice
[SRBO17, WTL17]. Sea
[EFHZ17]. seamless
[iI15]. search
[GBCF15, GBCF16]. search [PKLS17]. seas
[WTL17]. Scrape
[HRJ+16]. scrape-o
[HRJ+16]. SDE
[AAPB17]. SEM
[ACGR15]. sea
[ALTR17, KDL15, MR17, SRBO17, WTL17]. sea-ice
[SRBO17, WTL17]. sea
[EFHZ17]. seamless
[iI15]. search
[GBCF15, GBCF16]. searching
[PKLS17]. seas
[WYMY16]. Second
[BHE+17, Cac15a, Cac15b, CKT17, DS15b, DVP+16, FYZ+15, HHY16, Ism15, LMC16, NDCB17, WXW15, ZsSK15, ABFR16, ABH18, BTGM17, Bat17, BR15a, BND16, BST15, CC15, GP17, GBCF15, GBCF16, HW15a, HBR15, LN17, LSL15, LPW15, LC17a, Liu16, MZAF17, MN04, MN17, MN15, PHRA16, Roy15, Sha17a, SLL16, WKOE17, Wu16, Yan16b, YH17, ZY17]. Second-order
[BHE+17, Cac15a, Cac15b, CKT17, DS15b, DVP+16, FYZ+15, HHY16, LMC16, ZsSK15, ABH18, BTGM17, BR15a, BND16, BST15, GBCF15, GBCF16, LN17, LPW15, LC17a, Liu16, MZAF17, MN15, Sha17a, WKOE17, Wu16, Yan16b, YH17, ZY17]. section
[ABT16, DOD17, JDFS16]. sectional
[FSK+16]. sections
[CV16b, DJD+17, KFL17, LMGG17]. sediment
[BVM17b]. sedimentation
[BKRB15, KM15]. Segel
[ZH16]. segmentation
[WLWW17]. Seismic
[MF17, CZW17, LLY15, LTB16b, LitX17, MKYZ17, dFGS+17]. selected
[DLY17]. selection
[FOF15, JES15, KKL15, Xia15]. selective
[MTK15]. Self
[OLD+16, TTN+16, TSR15, ADFG17, BD15b, BVG+16, BN17, KLWQ17, LLYF+15, LYP17, LOB+17, SCQP16, Wall16]. self-adjoint
[LYPP17]. self-avoiding
[Wall16]. Self-consistent
[OLD+16, TTN+16, TSR15, ADFG17]. self-focusing
[KLWQ17]. self-propelled
[SCQP16]. self-similar
[BD15b, BVG+16, BN17]. Semi
[FSM16, Gam15, GXX17, LC18, MM16a, STEK17, WCN15, BDM17, CQQ16, Cai16, CM16b, DLR15, DAO17, GS15b, GBD17, HPY18, HAH16, KFKW17, KYPK15, Lap17, LXC+15, LZE+15, LYA16, MD15, MTD15, NRZS17, OD17, PBBK15, PME+15, RAMB15, SBB15, SFT16, SLZ+17, TD17, TM15b]. semi-alternating
[LZT+15]. Semi-analytical
[LC18, MD15, MTD15, TM15b]. semi-classical
[LYA16]. semi-discrete
[SLZ+17]. semi-explicit
[KFWK17]. semi-flexible
[NRZS17]. Semi-global
[STEK17]. Semi-implicit
[Gam15, GXX17, MM16a, WCN15, Cai16, CM16b, GS15b, HPY18, Lap17, LXC+15, PME+15, RAMB15, SBB15, TD17]. semi-infinite
[GBD17]. semi-Lagrangian
[BD17, CQQ16, DLR15, DAO17, HAH16, KYPK15, OD17, PBBK15, SFT16]. Semi-spectral
[FSM16]. semiconductors
[ vdKK16]. Seismic
[BDM17, CQQ16]. semiconductor
[FKF17, HW15b]. semiclassical
[HHY15]. semiparametric
[BH16b].
semismooth [YSY17], sensing [KKZ15]. sensitivities
[Cac15a, Cac15b, KPKG15, Loz17]. Sensitivity [NW17, SD17, AMJ17, ADP+17, Blö17, Cac15a, Cac15b, CNW17, Lia16, SW17b, TCA16, MBJ16].
Sensor [NHM17, Fon16]. sensors [ST16]. Separable
[BP +16, LT17b, PGH15, TBO+16, ZZT+16], separated
[BBB15, FW17, RBD17]. separation [Fon16, GKN17, HHA15, LHA16b].
Sequential [CC16b, YNW17, VALT16, AASRT17, AT18, CWWZ17, CD17, CG16, CM16b, GLTB18, GM16, GHP15, GFO18, HKJ17, JLC15, JGS16, LSMS17, LSYF15, MGBP16, MW17b, MLMM17, NLK+15, OL +17, SSA17, TAR17, Wac15, XSL18, YCS+17, ZA15a, ZHL+17, dLGT+17, AAL15, AB15, BAVC17].
Set/Ghost [LVTR15, GLTB18]. sets [JH17, LN17, STHW17]. settings [CK16a].
several [GBR15, Shu16]. severe [GZM+17]. SFO [MAP17]. SGS
[LL16b, MNG15b]. Shadowing [NW17, Blö17, CNW17], Shafranov
[PKF16, RCRF16]. shale [AEVV18]. Shallow [ABT16, SP16a, ALKZ16, CE17, CDV17, DA17, DMTB15, G16a, GCVMK15, JJS15, Jou15, KDP15, LMS15, LDWZ15, LMSK17, MDBCF17, NMM15, Ric15, SD16, TC15b, VST16, WWGK17, WG15, WBM+15b, ZA15a, ZED15, NMM17].
Shallow-water [ABT16, MDBCF17, ZED15]. Sham
[BE15, BHI15, CDM+16, ZHL+17]. Shape [DBD+17, Wal16, BFI+16, BCO+15, BMP18, HKJ17, KPKG15, Loz17, SKF16, TBL15]. shaped
[GN16, TSN16, TP16b]. shapes [WHL17]. Shapiro [Fal15, Fal17, GD17].
sharp [ACS16, FMRZ17, HHA15, HG17, HK16b, LHA15b, SHA16, SP15b, Tsa16, ZD15b]. sharp-interface [SHA16]. Sharpening
[CSN17, HTZG17, MNG15a]. sharpness [LWY17]. shear [BVM16].
sheared [LVB+15]. sheath [dCPDC+17, TTN+16]. sheet
[CLVS17, CLFL17, IPSG15, MML17]. shelf [Jou15]. shell [CLFL17]. shells
[GSL15, SDMS17, WLM15]. Shift [PJE+16, SZ17]. shifted [RM16, SLR+16].
shifted-Laplacian [RM16]. shifting [KGS17, OMLdL16]. Shock
[ZO17, DMI17a, DZ16, KYY+16, KYY+18, LSI16, NLL+15, PSS17, RA17, SGC+17, SY16, WL17, ZS16, ZXDL17]. shock- [WL17]. shock-capturing
[KYY+16, KYY+18, PSS17]. shock-fitted [RA17]. shock-fitting
ZXDL17]. shocked [CJ +17, PME+15, WTS+17]. shocks
[WS15b, XLL+17, dFVJ15]. shockwave [NMM17]. shooting [Die15]. Short
[Teu15, HS17b, XYPT16, YY16, ZW15]. shot [BDB+17]. shrinkage
[KKL15, WYA+17b]. Shu [YY16]. sided [SYM17]. sign [DC16].
sign-changing [DCC16]. signaling [CFG16]. signals [CW16]. signed
[Sel15]. similar [BD15b, BVG+16, BN17]. Simple [KH17, ATC17, DL16, HK15b, HC18, KBB15b, Niu16, OS15a, RS15b, VNA15, ZL15b]. Simplex
[EDC16, KHT3A16]. Simplex-in-cell [KHT3A16]. Simplex-stochastic
simulate [CG15, DA17, RFGSV15, ZWUR16]. simulated [YDCK16, ZD17]. Simulating [CG15, DA17, RFGSV15, ZWUR16]. simulated [YDCK16, ZD17]. Simulating [KS18, LP16a, AJ17, CL17, CGS15, DvB17, Don15b, ELH16, GLS15, HXLL15, MAK15, Moo17, NRZS17, OT15, OD17, PZNG15, PGCC18, SHKL16, SMA16, SDH16, TK12, TK15b, TKP16, WMY16, dTP16]. Simulation [CS17b, FM16, GFA16, GBS15, LSD17, LM15c, Mac16, OMYvdP15, ST16, SDM17, SX16, TM17, dAC17, AV17, AAB16, BBKS16, BS15a, BR15a, BJ16, CR16, CB15, CL16, CTJ17, CPSF17, CH17, CD17, CLB16, CSCM16, CLGA17, CEL15, CMR16, CLNH15, DLL17, DD17a, DKPC15, DPW15, DL17, DMS17, DH16, DEZ16, ESGS17, ESHA16, EKSS15, FDK17, FG17, Fon16, FFJT16, FR16, FKY15, GB15b, GB15a, GWB15, GZ16, GDFL17, GRS15, GH17b, GBU15, GF16, HYK16, HIN16, HN17b, HLML17, HY17, IM17a, KM17, KBB15b, KL17a, KH16, KY16, LC17, LA17, LPW15, LZ15a, LW17, LX17, LLY17, LT16b, LD15, LPBR15, LAA15, LSF15, LC17, LEB17, MW16, MNG15a, MPT16, MG15b, MNO17, MS15c, MW16a, MN16b, MRK15, MTJ17]. simulation [MZ15, MM16d, NOM17, NYNYM15, PC16, QWX17, RS15, RW15a, RBGV15, SNS16, SKF16, SD15, SDJU15, SAK18, SCC16, STKH15, SP16b, SCS16, SH17, SF16, ST17, SP16c, SST15, TCA16, TC16, TC15d, VV16, VG17a, Vr17, WDS15, WS17, WC16, XY16, XW17, XZZ15, XL17, XR17, YC15, YS15, YW16, YF17, YS17, YCS17, ZFP16, ZLY15, ZB15, ZGW16, ZW16, ZZZ17, ZQCT15, dJ15, dGCA17, vdLJ16, FNP17, LL17, TBR17]. Simulations [Gan15, AWS16, ALM15, AT18, BT17a, BCD15, BFI16, BB16, BCB15, BI16, BPS16, BPS17, BBW16, BLK15, BM17b, BL17, CCRdL15, CDD15, CTK17, CG16, CC16c, CSK16, CSB15, Cos16, CV16, DMAM15, DAV10, DAV15, DMA16, DG16c, DB16a, Don15a, DB15, DBMB15, DD16b, EPH17, ED16, Fan16, FHS17, Fed17, FPS16, Fer17, FHE15, FHA16, GZ17, GDS16, GJ15, GZK16, GSS15b, HJK16, HBC16, HWH16, HTZG17, Heu17, HSB16, HHA16, HL15, HLG16, HLS16, HR15, HMRG16, Idol16, IG15, IB16, ID17, JSP16, JKF17, KHTZ16, KC16, KZ15, KG15, KS17, KV16, KS16d, LM15a, LK15, LKO17a, LBZA16, LGD17, LHY17, LLY17, LHZ17, LLI17, MS16b, MC16, MD16, MBKTH16, MAH16, MSP15, MM15, NCP17, OLD16, PN17, PP17, PDS15, PBC17, RL16, RS17, RKH15, STWH17, SS15b]. simulations [SKG17, SSA17, SH18, SM17, SMAG17, SSL16, SH16, SKC17, SAO17, TBC16, TLH15, TPT16, dCPDC17, TRL15, TS17, TSR15, VV17, VBF15, WTS17, WD16, WK15, XW16, YC16, YX16, ZV16, ZYW16, Zil15, ZPE16, ZRE16, dLG17, vdKK16, PD17]. simulator [VB17b, WLC15]. simulators [MRA16]. simultaneous [GG16]. Single [PS17, ZY17, AJP15, CF16, DPK17, Hig17, JZ16, LF16, RMK15]. single- [LF16]. Single-cone [PS17]. single-event [Hig17]. Single-node
[ZY17], single-particle [DPK17], single-stage [CFST16], single-step [CFST16, JZ16], singly [ST17], singular [EG17, GRMK15, NL15, POSB16, SO17, Tsa15, Tsa16, WHCN17], singularities [SDW16], singularity [GZ17, OvdHVH16], six [PS14, PS15a], six-equation [PS14, PS15a], sixth [CCM17], sixth-order [CCM17], size [EMSS17, LN17], skew [GWE+15, RöS17], skew- [GWE+15], skew-symmetric [ROŚ17], skewed [OS16], skewness [DvW15b] sky [BPF+16], slab [Sch16a, Sch16b], slabs [DBD+17], slender [LC15], slice [YSC+17], sliding [ZL15b], sliding-mesh [ZL15b], slip [KLSF15], slope [KH17, Xia15], slopes [ST16], sloshing [ABT16], slowing [CLL17], slowing-down [CLL17], small [CR17, CHE+17, Gam15, KS15a], small-angle [CHE+17], Smoluchowski [MST15, MZTS16, SWK18]. Smooth [iI15, SGT17, YK15, GS15a, iI17, MM15, SGT16] Smoothed [FRO17, MDL16, MFG15, TP16a, BLK15, DD15, Iwa15, LS16c, LSR16, ML16, NT15, PKP+17, SMT+16, SE15, TOR+15, TP16b, ZHA17b], smoothers [YM17a], smoothing [CC16c, OSP17], smoothness [HC18], snapshots [URL16], Sobolev [CM15], soft [WSU+15], soft-X-ray [WSU+15], solar [HGR16]. solid [AASRT17, AGBL15, BJWZ17, BLG+16, BB15, CH17, CLM15, CLFL17, DBD+17, HW15c, HW16c, KTK15, LZ15b, MAK15, NFG15, PAL+16, SDM+17, Tre16, VM15, WCFV16, XYF+17, YK15, YS15, ZLY15, ZDGW16, ZW16, ZQCT15, aKT16], solid-air [DBD+17], solid-fluid [PAL+16], solid-fluid-interaction [CH17]. solid-liquid [BLG+16, HW15c, HW16c], solid-s [KTK15], solid-state [BJWZ17], solidification [BGJ+15, OTS17, RKRGW17, RTO15, TYD16], solids [AAI16, BHKS16, DLY17, DPRZ16, DD16b, Heu17], solitary [AEAM15, SS17c], soliton [LY16d], solitons [MW16a], soluble [BGN15, XSL18, dLG+17], solute [BGJ+15, YM17b], Solution [CLP16a, KE15, NLFM16, ASB+15, ATF16, And16, AB17, BHL15, BNM15, BBF+17, BFFB17, BGG17, BDKK17, BVMW16, BLVC16, BLC17, BDabee15, BCB17, CPV16, Cha16, CMH15, CLMZ17, DHG17, DMAM15, EAAM15, Ev18, Fai16, GMP16a, GNP16a, GN16, HE15, HO15, HP17, IGQ15, JHPAT17, KA15, KF17, LW15a, LB16, LMTD15, MNM16, MRM16, MRR17, MR16a, MPFL16, MS+15, NH17, NPRC15, NKN+17, PB+15, Rag15, RPM18, RZ15, SZ15a, SR16, SW15, SW16, SWPS16, SPRW15, SL16b, SV17, TK15a, TD17, TM15b, TO15, UWH17, VSM17, VST16, Wac15, WBBC16, WZR15, YSY17, ZSP15, ZLL16b, ZCL17, ZLL+17b], Solutions [Gno17, AEAM15, BSWG15, GS15a, GS15c, KY15, HPY18, JL16, LZ17b, MKYZ17, MM17, NDCB17, PX16, RPK17a, RDM15, RMC15, Sub15, Svi15, VBG16, WDG+17, WSY16, WBM+15b, YK15, ZLL16b, ZLL17a, ZZX16, ZS17, bWAW15], solvable [HW15a], solvated [YX15], solvation [GZ17]. solve [ALTR17, CE17, Chu17, DLK17, DBMB15, LZ16, LYP17, MR17, SLZ+17, YWHP15], solved [KW15b, LFRH17], solver [AGBL15, Ama15, AAD16, AB16b, AdSS+15, ABT16, AC17, ANL+16, Bal15, BAGK16, BK16a, BVG+16, BN17, BDK+17, BWR15, CBB16, CM16a,
CGP16, CTM$^{+16}$, CRZ17, CM18, CLP$^{+16}$b, CCGH17, DWGW16, DY16, DS15d, DB16b, FGLW18, Fer17, Guo15, GF$^{+16}$16, HY16, HSF17, KC17c, KFWK17, LTB16a, LKB15, LZ17a, ILLNS16, LSTkm15, LDGH16, MS15b, MHL17, MM17, NNV17, Nin16, NN15b, OVP15, PKF16, PR16a, Pop15, RCRF16, SK$^{+15}$, SHLG15, SP16a, SYY16, STW16, SYM15, SC16, Sti16, SL16b, SST$^{+15}$, SK15b, TCS16a, TWH15, VLP$^{+16}$, VNA15, WY17, WSY15, WSHT15, WSY16, WS15a, WCCB16, XJ16, YSW15, ZZK16, ZHA17a].

Solver-based [BK16a]. solvers [BSK15, BD15a, BTGM17, BK17b, BAVC17, BC16c, CDC17, DS15b, DG16a, EKV$^{+16}$, Jou15, LPGT16, MVZ16, MM16c, PP17, SW17a, SPM16, TKB$^{+15}$, VBG16, XRMM15, ZAK15, dPSS16].

Solving [GMP15, GMS16, GLTG15, KR17, MBDD15, AR16a, ADP$^{+16}$, ADP$^{+17}$, BM15, BJ15, DLNR18, EE16, GSN16, GP17, GBM16, HW16a, HHC15, HSC16, HSY15, IKII15, KKL15, KD15, LMS17, LW15b, LC16, LK16a, LZ16, LS16, MW16b, MW17a, Moh15, LM17, MB15, Noe15, OL16, PzRS17, PBBK15, SWL15, SW16, SS15c, SGT16, SGT17, TSH17, TP17, TBO$^{+16}$, Vah15, WR15, WXW15, XL16, YHKPF17, YM17c, ZK16, ZD15a, Zcha16, ZQ16a, ZQ16b]. SOMAR [SS15a]. Some [FLW16, hGwSzS15, FSWW17, GFO18, KD17b, Pas16]. sonar [EFHZ17]. source [ASB$^{+15}$, BC15, BT16, DMTB15, EG17, GKN17, NMM16, NLK$^{+15}$, NL17, SY17]. sources [POSB16]. Space [PCF15, SWH16, AS15, AP16, ATZ16, AHKT17, BCST17, BZ15, BHE$^{+17}$, BTW15, CV16a, DM17b, EHXM15, Fid17, HKKP16, HLML17, JW15b, JW16, JX15, JX17, KL15, KLRT15, LS16b, LWY17, ILNS17, LCF16, MD17, MRZ16, MDDM17, PD16b, SWL15, SW16, SWPS17, SX15, Tav16, TD16a, TD17, VGF16, YYN$^{+17}$, ZJL16, ZBZT17]. space-angle [KL15]. space-charge [AP16]. Space-fractional [PCF15, CV16a, JW15b, JW16, ILNS17, MD17, MDDM17]. space-time [DM17b, Fid17, HLML17, LWY17, SWPS17, TD17]. spaces [GMP16, KCW17, KC17c, YY16]. spacetime [AM17a, NLK$^{+15}$]. Sparse [AB15, CS16b, HLS15, WTGC16, ARG$^{+17}$, BGG16, CQ15, JW15a, JL17b, KS16b, LZ17, MJ17, MSP16, SS17b, TCA16, WC15, WSS15]. Sparse-grid [CS16b]. Sparse-fitting [LY16d]. Sparsity [KMD$^{+18}$, BKL17, SGP17a, YLB16]. Spatial [CNG99, AA15, BB15, CNG17, FS16, KKL15, LPWK15, LZ16, LN15, LK16a, NSB15, SP16c, TC15c, VlPS16, WM16, WKO17, XTS$^{+16}$, Yan16a, YM17b]. spatial-stochastic [KCL15]. spatially [LM15d, MTP16, NH17]. Spatio [Han16]. Spatio-spectral [Han16]. spatiotemporal [SLZ$^{+17}$, TL15]. spatiotemporal-adaptive [TL15]. SPDEs [KCL15, OB17]. Special [KHP15, KZ17, Kat16, KZ16, TM17, KS15a, W15, ZT17]. species [CC15, HYK$^{+16}$, MN16c, SGA$^{+15}$, TC15a, TCI15, TCS15, WBS17]. Specific [PWP15, BFI$^{+16}$, ISP$^{+15}$, PFV15, YDC16]. specification [SD17]. spectra [Roy15]. Spectral [DMSC16, DZC16, GH15, LW17, MK17, MDDM17, NS16, PGH15, SZ16, SX15, TST$^{+15}$, Tre16, WB16, ABP$^{+16}$, AABD15, AB16b, ALM15,
ABR16, ALT17, ALMJ15, BEJ15, BZ16a, BA15, BDBEE15, BGM16, Cai16, CZW17, CL16, CJD+17, CXH15, CH17, Cho15, Del15, DY17, EKEB16, FBM16, FSM16, GWWC17, GX17, Han16, HB15a, HB15b, HSF17, JB15, KC17a, KADE17, KP15c, Li17, LMBZ15, LZZS15, LTXB17, LYPP17, MDVM16, MS16a, MG15b, MJ16, MDM+15, MP16, MJ17, MA16, MSP15, MM16, MM17, PKF16, PG17, PR17a, RGW16, SHLG15, SO17, Sov16, SGT16, Sub15, TH18, TO15, VSM17, VPV+17, VK16, WLM15, WZ15, WCL15, WG15, WZRZ15, WZR15, YC17, ZK15, ZL15b, dIHC16, ST17.


DS15c, FCL17, FFJT16, GBCF15, GBCF16, GHL+16, GTG15, GX15, HW15a, HHR15, HN17b, IC17, LTB16a, LHB+16, MLI17, MBHS17, MXL16, MTD15, NN15a, NN17, OLDN17, PCN15a, PCN15b, PND16, SW17a, SYY15, SLL17, Tav16, VV16, WJD16, WWGK17, WG15, WG16b, WDGW17, WCCB16, WSF17, Xia15, YC17, Yan16b, YH17, ZYSW16]. Stage [PP17, CSS17, CFST16, FPASS16, LZT17, PXLL16]. Stage-parallel [PP17]. Staggered [CCKQ15, AB17, CCM17, GH17a, LHMB16, LMMS16, LCF16, MO18, OLDN17, SO15, SZF15, TLQ15, TD16a, TD17, VW16, Vre17, YYL16]. staggered-grid [GH17a, LHMB16, SZF15, YYL16]. standard [Fan16, FST15, STG17, VVW17]. stars [Lau17, RLP16]. started [GWC17, SHW17]. state [BJTZ15, BJWZ17, CCM17, CMW16, EFT15, KTN15, LZ17b, MC15, Noe15, SE16, TYD16, TST17, TCL15, ZJLC15, ZZX16, ZS17]. states [ATZ16, ALT17, GLZ16, GZ18, LY17, PDS15, RKH15, SWZ17]. static [DG16b, FCL17, KKL17, RSB15]. stationary [ACCDD+17, ALT17, DCBK15, Lz17a, LY15, TSST16, ZFPB16, ZL15b]. Statistical [LK17b, RS15b, RL17, VCGNP15, ZL17]. statistics [DY16, FKP17]. status [MSV+16]. Steady [TYD16, AD15, CV17, CCM17, DKPC15, EFT15, HY16, JL16, LL16b, LZ17b, MC15, Noe15, PQR17, RKH15, SE16, TST17, XRMM15, ZJLC15, ZZX16, ZS17]. Steady-state [TYD16, CCM17, LZ17b, MC15, SE16, TST17, ZJLC15]. steep [SWMD17a, SWMD17b]. Steepest [TP16b, FSWW17]. Steklov [DDV+15, HS17a]. Stellar [Lau17]. stencil [GEZK16]. stenotic [GZM+17]. step [CC15, CFST16, DvW15a, EMSS17, HPY18, HC17, HMRG16, JZ16, MBSS15, SP16c, VL15, WBN15a, BM15]. Stephen [JZS15]. stepping [BDZ15, CLvS17, CLP16b, DNBH15, EAR15, LW17d, LW18, MM15, QB16, RGP17, Tav16, Tie16, ZZDB15]. stepwise [ARG+17]. Stiefel [BTD16]. stiff [CB15, CMM+16, LTR17, PBK17, SXXB15, SYM15, TWW15, TM15b, WZ15]. stiffly [RT16]. stiffness [AM17b, WHCN17]. Stochastic [AMK17, CHL17, HK17, LPWK15, SE16, ADH+16, AÁPB17, BCSK17, CHZ16, Cot16, CMR+16, DAV10, DAv15, DEZ16, EDC16, GH17b, HGC15, HMBH15, HJZC17, HL15b, HJ16, JL15, JL17c, JS17, KM17, KKL15, KK17b, Kou16, LEL17, LJI15, LZ17, LM15c, MPT16, Moh15, NW15, Opp17, PND16, PE15, SS15b, SGA+15, TWW15, TPT16, TT17b, VCGNP15, WHCN17, WH16b, WX17, ZL17, ZLX17, dCCGCA17, ACG15, HSB16]. Stokes [CDN17, HTMP17, TXKvD15, TXKvdV16, AD15, ALKZ16, AB17, BTD16, BC16a, BTB15, BLJ17, BH15, BC16c, BC16d, CHOR17, CS16c, CYL+15, CCKQ15, CGRV17, CCM17, CLP16b, FVK17, FBW16, GTG15, HPY18, HW15a, HM16b, Ler16, LBC+15, LZB+17, LT17a, LM16, LY16a, LRG018, MPP16, MS17, MBBKTH17, MHS16, MR16b, NL15, OT15, OvdHV16, PG17, PXLL16, PX16, PJC16, PCN15a, PCN15b, Pea15, PND16, PDRB17, PBBK15, RDM15, SHLG15, SMS16, SLB+16, SLY16, STG17, SE16, Stü15, Stü17, Svá15, TD16a, TD17, UL16, WY17, WR15, WCVF16, XWW+16, YC17, YTW15, Zha17c]. Stokes-residual [BC16a].
Pan15, PT17b, PSP16, RZ17, RB15, SMS16, SPP16b, TWIN15, TPT16, TT17b, TZSS17, VNA15, WE15, WCN15, WHCN17, Web14, WTX17, ZJS15, ZD15a.

T [DS15a], tailored [FHA17b], Takahashi [Zil15], taking [LYDB17, SSL+16a], tank [XYPT16], target [ZFZL15], Targeted [FHA17b, FHA16], targets [ALM+17, Dod17, HZ17], TAS [GRS15], task [KFF+17], task-based [KFF+17], Tau [ASB+15, BZ15, BDBEE15, VK16, KRFV16], Tau-estimation [GRS15].

Taylor [BR16, BR15b, GR15, RLV16, YYL16, YHKPF17], Taylor-Green [BR16, BR15b], Taylor-series [YYL16], tearing [DNOP15], technique [ALM+17, AMP16, CM15, DA17, DWGW17, ESGS17, GDFL17, GRS15, GKE15, Hig17, KHTZA16, KSV+15, LDL+16, MNG15a, TBO+16, ZWUR16, ZXDL17], techniques [GWB+15, DV17, MDM+15, QWXZ17, SDJU15], technologies [ADE+17], telegraph [AR16a, Ata15, HB16, KA15], telegraphic [GCVCHH18], Temperature [DJD+17, AJW17, Gen11, Gho17, NF17, SSM15, TCS16a, ZV16], temperature-dependent [Gen11, Gho17], temperatures [DJD+17, Lap16, TTN+16], Tempered [SMC15, Beg15], temporal [GH17a, MM16b, SKF15, WMY16], Ten [MKC17], Ten-Moment [MKC17], tension [AAL15, APT17, Ani16, BC16d, CG16, EJZ17, FMRZ17, GOR17, HK5+16, Say17a, Say17b, SAK18, TP16a, YCS+17, ZZKF15], tensions [WX17], Tensor [CRZ17, DM17b, GMS16, MZTS16, VBL+16, ABFR16, BDMC15, BDKK17, EL17, Fal16, GKMS17, GL17, LB15, Loh17, LY15c, OS16, RO16, RBD17, WN17], tensor-based [OS16], Tensor-product [DM17b], Tensor-Train [CRZ17, GMS17], tensors [LBTCG16], term [ATZ16, BZ15, BT16, FRW16, GZY16, JLLZ15, MDP+15, NL17, WYA+17b], terminal [Die15], terms [DMTB15, EG17, FSWW17, LVTR15, NM16, SL16c, VAD17], ternary [ZDGW16], terrain [SWMD17a, SWMD17b], terrains [MRK15], tessellation [SC16], test [KDF15], testing [Ani16, OTS17, ZA15a], tests [LP16a], tetrahedral [BCST17, MWB+15b, MW17b, TD16a, ZQ17], tetrahedron [WR16], texturally [GHP15], their [Beg15, DLC15, FFW17, HKH+16, JL15, MKYZ17, WX17], theoretic [LSWF16], Theoretical [VPM15], theories [MGKG17], Theory [CDC17, DG16c, KHP15, KADE15, KADE17, LLL16, ADFG17, AKZ16, BE15, LWLC17, LW17d, MW16b, NGY+17, OLD+16, OLB+17, RXSG15, RX16, SDF17, Sto16, ZLH+17, GS16], Thermal [ST15, AABD15, BGJ+15, CBN+16, DPW+15, FST15, HGNI7a, HGNI7b, HCV15, LMIH16, Lap16, LNM15, MRM16, PBA+15, SSC+16, SSM15, SS17c, WSY16, YYY+16], thermal-fluid [YYY+16], thermal-hydraulics [CBN+16, SSC+16], thermal-solute [BGJ+15], thermally [HM17], thermo [LMC16, MBJ16, MBN16], thermo-acoustic [MBJ16, MBN16], thermo-mechanical [LMC16], thermoacoustic [AMJ17], thermocapillary [LZ15b], thermochemical [MPP15], thermodynamic
Thermodynamical [ LW17b ]. thermodynamics [ AZK16 ].
Thermomechanical [ Heu17 ]. thermostats [ Dav10, Dav15, LS16a ]. thick [ BPGS16, SP16a, SMA+16 ]. thickness [ DGHP17, dTP16 ]. Thin [ Pes15, AAStR17, AJP15, DGHP17, GLS15, GC17, JTR16, KHP17, LVB+15, MTK15, QYF15, Xia15 ]. Thin-film [ Pes15 ]. THINC [ LH17b, XX17 ]. Third [ CHY16, GZY16, HW16b, CC15, CHJT17, MN15, NL17, PX16, VK16, ZQ17 ].
Third-order [ CHY16, HW16b, CHJT17, MN15, NL17, PX16, VK16 ]. Three [ AEL+15b, BAl15, BGJ+15, GS15a, LMSK17, AB17, AB16b, APT17, AJW17, BKP16, BOA17, CFWF16, CC15, CP16, CZJ17, CGRV17, DS15a, DS15b, DvW15b, FB17, FST15, FPDT17, GGL+17, HN17a, IDSG15, IM15, JGS15, KA15, KCW17, KS15b, LGO17, MHL17, PHHR17, PCN15a, PCN15b, PR16b, RVZB15, RG15, RDG17, RKRGW17, SHKL16, STW16, SSA17, TD16a, Tre16, Vee16, WSY15, WHY17, YSW15, ZL15a, ZYW16, ZW16, ZCL17, ZL15c ].
Three-component [ STW16 ]. Three-dimensional [ AEL+15b, BAl15, GS15a, LMSK17, AB16b, APT17, BOA17, CP16, CZJ17, DvW15b, FPDT17, GGL+17, IDSG15, IM15, JGS15, KA15, KCW17, KS15b, LGO17, MHL17, PCN15a, PR16b, RG15, RDG17, RKRGW17, SSA17, TD16a, Tre16, WSY15, WHY17, YSW15, ZL15a, ZYW16, ZCL17, ZL15c ].
three-field [ CFWF16, CC15 ]. three-material [ PR16b ]. three-phase [ FB17, GGL+17, ZW16 ]. Three-point [ GS15a ]. three-scale [ AB17 ].
three-temperature [ AJW17 ]. threshold [ EJZ17, XXW17 ]. thresholding [ LW16b, YTW15 ]. through-flow [ YTW15 ]. Through-the-wall [ CW16, CW17 ].
TI [ bWAW15 ]. tight [ PD16b ]. tightly-binding [ PD16b ]. tightly [ TPT16, TT17b, TS16 ]. tightly-coupled [ TPT16, TT17b ]. tiling [ Tav16 ].
Time [ AMP16, BOA17, BCB15, BGI6a, DDO17, FM15, GKA17, KBK15b, LHY17, MM16b, MM15, MMMS15, TR15, AM17a, AW16, Ali15, APT17, ATF16, ADH15, AR16b, AEAM15, AHKT17, AWJ17, Ata15, BHL15, BZ16a, BZ15, BDBEE15, BCM15a, BHE+17, BSWG15, BDZ15, BC16c, BTWY15, CR17, CcL15, CXX15, CL16, CHY16, CX16, CLvS17, Chu17, CLQ17, CLP16a, CLC16, CLP16b, CLM17, Cui15, DKPC15, DNOP15, DNBH15, DwW15a, DM17b, DGL+17, DLL+17, DBMB15, ETA15, EARA15, EN17, FBL16, FLV15, Fid17, FN17, GAN+16, GSN16, GSS15a, GS15a, GZY16, GMP15, GP16a, GHJ15, GHH+16, HW15a, HB16, HEPG15, Hig15, HL16b, HML17, HSC16, HTBG15, JSP16, JLLZ15, KKP15, KNS15, KLR15, LH16, Ler15, LZ15a, LZ16, LWY17, ILNS17, LW17d, LWY18, LC16, LMM17, MBSS15, MWD16, MAM16, MP15a, MM17 ].
Time [ MH17, NDCB17, NOr15, OB17, PHRA16, PT17a, PME+15, QB16, RS16a, RGP17, RM16, RRD16, RL17, SXBB15, STKE17, SS15b, SW15, SWL15, SW16, SWPS17, SSM+17, SLu16, SZ17, SWHV16, SP15b, SPRW15, SP16c, SWZ17, Sub15, SAOW17, Tav16, TD16a, TD17, TSH17, TP17, Tie16, TBO+16, VL15, VK16, WJD16, WSO16, WBM15a, WR16, Xie15, XHC15, YLA15, ZZK16, ZDD15, Zha16, ZJ16, ZBZT17, ZLL+17b, ZZH16 ]. Time-accurate [ BOA17, BDZ15 ]. Time-dependent [ BCB15, GKA17, KBK15b, AWJ17, BHL15, BOA17, BSWG15, CX16, }
Chu17, CLP16a, DKPC15, DBMB15, GSN16, HL16b, LZ15a, ILNS17, RRD16, STEK17, SS15b, Shu16, Sub15. **time-differencing** [WBM15a]. **Time-domain** [BG16a, CLQ17, GHJ15, LH16, MH17, SWZ17]. **Time-filtered** [MM16b]. **time-fractional** [AEAM15, Ata15, CXH15, DLL+17, GSS15a, GS15a, GMP15, HB16, JLLZ15, KNS15, MP15a, XHC15, YLA15, ZKK16]. **time-harmonic** [DGL+15, ETAG15, RM16]. **time-integration** [SXBB15]. **time-marching** [FLV15]. **time-parallel** [RS16a]. **time-space** [AHKT17, BZ15, KLRT15]. **time-spectral** [MM17]. **time-staggered** [LCF16]. **time-step** [DvW15a]. **Time-stepping** [MM15, DNBH15, LW17d, Tie16]. **times** [LM15c]. **timescales** [Cos16]. **timesteps** [CS17b]. **Toeplitz** [KNS15]. **Toeplitz-like** [KNS15]. **TOKAM3X** [TBC+16]. **tokamaks** [LBZ16]. **tolerant** [AD17]. **tomography** [KBR17, MS15a, NLK+15]. **tools** [LKK17b, VWV17]. **topographical** [MDBCF17, NMM17, WG15, YR15]. **topological** [LDHJ15, Par17]. **topologically** [LWC17]. **Topology** [CWW17, MKV+17, NSL16, QDRB15, YYY+16, LSD+17]. **tori** [ZYW16]. **toroidal** [RKH15]. **torques** [NJPB17]. **Torrey** [BWY15, ZBZT17]. **Total** [HW16c, BKL17, HW15c, ZC15]. **trace** [OKE17, WLK+16]. **tracer** [BKKJ17]. **tracers** [HM17]. **traces** [ABT17, ZND16]. **tracing** [JH15]. **tracking** [AP16, BMRA+15, CTJ+17, HM16b, IM17a, PR17b, dJRP+15]. **traction** [FRL15, LXC+15, MS17]. **traffic** [HY17]. **Train** [CRZ17, GMS16, GKMS17, MZTS16]. **trajectories** [LDHJ15]. **Trajectory** [TD16b]. **transcendents** [FW17]. **transcritical** [KTN15, LPMS15, MLI17]. **transfer** [DPW+15, FB15, HG17, Her16, HDA+18, ION+17, JL17c, LFRH17, MRM16, MBHS17, MTK15, STK+16, ST15, Sla16, SJX15, SXL15, SJX17, VBG16, WSP17, WB17, WED15, YK15]. **transform** [GZY16, JB15, YXX+16, GKE15]. **transformation** [HPV16, KM17, LP17a, MOAA15, PX15, VDPP15]. **transformations** [BG16b]. **transformed** [SV17]. **transforms** [BSK15, Gno17]. **transient** [BLVC17, BPT16, CPV16, LSR16, MOAA15, Noe15, SK15b, UWH17]. **transistors** [HCW15]. **transition** [BKG15, FMRZ17, GLZ16, GZ18, HHM17, LS16c, RZ15, YR15]. **transitional** [BS15a, FNP17]. **transitions** [LJZ15, PKB15]. **translational** [BP16, WYLX17]. **Transmission** [SCS16, DCA+16, DGL+15, HSSZ16, JHPAT17]. **Transmission-line** [SC16]. **Transparent** [PE16b, Vai15, BNS17]. **Transport** [BCST17, SY16, AA16, AEVW18, ADK+17, BTA17, BKK17, BCG+15, BRW15, BRKB15, CPT16, CI17, CLY+15, CSL15, CSK+16, CK16b, CGH17, DAO17, DS15d, FL16, GMP16, GBD+15, GW16, HL16b, HW15b, JSV17, JZX15, KM16a, KFL17, KL15, KKG+15, KGP+17, LMM16, LTKA15, LLS15, LT15, LBZA16, LKSM17, Loh17, MG15b, MXL16, MP15b, Moc17, OMLdL16, OKE15, PJE+16, PHRA16, PGM17, PBA+15, PDRB17, RFGSV15, RMC15, Sch16a, Sch16b, SWG+17, SFT16, SWMD17a, SWMD17b,
SU15, SSM15, Spe15, TSFS17, VST16, WWR16, WB17, WKOE17, WBBC16, XCX17, YB17, ZA15b, ZHA17b, ZMI16b, ZCL17, vdkK16].

**transport-velocity** [ZHA17b]. **transported** [Ger17]. **transpose** [ZHA17b]. **transpose-free** [ZD15a]. **transverse** [DvB17, ZZW16]. **Trapezoidal** [AHKT17]. **traveling** [Yas17]. **traveltime** [bWAW15].

**Treat**ing [BLVC17]. **Treatment** [CNG99, CNG17, CLL17, DDJ18, HL15a, KPKG15, LFRH17, LS15b, LBZA16, MF17, MLB16, OvdH16, SMLB15, TLH15, TTN16, Zha16].

**treatments** [HHY16]. **tree** [HS17b, KDPK15, MGBG16]. **tree-based** [ZD15a]. **Tree**r [BBF17, LK16a].

**trends** [PSMPG17]. **tri** [KNS15]. **tri-diagonal** [KNS15]. **triangular** [BDZ15, CHY16, CLFL17, HLL16, KNS15, KD17b, LTXB17, MN15, Pas16, QDH15, XP15]. **triply** [HN17b]. **troubled** [FS17b]. **troubled-cell** [FS17b]. **truncated** [LB15, LT17a, PKN17]. **truncating** [GR15, Hwa16, ZFZL15].

**tsunamis** [dlAC17]. **Tucker** [LMGG17]. **tumor** [TT17a]. **tumour** [dlCGCA17]. **tunable** [LWY17]. **tune** [Ant17]. **tunneling** [DS15d, HCW15]. **tunnelling** [LYDB17].

**turbines** [MBST17]. **turbulence** [HK15a, KH15, KYPK15, LT17a, MAH16, MSP15, MMAPS17, OMYvdP15, SSO15, TBC16, VBF15, WN17, YWS16]. **turbulent** [BBKS16, BS15a, BKG15, BFTVC18, CCBdL15, CL16, CV16a, ESHA16, FNP17, FB16, KYUO15, KTN15, KCS17, KFWK17, KM15, LE16, LZ17, LDH15, MM16a, MP17, MK15, OVP15, PM16, PWP15, TKP16, UG16, WG16a, WM16, WSN15, XWL16].

**TVD** [BL15, LT17a, PKN17]. **Two** [JSY15, LEB17, RMA17, SAH17, ACRG15, AASRT17, AA16, Ama15, AC17, Ani16, BAGK16, BVG16, BXY17, BGN15, BAVC17, BLS16, BTWY15, BKKB16, CPT16, CS16a, CGK17, CCZ17, CS17b, CG16, CM18, CLM17, CYWL17, DS15a, DS15b, DCA16, DGMT17, DG16c, DL17, DvB17, EDW17, FGL16, FS16, FS17a, GZ17, GN16, HHA15, HN17a, HLM17, H16b, HTMP17, HC17, HTBG15, ID17, IGQ15, JQ15, JPL15, JS16, JS17, KJ17a, KGS17, KS16c, LVTR15, LP16, LMC16, LZ17, LLN16, IL17, LSD17, LD15, LSTK15, LDG16, MNG15a, MDDM15, Niu16, PX16, PxRS17, PM16, PR16a, PAL16, PS14, PS15a, PGM17, QYF15, RV16, RT15, RZ15, SHLG15, SHA16, SYM17, SX15, SWZ17, SJH15, SLZ17, SGP17b, TH18, TSH17, TT16, TBO16, UWH17, VNA15, VSM16b, WRL16b, WLE17, WHE17, WWD16, WG15, WKS15, XSL18].

**two** [YSY17, YM17, ZMF15, ZL16a, ZSZ17, ZBT17, dJRP15, tEDKT17].

**two-channel** [DG16c]. **two-component** [GZ17].

**Two-dimensional** [JSY15, LEB17, BVG16, BLS16, BTWY15, CLM17, CYWL17, DCA16, EDW17, FS17a, GQ15, IL17, ILN17, IL16, LD15, LSTK15, LDG16, MNG15a, MDDM15, Niu16, PX16, PxRS17, PM16, PR16a, PAL16, PS14, PS15a, PGM17, QYF15, RV16, RT15, RZ15, SHLG15, SHA16, SYM17, SX15, SWZ17, SJH15, SLZ17, SGP17b, TH18, TSH17, TT16, TBO16, UWH17, VNA15, VSM16b, WRL16b, WLE17, WHE17, WWD16, WG15, WKS15, XSL18].

**two-field** [CS16a]. **two-fluid** [AA16, Ama15, BAGK16, LDG16, Niu16, RTG15, SJH15]. **two-grid** [AC17]. **two-group** [JPL15]. **two-layer** [PM16]. **two-miscible-layer**
[SHLG15]. **two-node** [JPLL15, SGP17b]. **two-phase** [ACGR15, AASRT17, Ani16, BGN15, BAVC17, BKKRB15, CGK17, CS17b, CG16, DGMT17, FGL16, HHA15, HTMP17, HTBG15, JS16, JS17, KJ17a, KS16c, LVTR15, LPGT16, LSD+17, LDGH16, MNG15a, PS14, PS15a, PG17, RV16, RZ15, SH16, TH18, TT16, WKSS15, XSL18, YSY17, ZZ17b, dJRP+15, tEDKT17]. **Two-scale** [SAH17, CPT16, LMC16]. **two-sided** [SYM17]. **two-species** [CCZ15]. **two-stage** [LZT17, PXLL16]. **two-step** [HC17]. **two-way** [HM16b, ID17, PAL+16, QYF15]. **type** [AAG16, AJP15, BDZ15, BTVC16, CC17b, DG16a, HHY15, LDGH16, LHQ16, MDP+15, RMK15, Rod17, SY16, Spe15, WBBC16, XLL+17, SW17a, SKO17].

**Uehling** [ Yan17]. **Uhlenbeck** [ Yan17]. **ULPH** [ TL17]. **ultra** [CKT17, DLT15, ION+17]. **ultra-relativistic** [CKT17, ION+17]. **ultrasound** [HTBG15]. **unaveraged** [ALM15]. **unbounded** [BNM15, BLS16, CLC16, FH17, KA15, KA17, L16, LC16, NGY+17]. **Uncertain** [LSS16, FDI17]. **uncertainties** [AZK16, XWW+16]. **Uncertainty** [CZB15, S17b, AKZ16, AAP17, BHJ15, CC17a, CQ15, CEL15, EH14, EH15, FC16, HAP15, HJ16, IPS15, JS17, KR15, KS15, KB15b, LS15c, LLL16, MS16b, MS16, PE15, RMK15, RS17, TT17a, TGB16, WL16, WTX17, X15, vdBK17, MB16]. **uncertainty-based** [FC16]. **Unconditionally** [SLL17, T16, WSF17, BC16c, GX15, HW15a, WCB16, Yan16b, YH17]. **unconformities** [ST16]. **under-resolved** [Kim15, KCS+17, MSP15]. **undergoing** [GLS15]. **underlying** [ATF16]. **underresolved** [FBM16]. **Uneven** [Fal15]. **Uneven-order** [Fal15]. **unfitted** [ZSX17]. **uniaxial** [MDT16]. **unidimensional** [Heu17]. **Unified** [WYLX17, AG16, BT15, CX15, DPR16, DPR17, KG15, LS16b, LXSC16, PLW16, SJX15, SJXL15, SX17, X17, ZZX16]. **Uniform** [An17, AB16a, CLMZ17, LB15, L16, PL16b, SS16b, SY17, WR15, XDS17]. **Uniformly** [CLMZ17, LN15, BZ16a, LAA16, XQ17]. **uniquely** [HW15a, WDGW17]. **Universal** [TKB+15]. **unresolved** [BLG+16]. **unsplit** [C15, FGB16, OD17]. **unstable** [SWML17]. **unstaggered** [MM16b]. **unsteady** [ACS16, BK17a, BFT17, CPS17, CLP16b, F17, Kay15, L15, L16, MS16b, MDP+15, MCGS16, MC17, NDC17, NS16, RD17, SPP+16a, SDM+17, VPM15, VV17, YL16]. **Unstructured** [ACS16, SCS16, AAE17, AEL+17, BD15a, BD15b, BT16, BDZ15, BD17, BHTT17, CGK17, CH16, CSN16, CLTX15, CCM17, CLP16b, DvW15b, DL16, DMTB15, EDW17, FP16, Hu17, Ism15, IM15, IM17b, JBO15, KC17e, Kor17, KSI17, KS17, LLD+16, LM15, LLP+16, LL16b, L16, M16, MF16a, ML16, MM17, NOM+17, NYNM15, N15, PX16, Px17, PL16a, PM16, PN17, PBC+17, RSD17, SSX16, Sti17, SX17, S15, TD16a, TD17, VST16, VN15, WLM15, WR16a, WR16b, WRPL17, WVGK17, XX16, XDSX17, XX17, XL16, ZCHS15, ZZZ17, ZXD17]. **unstructured-mesh** [KS17, S15]. **updated** [TL17]. **updating**
[PDdG+17]. **Upwind**

[FRRV16, AGBL15, ABH18, Fan16, LMKS15, Mat17, MO18]. Use

[MTH+17, VBG16, BT17a, DA17, DCCC16, FG17, HS17b, LSWF16]. Using

[CG15, KV16, SNB+15, ADG17, AMJ17, AZK16, AN15, ATF16, ABT16, BVM+17a, BCNK17, BCST17, BD15a, BK17b, BJ15, BDKK17, BAVC17, BLS16, BRW15, CR17, CI17, CC17b, CZB15, CZ17, CWWZ17, CRMP16, CLL17, CSK+16, CLM15, CV16b, CLP16b, CCGH17, DD17a, DD15, DG16a, DSH+16, DPO16, DMS17, Do17, EST17, EGG+15, Eva18, EDvW17, Fid17, FGB16, FB16, FSB16, FRRV16, FN17, FKY15, Gam15, GBvZB16, GWC17, GGL+17, Gno17, GWS15, GSN17, HED+16, HB16, HLL+16, HK16, HW16a, HLR16, Hu15a, JES15, JWH16, KAR17, KW15b, KK17a, KZ15, KP15b, KDP15, KS17, LMH16, LTB16a, LDK17, LWC17, LTB16a, LSR16, LC17b, LT17b, LMM17, LSI16, LBB+17, MBSS15, MI16b, MG15b, MP15, MC17, Mi16b, MN15a, MG15b, MP15, MGS16, MSP15, MSB+16, MC17, NMM17, NCP+17]. using [NLK+15, NSL16, Nor15, OLN17, OKE17, PK17, PPC17, PD16a, PK16a, PS15b, PF15, PD16b, QLF16, RPK17a, RPK17b, RS17, RBGV15, SGP17a, SS17b, Sak18, SFT16, SWMD17a, SWMD17b, SCQP16, STW16, SLL17, SD17, SWH16, SC16, GT16, SPP+16, SS17c, TK12, TK15b, TVB+16, TO15, TBM15, VBM17, VBL+16, WRS17, WBB16, WS15a, WF17, XL17a, XDS17, XP15, YYY+16, YSC+17, YCP15, YXF+16, YW17, YL16, YC16, ZS16, ZB15, ZD17, ZJ18, ZNX15, aKT16, dPS16, dLC17, vDBK17].

utility [VWV17]. Uzawa [WSF17].

v [CBA17, TCS16a]. vacuum [CSY15, NOM+17]. valid [RKO17a].

**Validation** [ION+17, SMA+16, FOF15, GPS17a, GG15, MML17, MPP15, PT17b, SPP+16, SS17c]. validity [JG15]. value

[DGGHP17, Die15, DZC16, KADE15, PHHR17, PG15, WZ15], valued

[LM15d, Ta15, WF17]. vanishing [MK17, MSP16]. vapor

[BG16b, DD15, FMRZ17]. **VAR** [FD+15]. Variable

[CWL+16, SPP+16, ABT16, Ata15, Cui15, EMSS17, HW18, MS16a, Niu16, PPCK17, SP15a, SAK18, SXY18, TSH17, TPB16, WZ15, WW17, WFD17, YZ17, ZK15, ZKS16]. variable-coefficient [WZ15, WW17].

variable-density [SP15a]. Variable-order [CWL+16, TSH17], variables

[Kla15, LK16b, SP15a, WBC+16]. variably [HSK+15, Zad11]. Variance

[GJI15, MWD16, NW15, CCL16, KM17, VCN15]. **Variance-reduced** [MWD16]. variant [GB15, ZD15a]. variate [FDK17, SW17].

**Variation** [SIX16, BL17, ZC15]. Variational

[Kou16, KTG16, PK17, WRPL17, ZC15, ZSX17, ADP+16, CZB15, EBQ15, EE16, FPDT17, FDF17, GAN+16, GS15c, GM16, GWE+15, HKK16, HK15b, JJ17, KR17, LWL17, LWL17, RG15, RS16a, SWML17, SD17, SSO+15, SWH16, SSN15, YG17, ZSY17, ZS16]. variations [WT16]. various [BMT16]. varying [GDFL17, NHM17, NKS+16, RÖS17, SKF16]. vascular [BF+16]. **Vector** [KBR17, BMT16, BGM15, CBJ16, CX16,
GKE15, Moc17, SE15, Tav15, WF17, YTW15]. vector-potential [CX16].

vector-valued [Tav15, WF17]. Velocity

[SMS16, BDG⊕17, BS15a, CSG17, CVG18, Fal16, HLML17, JLQX15, JLFK17, LM16, MBST17, NF17, OMLdL16, RRM⊕16, ZHA17b]. Velocity-correction [SMS16]. velocity-decomposition [MBST17].


virtual [BBB⊕16, CWW17, PJC16, TTN⊕16, TCS⊕16b]. viscoelastic [CC15, GSS15b, HM17, KDL15, MSS16, MM16d, NNW17, PPLC16, RBJS15, RXSG15, RAMB15, SGMS16, SKF15, SST⊕15, WTL17, YSWS16, YXF⊕16, YZZ15, ZYSW16, aKT16].

viscoelasticity [YPK16]. viscoplastic [FGGV18, LEB⊕17]. viscoresistive [HzdHB⊕16].

viscosities [BR15a, YY17]. viscosity [CJD⊕17, DRM15, FB17, FRRV16, HIN⊕16, LWB⊕16, MK17, MG15b, MSP16, RVZB15, Ros17, SHP⊕16].

viscous [DPRZ16, LAA16, AMM⊕15, BLG⊕16, BKKRB16, CJD⊕17, CX16, HEPG15, HLS15, KDL15, LVTR15, LT15, LC16, LC17b, MS17, MCGS16, MM16d, NWW17, PPLC16, RBS15, RXSG15, RAMB15, SGMS16, SKF15, Sst⊕15, WTL17, YSWS16, YXF⊕16, ZYSW16, aKT16].

viscous-plastic [WTL17]. visualization [HIN⊕16, KLA17]. Vlasov [QHZ⊕15, BDM17, CQQ16, CCZ15, CGJ16, CE15, CLMZ17, DDD17, Del15, EL15, LY15a, MDVM16, RTG15, SC16, TC15a, TKC15, WSY16, ZG17].

VOF [HDA⊕18, MNG15a, PR16a]. VOF-based [PR16a]. Volterra [Moh15].

Volume [AGBL15, FB15, FPT17, HSLQ15, JBLO15, Kat16, MDL16, NT15, RW15b, SAK18, ABG⊕15, APP⊕16, AEL⊕15a, AEL⊕15b, ABT16, AMM⊕15, AM17b, BD15a, Bat17, BGV17, BLVC17, BLMY17, BTVB15, BLD15, BDZ15, BD17, BHTT17, BKR15, BFTVC18, CCZ16, CCW18, Cho15, CGP16, CSH15, CHS17, CCM17, DRP⊕16, DB16a, DMS17, DVP⊕16, DL16, EK12, EDv17, GOR17, GL15, HLSQ16, HZ16, HZ4, Hu17, HY16, Hu17, Iso15, IGQ15, IDS15, IMB17, JWB15, JW16, KW15b, Kla15, KS17, LLD⊕16, LN17, LXR16, LL16b, LZ17b, LY16c, LJ16, LG16, MAK15, MHDC15, MRK15, MSS16, NJPB17, Nis15, Nor15, PxRS17, PHO⊕16, PS16, PR16b, Pei16, PWP15, RMA17, RKR15G17, RBL16, SPX⊕18, SAE17, SY16, SKO17, SYL16, SYM17, SDH⊕16, SKG17, SFP16, Tav15, TMT17, TVB⊕16, WR15, WRL16a, WRL16b, WRPL17, XWL⊕16]. volume
Volume-averaged [BTVB15].

Volume-of-Fluid
[JBLO15, RW15b, SAK18, IM17b, LY16c, PR16b, RKRGW17].

Volume-of-Fluid-based [FB15].

Volume-preserving [HSLQ15, HSLQ16].

Volume/finite [BFTVC18].

Volume/Monte Carlo [GDS16].

Volumetric [WN17].

Voronoï [FHA17a, GLTG15, GPG17, PLB18].

Vortex [BPGS16, BR15b, BR16, HKLW15, RHvR15, XWB15, XY17, ZYW16].

Vortex-induced [BPGS16].

Vortex-surface [XY17].

Vortices [LLM17].

Vorticity [CX16, BS15a, KO17, PG17, XWB15].

Voxelization [PA15].

Vries [LY16b].

Waals [PSS17].

Wakefield [MAM16, YXD16].

Walk [HHK15, ADHN15, KC15a, RFGSV15].

Walk-on-Spheres [HHK15].

Wall [Don17, CW16, CW17, CV15, HL15a, HHY15, MS17, NL15, PM16, PCN15b, Sti15, SGPI17, VM15].

Wall-bounded [Don17].

Walls [DCBK15].

Walsh [Gno17].

Warburton [AMP16].

War [Luc15, MT17, PS15b, AMN18, ABP16, AMJ17, An17, ABH18, BNM15, BDBEE15, BGGM15, CZW17, CSG17, CLQ17, DCA16, DKK15, FS16, FKR16, GFG15, GH17a, GKN17, GP16b, HK15a, HSC16, HX15, KS18, KLR15, LC18, LHMB16, LC17a, LGB16, LT16b, LY16c, LK16a, LMM17, LQB16, MD17, MSS16, MSH15, MH17, PDdG17, POS16, RM16, RSH17, SSL17, ST16, SCN17, SS17a, SM16, SZF15, TM15a, WLE17, WSOW16, XY16, YLY17, YSL17, ZWW16, ZZW16, ZWUR16].

Wave-based [AMJ17, LGB16].

Wave-diusion [Luc15].

Wave-in-cell [TM15a].

Waveform [NGS16, MKYZ17, PKN17].

Waveguides [Tre16].

Wavelet [BDV17, DLK17, CWL16, CYWL17, GBD15, LAK16, Moh15, NVBDV15].

Wavelet-based [DLK17, CYWL17, GBD15, Moh15].

Wavelets [MKVD15, ABP16, SWHV16].

Wavenumber [LN15].

Waves [BDDB17, DvW15, DZ16, DHC16, EKE16, FS17a, GBS15, GP16c, HN17a, Hu17, HTBG15, IG15, IM15, LC18, LW16, MC17, OLHD17, PKN17, PS14, PS15a, SZW16, SSM17, SS17c, SWZ17, VAD17, VK15, WMY16, WTL17, XY16, YSC17, ZD17, ZED15, vOMB17].

Way [HM16, ID17, PAL16, QYF15, SL16b, TP17, TC15c].

Weak [Svai15, Fal16, MWYZ16, SD17].

Weak-constraint [SD17].

Weak-perturbative [Fal16].

Weakly [ALA16, CGM15, LM15a, PMS15, SHA16, SPP16b, Tsa15, Tsa16, VM15, ZHA17a].

Weakly-ionized [PMS15].

Webb [ZJS15].

Weighted [LJ16, ZNX15, FBL17, GSN17, HWA15, KK17b].
LPWK15, LZZS15, OKWE17, WL17, YL16, ZQ17.

**Weighted-least-squares** [LJ16]. Well [CV17, IG15, JWH16, LX18, LMKS15, ABT16, DVP+16, MDBCF17, PN17, PND16, SO17, XCX17].

**Well-balanced** [LX18, LMKS15, ABT16, MDBCF17, PN17, XCX17].

**Well-conditioned** [JWH16, SO17], well-driven [DVP+16], well-posed [PND16]. Well-posedness [IG15]. Wendroff [DDJ18, FLW16, Heu17, LFT+16]. WENO [AdRBC16, BGS16, BK16a, Bre17, CLTX15, CGJ16, DLK17, DS15d, GGL+17, HAH16, HC18, Jac17b, JZ16, LX16, NF17, Nor15, PS16, Shu16, TLQ15, TLQ16, WDS15, WT15, ZQ16a, ZSQ17, ZQ16b, ZS17, dFJN16, vLtTBI17].


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

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


References

Anistratov:2015:ISA


Aliaga:2016:FBK

José I. Aliaga, Pedro Alonso, José M. Badía, Pablo Chacón,

Ahusborde:2015:MSD


Ahusborde:2015:MSD


Aminfar:2016:FBL


Adrian:2017:HPE


Adimurthi:2016:GTN
Adelek:2016:RLF


Abadie:2015:CES


Arnst:2017:ISM


Abu-Al-Saud:2017:MLS


Archer:2015:NNO

Akiki:2016:IBM

Amlani:2016:FBS

Asgharzadeh:2017:NKM

Amore:2016:HOE

Abushaikha:2015:ICV


REFERENCES
REFERENCES


REFERENCES


Ahmed:2015:CVD


Ahmed:2015:TDC


Ahmed:2017:CMF


Akkutlu:2018:MMR


Abdi:2016:ECU

[AG16] Daniel S. Abdi and Francis X. Giraldo. Efficient construction of unified continuous and discontinuous Galerkin formulations for the 3D Euler equations. *Journal of Compu-
REFERENCES


AIP17 Emanuela Abbate, Angelo Iollo, and Gabriella Puppo. An all-speed relaxation scheme for gases and compressible materials. Journal of Computational Physics, 351(?):1–24, December 15,
REFERENCES


REFERENCES

Aldegunde:2016:DEC


Azarnykh:2016:NMW


Alikhanov:2015:NDS


Ahlkrona:2016:DCN


Andriyash:2015:SUA

Algar:2017:EHT


Asthana:2015:NLS


Antoine:2017:ESC


Auclair:2017:INM


REFERENCES


[ANL+16] Christoph M. Augustin, Aurel Neic, Manfred Liebmann, Anton J. Prassl, Steven A. Niederer, Gundolf Haase, and Ger-
Anonymous:2015:Cg


Anonymous:2015:Ch


Anonymous:2015:Ci


Anonymous:2015:Cj


Anonymous:2015:Ck


Anonymous:2015:Cl


Anonymous:2015:Cm

REFERENCES


REFERENCES

Anonymous:2015:Cab


Anonymous:2015:Cac


Anonymous:2015:Cad


Anonymous:2015:cae


Anonymous:2015:Caf


Anonymous:2015:Cag


Anonymous:2015:Cah

REFERENCES


REFERENCES


REFERENCES


Anonymous:2016:Cl


Anonymous:2016:Cm


Anonymous:2016:Cn


Anonymous:2016:Co


Anonymous:2016:Cp


Anonymous:2016:Cq


Anonymous:2016:Cr

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Anonymous: 2017: Ci

Anonymous: 2017: Cj

Anonymous: 2017: Ck

Anonymous: 2017: Cl

Anonymous: 2017: Cm

Anonymous: 2017: Cn

Anonymous: 2017: Co
Anonymous. Contents. Journal of Computational Physics, 336(??):ibc, May 1, 2017. CODEN JCTPAH. ISSN 0021-
REFERENCES

Anonymous: 2017:Cp

Anonymous: 2017:Cq

Anonymous: 2017:Cr

Anonymous: 2017:Cs

Anonymous: 2017:Ct

Anonymous: 2017:Cu

Anonymous: 2017:Cv
REFERENCES


REFERENCES

Anonymous:2017:Cak


Anonymous:2017:Cam


Anonymous:2017:Can


Anonymous:2017:Cao


Anonymous:2017:Cap


Anonymous:2017:Caq


Anonymous:2017:Car

REFERENCES


Anonymous:2017:CCf


Anonymous:2017:Cal


Anonymous:2017:CCg


Anonymous:2018:Ca


Anonymous:2018:Cb


Anonymous:2018:Cc

REFERENCES


REFERENCES


Alldredge:2015:RPD


Ambrus:2016:LBM


Ahlkrona:2017:MAN


Ahmadian:2015:TMN


Almanasreh:2013:SFE

Almanasreh:2017:CSF


Anumolu:2018:GAL


Atangana:2015:SCT


Arabi:2017:SER


Amsallem:2016:RTS

REFERENCES


REFERENCES


REFERENCES


Barucq:2017:STD


Bandaru:2016:HFD


Bhardwaj:2016:PPI


Bertoglio:2016:SRB


Bierig:2016:APD

REFERENCES


REFERENCES

1. Babaee:2017:RBO

2. Bajars:2017:TPS


5. Brethes:2016:ANO
Gautier Bréthes and Alain Dervieux. Anisotropic norm-oriented mesh adaptation for a Poisson problem. *Journal of Computational Physics*, 322(??):804–826, October 1,


Mikhail Belonosov, Maxim Dmitriev, Victor Kostin, Dmitry Neklyudov, and Vladimir Tcheverda. An iterative solver


[BDZ15] Walter Boscheri, Michael Dumbser, and Olindo Zanotti. High order cell-centered Lagrangian-type finite volume schemes with


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

148


[BK16a] Dinshaw S. Balsara and Jinho Kim. A subluminal relativistic magnetohydrodynamics scheme with ADER–WENO pre-


[BKG15] A. Bukhvostova, J. G. M. Kuerten, and B. J. Geurts. Low Mach number algorithm for droplet-laden turbulent chan-


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Bhattacharjee:2016:NMB


Burton:2015:RDL


Beretta:2018:RPC


Barlow:2016:ALE


Blazakis:2015:WCT

Konstantinos N. Blazakis, Anotida Madzvamuse, Constantino Carlos Reyes-Aldasoro, Vanessa Styles, and Chandrasekhar
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


[Balsara:2017:CEM]


[Blais:2015:CLB]


[Busto:2016:DAA]


[Bu:2015:FDF]

[BTWY15] Weiping Bu, Yifa Tang, Yingchuan Wu, and Jiye Yang. Finite difference/finite element method for two-dimensional space...
REFERENCES


**Bukac:2016:LCS**


**Barbas:2015:DGM**


**Balsara:2016:TDR**


**Baars:2017:CPD**

REFERENCES


REFERENCES


REFERENCES


Castillo:2015:FST


Chacon:2016:CFI


Chakraborty:2016:SED


Cinnella:2016:HOI


Chakraborty:2017:EAB

REFERENCES

168


Chalons:2017:NCC


Chen:2017:NEF


Capuano:2015:EPT


Capuano:2015:ETA

REFERENCES


REFERENCES


[CD17] Robert Chiodi and Olivier Desjardins. A reformulation of the conservative level set reinitialization equation for accurate


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Cheung:2015:LMM


Christlieb:2015:HOP


Cheng:2017:AST


Christlieb:2015:HOO


Chen:2015:AFQ


REFERENCES


REFERENCES


Chen:2015:NAH


Chen:2017:CSS


Cai:2016:CSL


Cakoni:2017:DIS


Chicco-Ruiz:2016:APM

Carrillo:2016:NSN


Corona:2017:TT


Chacon:2016:SFI


Chen:2016:SGR


Chen:2016:EAE


[Commill:2015:CCU]


[Collins:2016:SAN]


[Choi:2015:IIT]


[Chiapolino:2017:SDI]


[Collins:2016:SAN]

REFERENCES


REFERENCES


Contarino:2016:JGR


Cui:2015:CES


Cortez:2015:GSI


Churbanov:2016:NIS


Cools:2016:FRC

S. Cools and W. Vanroose. A fast and robust computational method for the ionization cross sections of the driven Schrödinger equation using an $O(N)$ multigrid-based scheme.
REFERENCES


REFERENCES


REFERENCES

Chen:2016:IMM


Chen:2017:IMM


Chen:2015:UPU


Chen:2017:REP


Chen:2015:SMM

Cai:2017:DPS


Dehghan:2017:UPO


Doisneau:2017:SLT


Davidchack:2010:DEM


Davidchack:2015:CDE

REFERENCES


REFERENCES


[Delmotte:2015:GFB] Blaise Delmotte, Eric Climent, and Franck Plouraboué. A general formulation of Bead Models applied to flexible fibers...
REFERENCES


Degond:2017:APM


Degond:2017:APP


Demaziere:2017:DPK


Dakin:2018:ILW


REFERENCES


**Daude:2016:CBN**


**Detrixhe:2016:HMP**


**Dhiman:2016:CDI**


**Dambrine:2017:NSH**

Dolean:2015:ETC


Deng:2017:LCS


Dana:2018:MFS


Du:2016:FAS


Diddens:2017:DFE

REFERENCES

Diethelm:2015:IES

Ducru:2017:KRM

deJesus:2015:FT

Duan:2015:CCS

Duru:2015:BCS
REFERENCES


[DL17] Kelsey L. DiPietro and Alan E. Lindsay. Monge–Ampère simulation of fourth order PDEs in two dimensions with

delaAsuncion:2017:STG


Ding:2015:HOA


delaCruz:2017:CGH


delavant:2017:LSS


delaHoz:2016:PSM

Francisco de la Hoz and Carlota M. Cuesta. A pseudo-spectral method for a non-local KdV–Burgers equation posed on $\mathbb{R}$.
REFERENCES


[DLNR18] Giacomo Dimarco, Raphaël Loubère, Jacek Narski, and Thomas Rey. An efficient numerical method for solving the


REFERENCES


REFERENCES


REFERENCES


REFERENCES


deTullio:2016:MLS


Londersele:2017:DSA


Dilz:2017:DIE


Dotlic:2016:SOA


Denner:2015:NTS

REFERENCES

[Denner:2015:TDT]


[Derigs:2016:NHO]


[Derigs:2017:NAT]


[Du:2015:FMG]


[Diaz:2016:EDS]

REFERENCES


REFERENCES


Errami:2015:DHB


Engquist:2017:SIS


Engquist:2015:FSM


Eslaminia:2016:DSP


Egan:2017:GDM


REFERENCES


REFERENCES


Stefan Fleckenstein and Dieter Bothe. A volume-of-fluid-based numerical method for multi-component mass trans-

**Fakhari:2017:DIM**


**Froio:2016:DOA**


**Fernandes:2015:AEC**


**Fortin:2015:MEA**

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Fu:2017:NPM


Foster:2017:SPS


Fernandez:2015:FDT


Fridrich:2016:SCC


Fan:2015:TDS


Fechter:2017:SIM

REFERENCES


References


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


[GRB15] Sudip Garain, Dinshaw S. Balsara, and John Reid. Comparing Coarray Fortran (CAF) with MPI for several structured mesh PDE applications. *Journal of Computational Physics*, 297


Gerhard:2015:MBG


Guddati:2016:ECT


Ghigo:2017:LSH


Ghoos:2016:ACC


Gentile:2011:IET


Ghigo:2017:NMM


Gibou:2018:RLS


Guo:2016:HRS


Gimenez:2015:EVL


Gjennestad:2017:CTD


Gamba:2015:SMK


Ghosh:2017:CIE


Ghanbarzadeh:2015:LSM


Garrick:2017:ICS


Gorji:2015:FPD


REFERENCES


Geier:2017:PCLb


Ginzburg:2015:TET


Grigoriu:2015:PMS


Gonzalez-Rodriguez:2015:LEI


Goshayeshi:2015:DSH


[Guo:2016:ESB]


[Guo:2016:LBM]


[Gan:2015:CET]


[Gillis:2017:EIP]


[Guha:2015:VBA]


REFERENCES


REFERENCES


REFERENCES


REFERENCES


[Hampton:2015:CSP]


[Hill:2018:BPI]


[Haverkort:2016:IFV]


[Hamilton:2015:ESS]


[Hamilton:2016:HZP]

Steven P. Hamilton, Thomas M. Evans, Gregory G. Davidson, Seth R. Johnson, Tara M. Pandya, and Andrew T. Godfrey. Hot zero power reactor calculations using the Insilico code.
REFERENCES


REFERENCES


[HHM17] Ee Han, Maren Hantke, and Siegfried Müller. Efficient and robust relaxation procedures for multi-component mixtures including phase transition. *Journal of Computational Physics*,
REFERENCES


REFERENCES

Hayashi:2016:YYZ


Helsing:2016:DNE


Hirschler:2016:OBC


Hedges:2017:SLS


Harmandaris:2016:PSV

Vagelis Harmandaris, Evangelia Kalligiannaki, Markos Katsoulakis, and Petr Plechác. Path-space variational inference for non-equilibrium coarse-grained systems. *Journal of Computational Physics*, 314(??):355–383, June 1, 2016. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-
Hejlesen:2015:IBP


Huber:2016:PBM


Hartmann:2015:GAC


Hou:2015:HSF


Halashi:2016:RDG

Behrouz Karami Halashi and Hong Luo. A reconstructed discontinuous Galerkin method for magnetohydrodynamics on arbitrary grids. *Journal of Computational Physics*, 326(??):258–277, December 1, 2016. CODEN JCTPAH. ISSN 0021-9991 (print),


REFERENCES


REFERENCES


REFERENCES


Heumann:2017:FEM


Halpern:2016:GCT


Hardin:2017:FFE


Hasbestan:2017:SNU


Hiller:2016:SRD

REFERENCES


REFERENCES

He:2016:HOV


Huang:2016:RIM


Huber:2015:TSP


Hosseini:2017:IAN


He:2017:CBI

REFERENCES


Hejlesen:2016:MMS


Huang:2016:TOA


Huang:2016:TEB


Huang:2018:LBM


Hu:2015:ELD

REFERENCES


REFERENCES


REFERENCES


Ireland:2017:IPD


Idomura:2016:NHK


Ivan:2015:HOC


Imbert-Gerard:2015:WPG


Isola:2015:FVS


Iga:2015:SSS

Shin ichi Iga. Smooth, seamless, and structured grid generation with flexibility in resolution distribution on a sphere based


[Im17b] Christopher B. Ivey and Parviz Moin. Conservative and bounded volume-of-fluid advection on unstructured grids. *Jour-
REFERENCES

Imbert:2015:FDM


Ishii:2017:VRT


Isaac:2015:SEA


Ismagilov:2015:SOF

Itu:2015:PEF


Iwasaki:2015:MDE


Jackson:2017:FNS


Jackson:2017:EAW


Javaloyes:2015:RCS


Jofre:2015:PLB

Lluís Jofre, Ricard Borrell, Oriol Lehmkuhl, and Assensi Oliva. Parallel load balancing strategy for volume-of-fluid

**Joshi:2017:HOM**


**Josey:2016:WMC**


**Jakeman:2015:EIM**


**Josey:2017:HOM**


**Johnen:2015:GVC**


Johansson:2016:TDC


Jenkins:2015:CEM


Jibben:2017:AOR


Jerez-Hanckes:2017:MSF
REFERENCES

Juno:2018:DGA


Joshi:2017:PPV


Jarecka:2015:SDS


Jeers:2017:GBH


Jiang:2015:MEL

REFERENCES


REFERENCES


REFERENCES

Jin:2016:MMT


Jin:2017:SAP


Jaensch:2016:RFC


Jemison:2015:FCM


Jiang:2017:AMC

REFERENCES


REFERENCES

Jiang:2017:DDM

Jin:2015:APM

Jiang:2016:KSS

Kew:2015:NEG

Khosravian-Arab:2015:FSL


Kursawe:2017:IIC


Kou:2015:FRA


Kampmann:2015:PEC


Kim:2015:QSU


Koulouri:2017:VTR

Alexandra Koulouri, Mike Brookes, and Ville Rimpiläinen. Vector tomography for reconstructing electric fields with non-zero divergence in bounded domains. *Journal of Computational Physics*, 329(??):73–90, January 15, 2017. CO-


[KDPK15] Dorian Krause, Thomas Dickopf, Mark Potse, and Rolf Krause. Towards a large-scale scalable adaptive heart model using shal-


REFERENCES

Kochunas:2017:FAI


Krank:2017:HOS


Kopera:2015:MCU


Kou:2017:CMB


Khayyer:2017:CSA

[KGS17] Abbas Khayyer, Hitoshi Gotoh, and Yuma Shimizu. Comparative study on accuracy and conservation properties of


REFERENCES


Kuc:2017:PFP


Kim:2017:FDM


Kozychenko:2016:IAE


Kim:2017:AMC


Kotalczyk:2017:MCM

Kim:2016:EEM


Karagiannis:2015:BMS


Kikinzon:2017:ASC


Kalliadasis:2015:NFE


Kawashima:2015:HES

Kawashima:2016:FSM


Kang:2015:POL


Kophazi:2015:SAD


Keady:2016:SMC


Karagiannis:2017:BCC

Georgios Karagiannis and Guang Lin. On the Bayesian calibration of computer model mixtures through experimental data, and the design of predictive models. *Journal of Computational Physics*, 342(??):139–160, August 1, 2017. COD-
REFERENCES


Kempe:2015:IFS


Kwan:2017:FHS


Kwon:2015:NSM


Kammerer:2016:KMT


Keshavarzzadeh:2016:IDN

V. Keshavarzzadeh and S. F. Masri. Identification of discontinuous nonlinear systems via a multivariate Padé approach. *Journal of Computational Physics*, 306(?):520–545, February 1, 2016. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716
Kanjilal:2017:GTB


Kaiser:2018:SEC


Kastner:2016:IAC


Kindelan:2016:RBF


Ke:2015:FDM


REFERENCES


Koto:2016:NDC


Koto:2018:CND


Katsoulakis:2017:SIP


Koutsourelakis:2016:SIB


King:2015:BCS

REFERENCES


REFERENCES

320


[Lan:2016:EHO] Shiwei Lan, Tan Bui-Thanh, Mike Christie, and Mark Girolami. Emulation of higher-order tensors in manifold Monte

**Li:2016:CSF**


**Li:2016:ITG**


**Lee:2015:DFI**


**Liska:2016:FLG**


**Liang:2017:NMD**

[Hui Liang and Xiaobo Chen. A new multi-domain method based on an analytical control surface for linear and second-]

**Liska:2017:FIB**


**Lee:2018:SAK**


**Llor:2016:EPE**


**Li:2016:MCC**


**Liu:2015:DII**


REFERENCES


REFERENCES

Li:2016:IBLa


Lee:2017:PCM


LeHardy:2017:SRT


Lu:2016:ILW


Lieu:2016:CHO

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


[Philippe G. LeFloch and Jean-Marc Mercier. Revisiting the method of characteristics via a convex hull algorithm. *Journal of Computational Physics*, 298(??):95–112, October 1,
REFERENCES


 REFERENCES


Litsarev:2016:LRA


Lohmann:2017:FCTb


Lozano:2017:MSB


Lejay:2016:SDP


Liu:2016:AED


Luo:2017:AMB

[LP17a] Songting Luo and Nicholas Payne. An asymptotic method based on a Hopf–Cole transformation for a kinetic BGK

[Luo:2017:PPH]


[Lenarda:2017:PCA]


[Lockerby:2015:ACH]


[Lepilliez:2016:TPF]


[Leguebe:2015:SOC]

M. Leguébe, C. Poignard, and L. Weynans. A second-order Cartesian method for the simulation of electroporation
REFERENCES

Lee:2015:SWP


Lu:2016:BEF


Lee:2017:DNS


Luo:2018:MMM


[LS16b] Jing Li and Panos Stinis. A unified framework for mesh refinement in random and physical space. *Journal of Com-
REFERENCES


Lewis:2016:ITA


Luo:2015:MCL


Li:2015:NAM


Li:2017:ITM


Lu:2017:CSAb

REFERENCES


REFERENCES

Luan:2017:PIE


Liu:2017:HOT


Luchko:2015:WDD


Lavalle:2015:NRM


Lalanne:2015:CVT

REFERENCES


[Liu:2017:AHO] Changying Liu and Xinyuan Wu. Arbitrarily high-order time-stepping schemes based on the operator spectrum the-

[Liu:2017:FES]


[Liu:2016:LBM]

Liu:2017:EFE


[LWC17]

Luo:2017:SCV

Zhipeng Li, Hongchun Wu, Yunzhao Li, and Liangzhi Cao. Block-diagonalization of the variational nodal response matrix using the symmetry group theory. *Journal of Comput-*
REFERENCES


Fei Liao and Zhengyin Ye. Extending geometric conservation law to cell-centered finite difference methods on moving and deforming grids. Journal of Computational Physics, 303
Lu:2015:CER


[LY15c]

Liu:2016:MSP


[LY16a]

Liu:2016:HPD


[LY16b]

Liu:2016:CPF


[LY16c]

Lu:2016:SPS


REFERENCES

 Li:2016:EIN


 Li:2017:RSF


 Li:2017:HOF


 Li:2017:DDA


 Lu:2017:AOS

Liu:2015:SAD


Liao:2017:TSA


Lu:2017:RPB


Liu:2015:NCC


Motheau:2016:HON

REFERENCES

Mattsson:2017:HOA


Machado:2015:NCL


Macrossan:2016:RCL


Miura:2016:HES


Mahady:2015:VFM

REFERENCES

Massimo:2016:CTE


Martins:2017:CCL


Mattsson:2017:DNU


Muller:2015:HOA


Mitscha-Baude:2017:AIM

REFERENCES


REFERENCES


Marrone:2016:CSP


Mengaldo:2015:DTH


Moguen:2015:GTS


Moon:2016:SEG


Manzini:2016:LFS

REFERENCES


Francesco Mainardi and Roberto Garrappa. On complete monotonicity of the Prabhakar function and non-Debye relaxation in dielectrics. *Journal of Computational Physics*, 293(??):70–80, July 15, 2015. CODEN JCTPAH. ISSN 0021-9991 (print),
REFERENCES


REFERENCES


[MK17] Zhiping Mao and George Em Karniadakis. Fractional Burgers equation with nonlinear non-locality: Spectral vanishing viscosity and local discontinuous Galerkin methods. *Journal of Computational Physics*, 336(??):143–163, May 1, 2017. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electroni-
Meena:2017:PPH


Munk:2017:TOM


Malovichko:2017:ASA


Moyner:2016:MRS


Muller:2016:CTV

Lucas O. Müller, Günter Leugering, and Pablo J. Blanco. Consistent treatment of viscoelastic effects at junctions in


REFERENCES


Mitchell:2016:HLI


Muralidharan:2016:HOA


Mundis:2017:TOS


Maier:2017:DES


REFERENCES


M. K. Mudunuru and K. B. Nakshatrala. On enforcing maximum principles and achieving element-wise species balance for advection–diffusion-reaction equations under the finite element


REFERENCES


REFERENCES


REFERENCES

Mehlmann:2017:FEM


Machac:2016:EDS


Mirkov:2015:IFV


Maginot:2016:HOS


Mazaheri:2016:FOH


Manoli:2015:IPF

[MRP+15] Gabriele Manoli, Matteo Rossi, Damiano Pasetto, Rita Deiana, Stefano Ferraris, Giorgio Cassiani, and Mario Putti. An it-

**Mohebujjaman:2017:EBM**


**Michaud-Rioux:2016:RRS**


**Maire:2015:PRR**


**Mandal:2015:GMC**


**Mattsson:2015:HFN**

Ken Mattsson and Vidar Stiernström. High-fidelity numerical simulation of the dynamic beam equation. *Journal of
REFERENCES


Collin S. Meierbachtol, Daniil Svyatskiy, Gian Luca Delzanno, Louis J. Vernon, and J. David Moulton. An electrostatic...


REFERENCES

Miyauchi:2015:NMM


Morii:2016:EFR


Miyauchi:2017:NMI


Montgomery:2017:UMZ


Masson:2016:CCL

REFERENCES


REFERENCES

Mei:2016:CAO


Mei:2017:SER


Morgan:2017:LSM


Morgan:2015:GLP


Morgan:2015:PCA

Nathaniel R. Morgan, Jacob I. Waltz, Donald E. Burton, Marc R. Charest, Thomas R. Canfield, and John G. Wohlbier. A point-centered arbitrary Lagrangian Eulerian hydrodynamic approach for tetrahedral meshes. *Journal of
Maginnis:2016:VRS


Mu:2016:NW


Metti:2016:ESD


Mukherjee:2015:DEB


Main:2017:EFM

Alex Main, Xianyi Zeng, Philip Avery, and Charbel Farhat. An enhanced FIVER method for multi-material flow problems with second-order convergence rate. *Journal of Compu-
Matveev:2016:TTV


Neic:2017:ECE


Nigro:2017:SDT


Nonomura:2017:CFD


Nath:2017:SPC


Nishikawa:2015:APB


Niu:2016:CTF


Nelson:2015:DFL


Nangia:2017:MCV


Niemi:2015:DMS


Noumir:2015:FML


Nourgaliev:2016:FIO


Negri:2015:EMR


Nazari:2015:HOL

REFERENCES


REFERENCES


Norgaard:2016:TOU


Nair:2015:VCI


Nuter:2016:SNC


Nejadmalayeri:2015:PAW


Nordstrom:2015:VRT


REFERENCES


Ortigueira:2015:WFD


Oger:2016:SAI


Ostilla-Monico:2015:MRS


Orley:2015:CEB


Opp:2017:ERE

REFERENCES


REFERENCES


Grégoire Pont, Pierre Brenner, Paola Cinnella, Bruno Maurgars, and Jean-Christophe Robinet. Multiple-correction hybrid $k$-exact schemes for high-order compressible RANS–LES


REFERENCES

Pan:2017:IFE


Plante:2015:GFP


Parish:2016:PDD


Pourmatin:2016:MRS


Parish:2017:DSS

Eric J. Parish and Karthik Duraisamy. A dynamic subgrid scale model for Large Eddy Simulations based on the Mori–Zwanzig formalism. *Journal of Computational Physics*, 349(??):154–175,


[PE16a] Konstantinos T. Panourgias and John A. Ekaterinaris. A nonlinear filter for high order discontinuous Galerkin discretiza-


Pepona:2016:CIB

Palha:2017:MEE

Pan:2018:DFM

Plestenjak:2015:SCM

Peluchon:2017:RIE
REFERENCES


[Hao:2015:FOA] Zhao peng Hao, Zhi zhong Sun, and Wan rong Cao. A fourth-order approximation of fractional derivatives with its applica-
REFERENCES


Aditya K. Pandare and Hong Luo. A hybrid reconstructed discontinuous Galerkin and continuous Galerkin finite element


REFERENCES


Ashish Pathak and Mehdi Raessi. A 3D, fully Eulerian, VOF-based solver to study the interaction between two fluids and moving rigid bodies using the fictitious domain method. *Journal of Computational Physics*, 311(??):87–113, April 15, 2016. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716
Pathak:2016:TDV


Petras:2016:PMS


Pasquetti:2017:CVF


Popovic:2017:AFI


Pelanti:2014:MEC


REFERENCES


REFERENCES


REFERENCES


[QLF16] Linhai Qiu, Wenlong Lu, and Ronald Fedkiw. An adaptive
discretization of compressible flow using a multitude of mov-
ing Cartesian grids. *Journal of Computational Physics*, 305
(??):75–110, January 15, 2016. CODEN JCTPAH. ISSN

[QS16] Chaoyu Quan and Benjamin Stamm. Mathematical analy-
sis and calculation of molecular surfaces. *Journal of Com-
cputational Physics*, 322(??):760–782, October 1, 2016. CO-
DEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-
article/pii/S0021999116302868.

discontinuous Galerkin methods for relativistic hydrodynamics.
*Journal of Computational Physics*, 315(??):323–347, June 15,
2016. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716
article/pii/S0021999116300201.

[QWXZ17] Changhe Qiao, Shuhong Wu, Jinchao Xu, and Chen-Song
Zhang. Analytical decoupling techniques for fully implicit reser-
vooir simulation. *Journal of Computational Physics*, 336(??):664–
681, May 1, 2017. CODEN JCTPAH. ISSN 0021-9991 (print),
com/science/article/pii/S0021999117301316.

[QYF15] Linhai Qiu, Yue Yu, and Ronald Fedkiw. On thin gaps be-
tween rigid bodies two-way coupled to incompressible flow.
CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-
article/pii/S0021999115001746.

[RA17] Christopher M. Romick and Tariq D. Aslam. High-order
shock-fitted detonation propagation in high explosives. *Jour-


Matthew J. Reynolds, Gregory Beylkin, and Alireza Doostan. Optimization via separated representations and the canonical tensor decomposition. *Journal of Computational Physics, 348*


B. Re, C. Dobrzynski, and A. Guardone. An interpolation-free ALE scheme for unsteady inviscid flows computations with large boundary displacements over three-dimensional adaptive

**Roberts:2015:DPG**


**Rahbaralam:2015:DWR**


**Rangarajan:2015:FEM**


**Rietmann:2017:NLT**


REFERENCES


REFERENCES


REFERENCES


[Rona:2017:OPC]

[Rainwater:2016:NAC]

[Rieke:2015:CVT]

[Rojas:2015:PFL]

[Romer:2017:DCF]


Schneider:2016:KCLa


Schneider:2016:KCLb


Strychalski:2015:PIB


REFERENCES


REFERENCES

Sousedik:2016:SGM

Sellier:2015:SPF

Stinchcombe:2016:EMS

Sommer:2015:CDC

Strobl:2016:ECO
REFERENCES


REFERENCES


[Shu16] Chi-Wang Shu. High order WENO and DG methods for time-dependent convection-dominated PDEs: a brief survey of several recent developments. *Journal of Computational Physics*, 316(??):598–613, July 1, 2016. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-
REFERENCES


**Subbareddy:2017:SCB**


**Schwarz:2015:TDS**


**Schwarz:2016:IBM**


**Smolarkiewicz:2017:FVM**


**Shiroto:2017:FVC**


[SL16b] Bruno Stupfel and Matthieu Lecouvez. One-way domain decomposition method with exact radiation condition and fast GMRES solver for the solution of Maxwell’s equations. *Journal of Computational Physics*, 322(??):882–904, October 1,
REFERENCES

Su:2016:EDP


Schroeder:2017:SDF


Slattery:2016:MFD


Shinde:2016:GFM


Shin:2016:FSO

REFERENCES


[SLZ+17] HongGuang Sun, Xiaoting Liu, Yong Zhang, Guofei Pang, and Rhiannon Garrard. A fast semi-discrete Kansa method to solve

**Shamasundar:2016:IAM**


**Siguenza:2016:VIT**


**Spellings:2017:GAD**


**Sabzikar:2015:TFC**

REFERENCES


[SMT+16] Swej Shah, Olav Moyner, Matei Tene, Knut-Andreas Lie, and Hadi Hajibeygi. The multiscale restriction smoothed basis method for fractured porous media (F-MsRSB). *Journal of
REFERENCES


Sato:2015:DML


Samaras:2015:URL


Safdari:2016:NBG


Starinshak:2015:SRA

REFERENCES


REFERENCES


REFERENCES


**Schmidmayer:2017:MNM**


**Spence:2015:GAO**


**Snedden:2015:NMS**


**Stoll:2016:FSO**


**Sandhu:2016:BIN**

[SPP+16a] Rimple Sandhu, Dominique Poirel, Chris Pettit, Mohammad Khalil, and Abhijit Sarkar. Bayesian inference of nonlinear un-


Samak:2017:PIL


Santilli:2015:SOM


Shao:2015:CDS


Saye:2016:MME


Sengupta:2016:NAB

REFERENCES


Shadid:2016:SFS


Safta:2015:HDC


Schmitt:2016:DMN


Stosic:2016:GAE


Sadovskii:2017:MWP


REFERENCES

Smolarkiewicz:2016:SAS


Singh:2015:TPI


Sainath:2016:FWA


Shamshirgar:2017:SEM


Schaefer:2017:SGA

Ido Schaefer, Hillel Tal-Ezer, and Ronnie Kosloff. Semi-global approach for propagation of the time-dependent Schrödinger equation for time-dependent and nonlinear problems. *Journal of Computational Physics*, 343(??):368–413, August 15,
Silva:2017:LHO
Goncalo Silva, Laurent Talon, and Irina Ginzburg. 
Low- and high-order accurate boundary conditions: From Stokes 
to Darcy porous flow modeled with standard and improved 
Brinkman lattice Boltzmann schemes. Journal of Com-
putational Physics, 335(??):50–83, April 15, 2017. CO-
DEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-
article/pii/S0021999117302887.

Sark:2017:EOP
Kanchan Sarkar, Mehmet Topsakal, N. A. W. Holzwarth, 
and Renata M. Wentzcovitch. 
Evolutionary optimization of 
PAW data-sets for accurate high pressure simulations. Journal of Computational Physics, 347(??):39–55, October 15, 2017. CO-
DEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-
article/pii/S0021999117304771.

Stiller:2016:RMH
Jörg Stiller. 
Robust multigrid for high-order discontinu-
ous Galerkin methods: a fast Poisson solver suitable for 
high-aspect ratio Cartesian grids. Journal of Computa-
tional Physics, 327(??):317–336, December 15, 2016. CO-
DEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-
article/pii/S0021999116304624.

Sato:2016:CDD
Norikazu Sato, Shintaro Takeuchi, Takeo Kajishima, Masahide 
Inagaki, and Nariaki Horinouchi. 
A consistent direct discretization scheme on Cartesian grids for convective and con-
jugate heat transfer. Journal of Computational Physics, 321 
(?):76–104, September 15, 2016. CODEN JCTPAH. ISSN 


[Stück:2015:AVF] Arthur Stück. An adjoint view on flux consistency and strong wall boundary conditions to the Navier–Stokes equations. *Jour-
REFERENCES


Stück:2017:DCS


Shi:2016:STC


Sibatov:2015:DTC


Subich:2015:RMM


Subramaniam:2017:TPI

REFERENCES

Svard:2015:WSC

Shi:2015:ABE

Shen:2016:CST

Schmidtmann:2017:HES

Song:2017:MGN
Schunert:2017:FND


Sonnendrucker:2015:SCV


Souopgui:2016:STA


Smith:2018:NIS


Shen:2015:RHO

REFERENCES


Sheng:2016:SMP


Schlanderer:2017:BDI


Shen:2015:CST


Su:2017:MED


Song:2015:SDS


REFERENCES

Simmons:2015:PNS

Simmons:2017:FVM

Sjogreen:2014:HOF

Sjogreen:2017:CHO

Shen:2015:EES
Shen:2016:RHT


Semenikhin:2015:AIA


Song:2015:SPP


Song:2017:MOS


Sun:2015:SGC

<table>
<thead>
<tr>
<th>Reference</th>
<th>Title</th>
<th>Authors</th>
<th>Journal</th>
<th>Volume</th>
<th>Pages</th>
<th>Date</th>
<th>URL</th>
</tr>
</thead>
</table>


REFERENCES


Emre Turkoz and Murat Celik. AETHER: a simulation platform for inductively coupled plasma. *Journal of Computational Physics*, 286(??):87–102, April 1, 2015. CO-
REFERENCES


[TCS16b] John A. Turner, Kevin Clarno, Matt Sieger, Roscoe Bartlett, Benjamin Collins, Roger Pawlowski, Rodney Schmidt, and

Taitano:2017:EPD


Taitano:2015:MME


Tavelli:2016:SST


Trehan:2016:TPQ


Treister:2016:FMA


Taneja:2018:FCD


Tierens:2016:HOH


Terashima:2012:ASG


Tauriello:2015:CSP

REFERENCES

Terashima:2015:CAS


Turinsky:2016:MSC


Tang:2015:MUI


Taitano:2015:CECb


Tschisgale:2017:NII

REFERENCES


Trisjono:2016:CHO


Tomin:2015:LGS


Tu:2017:ULP


Tavakoli:2015:HOP


Tillenius:2015:SRF

REFERENCES

Tao:2015:HOC

Tao:2016:HOC

Toulorge:2016:OGA

Thompson:2015:DWC

Toro:2015:ISA
REFERENCES

Turinsky:2017:SIC


Trask:2016:CML


Terekhov:2017:CCN


Townsend:2015:ASP


Tofighi:2015:ISP

REFERENCES


[Tartakovsky:2016:PFS]

[Topic:2016:SDB]

[Thirard:2017:WSM]

[Tricco:2016:CHD]

[Taverniers:2016:CTC]


REFERENCES


**Tang:2017:APM**


**Tene:2015:AAM**


**Ta:2015:IFM**


**Tian:2015:LDG**


**Tian:2016:ALD**

[TXKvdV16] Lulu Tian, Yan Xu, J. G. M. Kuerten, and J. J. W. van der Vegt. An $h$-adaptive local discontinuous Galerkin


REFERENCES


REFERENCES

496


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Veccharynski:2015:PPC


Waclawczyk:2015:CSR


Walker:2016:SOS


Wang:2016:SEA


Weiner:2017:ASS

Andre Weiner and Dieter Bothe. Advanced subgrid-scale modeling for convection-dominated species transport at fluid interfaces with application to mass transfer from rising bubbles. Journal of Computational Physics, 347(?):261–289, October 15, 2017. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716


REFERENCES


Wang:2017:IBM


Wilkening:2015:ASN


Wang:2015:SI


Wrobel:2016:RIS


Wackers:2017:CAG

Jeroen Wackers, Ganbo Deng, Emmanuel Guilmineau, Alban Leroyer, Patrick Queutey, Michel Visonneau, Alexandre Palmieri, and Alfredo Liverani. Can adaptive grid refinement produce grid-independent solutions for incompressible flows?

Winters:2017:UDE


Wang:2015:PAM


Wang:2015:SCD


Webb:2014:SIM


<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Title</th>
<th>Journal Name</th>
<th>Volume, Issue, Year</th>
<th>Pages</th>
<th>URL</th>
</tr>
</thead>
</table>


J. A. Welch, J. Kópházi, A. R. Owens, and M. D. Eaton. A geometry preserving, conservative, mesh-to-mesh isogeometric in-


REFERENCES


Wiens:2015:EPI


Woods:2015:VFD


Weatheritt:2016:NEA


Wu:2017:USG


Weyens:2017:PNC

Wang:2015:MLB


Wang:2016:ACA


Watanabe:2015:LPM


Wei:2016:EHO


Wang:2017:FRS

REFERENCES


[Wu:2015:HOA]


[Wu:2016:FIA]


[Wang:2016:SGD]


[Williams:2017:EPW]


[White:2017:IDM]


Wintermeyer:2017:ESN


Waluga:2016:MCC


Weinmuller:2017:PAS


Wu:2017:MAC


Wang:2015:SOM

Wang:2016:APS


Wan:2017:DSC


Wu:2017:EMP


Wu:2017:MPM


Wang:2017:UGK


REFERENCES


Xiao:2017:WBU


Xie:2017:HPD


Xiao:2017:FCP


Xu:2015:PMT


Xia:2015:FDS

Xie:2015:AMR


Xie:2016:NMP


Xiong:2015:HOA


Xu:2016:NCC


Xie:2017:EMM


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Yang:2017:SDA


Yi:2017:VDF


Yu:2016:FMV


Yao:2015:NIT


Yang:2015:NID


Yang:2017:HSM

Yamazaki:2017:VSM


Yang:2015:TDE


Yang:2016:DDG


Yang:2016:NSF


REFERENCES


REFERENCES


Zheng:2016:AEA


Zhang:2016:QRF


Zhen:2015:AEC


Zhang:2016:CBT


Zhang:2017:WCS


REFERENCES

Zhang:2015:FDM


Zayernouri:2016:FAB


Zheng:2016:MCB


Zandi:2015:SAA


Zwanenburg:2016:EBE

REFERENCES

Zepeda-Nunez:2016:MPT


Zhou:2015:WDL


Zohdi:2017:CME


Zahr:2016:AMH


Zimon:2016:ENR

REFERENCES

Zheng:2016:DSH


Zhu:2016:NFO


Zhu:2017:NTO


Zhou:2015:LBS


Ziegelwanger:2017:PMM


Zimon:2016:NCN

REFERENCES


REFERENCES

Zhang:2017:VCP

Zhao:2017:VBC

Zhao:2017:RKD

Zhang:2016:CBR

Zhao:2015:FNC
Jing Zhao, Edwin A. H. Vollebregt, and Cornelis W. Oosterlee. A fast nonlinear conjugate gradient based method for 3D concentrated frictional contact problems. *Journal of
REFERENCES


**Zhang:2015:SNC**


**Zhang:2016:PFM**


**Zhu:2018:SDI**


**Zhu:2017:PEG**


**Zimmerling:2016:LMO**

REFERENCES


[ZYSW16] Jia Zhao, Xiaofeng Yang, Jie Shen, and Qi Wang. A decoupled energy stable scheme for a hydrodynamic phase-field model of
REFERENCES


