Title word cross-reference

(2 + 1) [PS17]. \((d^2/dx^2 - h^2)\) [Kas15]. \((S_N)\) [OWKE16]. 0 [TCS16a]. 1 [ALTR17, BK17c, CGMH18, CSK+16, JKE+17, Nor15, VLP+16, XQ17, YC17, ZGJ16]. 13 [SGP17b]. 2 [BK17c, BT16, BC16c, CGK17, CZ17, CSK+16, FNGV18, FNGDMNR18, GFL17, GHL+16, Hu17, IG15, LMPS15, LM15a, LGB17, LZW+15, LY16a, LGD17, PG17, PKJ+18, PMGW16, QDH15, RLP16, SCS16, TCS16a, WY17, XDSX17, ZND16, ZJ18, ZZW+16]. 3 [AG16, ACS16, BHZ16, BGV17, BDK+17, BS15a, BS16, BC16c, CSS17, CDL17, CWC16, CZ16, CX16, CSK+16, DB+17, DS15a, DWG16, DF16, Dod17, DD16b, FDS+15, FGL16, GBM16, GWC18, HWH+16, JBO15, KE15, KC17c, KFWK17, LFRH17, LML+16, LHMB16, LZ17a, MKYZ17, MG15b, MC15, MF16a, MW17b, Noe15, PGCG18, PK17, PR16a, SNSG16, SFT16, SA15, Sto16, SSL+16b, TCD17, TRL15, TCL15, VLP+16, WXW15, WSH+17, YCS16, YTW15, YXD+16, YPK16, ZZZ17, ZHS18, ZVO15, ZYCK15, dBIM16, dJRP+15]. 4 [MCHL16]. \(\beta\) [CS16a, OLHD17]. \(C\) [KD17b]. \(C^1\) [KS16a]. \(\delta f\) [SP16c, SPCH16]. \(\ell_1\) [JES15].
f [Ido16, KYPK15]. h [BCB17, JKE+17, TXKvdV16]. hp
[HEPG15, HZ15, MSP15]. K
[ZZT+16, HY16, KL16, KFL17, LZF+17, PBC+17]. l [LT17c]. L^2 [FSB16].
l [PHD16]. LU [RTV17], R [diHC16], H [CDC17], µ(I) [FNGDMNR18], N
[Don15b, Don17, PF15]. n^th [FYZ+15], O(N) [CV16b, XL17b]. ω [LZF+17].
p [FSWW17, HZ15, SS17b, TABR17]. P_N [Her16, LMH16, ZM16b].
P_n − P_{n−1} [Mel18]. P_N [HE15]. r [BRW15, DTA+15, VW16].
P_n [FSWW17, HZ15, SS17b, TABR17]. P_N [Her16, LMH16, ZM16b].
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
[DFZ18, DCA+16, DJV+18, WQRS17]. accelerate [BT17a, PKW17].
Accelerated [CMR+16, AC17, CWM+16, CRZ17, GKE15, HPY18, JTD16,
RGW16, SMAG17, VW17, WL16]. Accelerating [Gen15, SLR+16, XZZ15].
Acceleration [BPF+16, HLQ16, SAOW17, WB16, AJW17, BBBBB15,
CLGA17, DMAM15, Fon16, PSP16, SWG+16, YXG+16, MAM16].
accelerator [TC15a, TKC15]. acceptance [PDS15]. account
[LYDB17, SSL+16a]. accounting [Noe15]. accumulation [HMBH15].
Accuracy
[CNG99, CSB15, GDS+16, GR15, Nis15, NL17, Pei16, BK17a, CBB16, CNG17,
COdLL18, CSK+16, DBZ17, Fal17, FFBB16, FYO+15, GH17a, GO16, KDF15,
KGS17, LS16a, MA16, MSH\textsuperscript{+}15, OMLdL16, SM16, Sla16, TLR16, WZ15.

**Accuracy-preserving** [Nis15, NL17]. **Accurate** [CCZC16, CLvS17, EMZ16, GLMC16, HM16b, IM15, RCRF16, WCL15, AD15, AASRT17, ANL\textsuperscript{+}16, BZ16a, BXY17, BOA17, Bat17, BST15, BDZ15, CKT17, CM18a, CYS17, CD17, CG16, CLMZ17, DS15b, DVP\textsuperscript{+}16, DY17, DL18, DL16, DwWZ18, GPS17a, GPS17b, JL16, KTN15, ILLNS16, LY16c, LDHJ15, MA17, MBHS17, MPFL16, OLDN17, OS15a, OT15, OV17, PXL16, PLB18, PMB18, RT16, RSD17, STHW17, Say17a, Say17b, STG17, SCS16, TST\textsuperscript{+}15, WR15, WT15, XX17, Yan17, ZMF15, ZL15b, ZGD\textsuperscript{+}16].

**Accuracy-preserving** [Nis15, NL17]. **Accurate** [CCZC16, CLvS17, EMZ16, GLMC16, HM16b, IM15, RCRF16, WCL15, AD15, AASRT17, ANL\textsuperscript{+}16, BZ16a, BXY17, BOA17, Bat17, BST15, BDZ15, CKT17, CM18a, CYS17, CD17, CG16, CLMZ17, DS15b, DVP\textsuperscript{+}16, DY17, DL18, DL16, DwWZ18, GPS17a, GPS17b, JL16, KTN15, ILLNS16, LY16c, LDHJ15, MA17, MBHS17, MPFL16, OLDN17, OS15a, OT15, OV17, PXL16, PLB18, PMB18, RT16, RSD17, STHW17, Say17a, Say17b, STG17, SCS16, TST\textsuperscript{+}15, WR15, WT15, XX17, Yan17, ZMF15, ZL15b, ZGD\textsuperscript{+}16].

**Achieving** [MN16c]. **Acoustic** [AN15, APKP16, BLS16, CCZ15, CLQ17, DBD\textsuperscript{+}17, GHH\textsuperscript{+}16, HLL\textsuperscript{+}16, IML15, KZR15, LB16, LMM17, MBJ16, MBNJ16, MKYZ17, MSS16, PGM17, RZ17, RRD16, SZW\textsuperscript{+}16, TP17, VAD17, ZGD\textsuperscript{+}16, bWAW15, dFGS\textsuperscript{+}17, tEDKT17].

**Acoustic-convective** [tEDKT17]. **Acoustic-transport** [PGM17]. **Acoustics** [SK15a, ZR17].

**Action** [WY17]. **Activation** [VLP\textsuperscript{+}16]. **Active** [CELI15, DCP15, DKPC15, KBG\textsuperscript{+}15, RBJS15]. **Actuated** [BBMN18]. **Adams** [ZM16a]. **Adaptation** [KRFV16, BOA17, BD16, DLK17, FBG15, GCCMK15, GSN17, HK15b, KLA17, SW15, TST17, TVB\textsuperscript{+}16, TG17, WBB16]. **Adapted** [BWR15, DBMB15, Rag15, RHvR\textsuperscript{+}15, SL17]. **Adapting** [BHdD18]. **Adaptive** [ABP\textsuperscript{+}16, BV15, BDM17, BS15b, CEH16, FPASS16, GBvZB16, HEPG15, HX15, LW17a, LH17b, LN15, MG17, MBKB17, PS16, PR17b, QB16, RKO\textsuperscript{+}17b, SS15a, SL18, TCA16, THW15, VN15, ZAK15, ZLH\textsuperscript{+}17, ZHI15, AMS17, AWS16, AC17, BGS16, BHL15, BST15, BRW15, CPV16, CCI17a, CQ15, CS16c, CTG16, CYWL17, DS16, DMS17, DS15d, EL17, FOF15, FGLW18, FBM16, FLHA17, FC16, GB15a, GTG15, HS17b, HIN\textsuperscript{+}16, HHL17, HY16, HY17, Hu17, HXX18, HW16c, HC18, IGG15, JW15a, KCW17, KG15, KPDK15, LS16a, LL15, LZW\textsuperscript{+}17, LZT17, MBSS15, MNG15a, MMS15, MGBG16, MW17b, MSB\textsuperscript{+}16, MM16d, NVBV15, Pop15, PVNB17, QLF16, RDG17, RDM15, RS15b, SRBO17, SwS16, SWHV16, SC16, TCS16a, TXKvV16, TL15, TABR17, URL16, WDG\textsuperscript{+}17, WDS15, WBM15a, dlAC17, BDV17, CodLL18, WSJY16].

**Adaptive-Mesh-Refinement** [SL18]. **Adaptively** [TR17]. **Adaptivity** [APP\textsuperscript{+}16, BHZ16, GBD\textsuperscript{+}15, JKE\textsuperscript{+}17, OKWE17, WKO17]. **Added** [BHKS16]. **Added-mass** [BHKS16]. **Additive** [ADE\textsuperscript{+}17, CHZ16]. **Address** [AM17b]. **Addressed** [CSCM16]. **ADER** [BK16a, BLD15, BTVC16, CMT\textsuperscript{+}16, DPRZ16, DPRZ17, Jac17b, J17, NMM15, NMM16, Nor15]. **ADER-type** [BTVC16]. **Adhesive** [FRL15]. **ADI** [BC16c, FB15].

**Adiabatic** [BLVC16]. **Adjacent** [GMP16]. **Adjoint** [AMJ17, Blo17, SW15, Cac15a, Cac15b, HL15a, JW15a, KPKG15, LYPP17, Loz17, MMMS15, SSC\textsuperscript{+}16, Stii15, VBF15, XRMM15, ZP16]. **Adjoint-based** [AMJ17, SW15, JW15a, Loz17, MMMS15, SSC\textsuperscript{+}16]. **Adjoints** [Fid17]. **Adjustment** [APT17, OSP17]. **ADM** [CvKH16, Ani16]. **ADM** [Ani16]. **Admissibility** [BT16]. **Adsorption** [ZQCT15]. **Advanced**
advancing [AW16, CCdL15, ZJ18]. advected [HM17]. advecting [PR16b].

advecting [HM17]. advective [AJVH17, BHdD18]. advective-dissive [AJVH17].
advection [AAL15, APP+16, BFT17, BTVC16, CSH15, EHXMI5, GS15a, IM17b, JZ16, LN17, LLP+16, LE16, LPB17, LZ17b, MK15, MN16a, MSP16, MN16c, NL18, PCF15, PPCK17, QDRB15, SP15b, TSH17, TAR17, YWHP15, ZJL16].
advection-diission [BFT17, GS15a, LE16, LZ17b, MK15, MN16a, MSP16, NL18, TSH17].
advection-diission-reaction [BTVC16, JZ16].
advection-dispersion [PCF15, PPCK17].
advection [AAL15, APP+16, BFT17, BTVC16, CSH15, EHXM15, GS15a, IM17b, JZ16, LN17, LLP+16, LE16, LPB17, LZ17b, MK15, MN16a, MSP16, MN16c, NL18, PCF15, PPCK17, QDRB15, SP15b, TSH17, TAR17, YWHP15, ZJL16].
advection [AAL15, APP+16, BFT17, BTVC16, CSH15, EHXM15, GS15a, IM17b, JZ16, LN17, LLP+16, LE16, LPB17, LZ17b, MK15, MN16a, MSP16, MN16c, NL18, PCF15, PPCK17, QDRB15, SP15b, TSH17, TAR17, YWHP15, ZJL16].
UWH17, YCBC15, AMJ17, AA15, ACJ17, ADP+17, BK17b, BHST17a, BM16, Blo17, BW18, BGM16, BTVC16, Cac15a, Cac15b, CKK18, CW16, CNW17, CNOS15, CC17c, CSL15, CWYS16, DvV18, DMSC16, GB15b, HD15, HW16b, JPLL15, KS16a, KmdB16, KSV+15, KFL17, KD17b, Kri17, Lap16, LT15, L DL+16, Lia16, DV17, LBB+17, MBJ16, MBNJ16, Mel18, MHGM+15, MDDM17, MTL+17, MF16b, MSP15, MSP16, NW17, NF17, OWKE16, PXXZ15, Par17, Pei16, PS16, 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, DH18, EAA15, FKF17, LC18, LC17a, MD15, MTD15, TM15b].

analytical-stochastic [DH18]. analytically [RRM+16]. analyze [UG16].


Application [APP+16, AS17, AP16, Bal15, CC17a, CGM15, EG17, GPS17b, GCVCH18, HHC15, KSV+15, LS16, MM16, MG15b, MB15, NOM+17, NMM15, OS16, SRB17, SZ15a, Si15b, Si17, TCD17, Tav16, VALT16, Zau16, ASB+15, AJW17, BC15, DL17, DAO17, DS15d, FBL17, FPT17, GWC17, HKH+16, HTMP17, ISSG15, KG15, KFW17, Liu16, LEB+17, MRA16, MKYZ17, MP16, MSP15, NMM16, Rxs16, SDMS17, SWS17, SW17b, TD16b, Vog17, WY17, WSS+15, WB17, WKSS15, YXF+17, YR15, Yas17, ZM16a, BD15b, HTBG15, NMM17].

Applications [Chu17, KKL15, KHP15, MM16c, NF15, PQ17, TBG16, TCS+16b, ACCDA16, ALKZ16, AAD16, AdSS+15, CCK+17, CB1+16, DD17, DCL15, DDV+15, DY17, DZC16, FK17, GBR15, GFO18, HWH+16, pHSC15, J15, Jou15, KADE15, KADE17, LB17, MWD16, MW16b, MS17, NLFM16, Ram17, RG15, Say17a, Say17b, SA15, Spe15, SCLG15, TP17, TMH18, YNW17, YL16, ZSK15, ZPE+16].

applied [BC16a, DCP15, DZ16, DGL+15, GBD+15, HR18, JdR+18, LML+16, NRZ17, PBA+15, PA15, SWPS17, WS16, ZCH15, dFV15].

Approach [TK12, TK15b, ADFG17, AMJ17, AS17, AR16b, AM+15, AM17b, BVM+17a, BB17, BSM16, CE18, CNOS15, CJL16, CFP17, CN16, CGJ16, DvB17, EO15, EZG16, Eva18, EE16, FG16, FKR16, FFJT16, G18, GLS15]
GWE+15, GPG17, HB16, JH17, KD17a, KKS15, KM16b, KP15b, KL15, KW16, KV16, LSWF16, LZ15a, LO16, LMSK17, MVD15, MR+15, MN16a, MN16b, MD15, MWB+15b, NJB17, OS16, OB17, PMS15, PHO+16, PHRA16, PE15, RFSN15, RT16, RO16, RS16a, Ric15, RSD17, STEK17, SKS17, SZ15a, SXY18, SLB+16, SDA17, SWHV16, SMOM+17, SP15b, SV17, SIX16, Tav15, TT17b, TAJ+17, TABR17, Vos17, WLL16, WT16, XYPT16, XWW+16, YS18, YL16, ZL15b, ZCL17, dJR+15, tEDKT17.

approaches [LL17, CFG16, CPSF17, MMPS15, YGEM17].
Approximate [EAAM15, KKLS17, MKYZ17, PP18, Ama15, AB17, BSWG15, CLY+15, LJT+15, MM16a, WHL17, WSN+15, WLK+16, XM18].
approximated [LDGH16].
Approximating [CFO18].
approximation-based [LLY15].
approximations [AEL+17, BGN15, BFFB17, CLC16, CMW16, DY17, FPV18, GMS16, Hi15, JW15a, Kay15, KS15a, KS16b, LLS15, LN15, LHA15a, MN04, MN17, MSP16, PUA+15, WG15, WF17, YZ17, YY17, ZGJ16, ZsSK15].
APR [CoLL18].
Arakawa [SLN15].
Arakawa-like [SLN15].
Arbitrary [BW17d, GLS15, GB15, LBTK18, LIW18, OLV16, TCS16a, TSN16, WX18].
Arbitrary [BMR+16, BLT15, BD17, CNG99, WW15, ADGN17, AF16, BS15b, CNG17, CJL16, CYL+16, CE17, CCGH17, DL15, DY16, DF16, GWC18, GTG15, GL17, HL16a, JH17, KTN15, LL16b, LTR16, LK16a, LHW+17, LYP17, MN15, MW16b, MTK17, MWB+15b, NSB15, OLD+16, OKE15, Rag15, SWMD17a, SWMD17b, Spe15, SGT16, SGT17, TCS17, TKF17, WHL17, XX16, XX17, ZSW17, dTP16, ABM16].
Arbitrary-Lagrangian [BLT15, BD17].
Arbitrary-order [CCGH17, JH17].
ar [Par15].
ar-like [Par15].
Architect [MAM16].
architecture [TCS+16b].
architectures [AAB+16, RGPS17, RHVR+15, ZAK15].
area [JB15].
Aris [GR15].
Aris-like [KBK15, HLT18, ILNS17, PGH15].
arrays [LB16, SFDE15].
Arrow [DFM17].
Arrow-Hurwicz [DFM17].
arterial [DHC16].
arteries [GDFL17, GFL17, YPK16].
artery [BFI+16].
Artificial [Rod17, WBM+15b, CJD+17, DRM15, FRV16, HIN+16, HP17, Str17, YM17c, FBC+16].
ASAM [Cac15a, Cac15b].
aspect [Sti16].
aspects [PM16, TC15a, TWC15].
asphaltenes [ELH+16].
Assessment [XWL+16, HBC+16].
asimilation [ADP+17, LDS+15, GS15c, GM16, KYU15, MP17, MCGS16, NP16, RS16a, RVM17, SD17, SWHV16, SSN15, YNW17].
associated [AAPB17, OvdHVH16].
avaphysics [KFP+17, Teu16].
Asymptotic [BLMY17, CCK18, CwY16, DD17b, DM17B15, JXZ15, MC15, SSM15, BLS16, BT16, CX15, CDN17, CDV17, HW15b, JLQ15, JL17c, JS17, LP17a, SJX15, SXL15, TW17, YW16, XQL15, ZJ16, DDD17].
Asymptotic-Preserving
[DD17b, JXZ15, BT16, CDN17, HW15b, JL17c, JS17, WY16, DDD17].
Asymptotically [NMM16]. Asymptotics [LLS15]. Asynchronous
[LPBR15, SGL17, AM17a]. asynchrony [AD17]. asynchrony-tolerant
[AD17]. atmospheric [AZ16, CGSS18, FL16, KMS18, KG15, KS17, Mel18,
MM16c, SZY16, SWMD17a, SWMD17b, SDH16, SXX16, SKG17, SZS15,
TLLF15, ZCHS15, ZA15a]. Atom [LLEK17]. Atom-partitioned [LLEK17].
atomic [TY17]. atomically [FGLB16]. atomically/kinetically [FGLB16].
avoiding [NMM16, XLY15, NMM15, Vog17]. AUSMD [Niu16]. auto
[ZKS15]. auto-covariance [ZKS15]. automated [LBB17, TST15].
avoiding [NWK16, Wal16]. avoids [SYM15]. aware [DS15a, DS15b, LRZ17].
axi [RZ17]. axi-symmetric [RZ17]. axial [ZCL17]. Axisymmetric
[NOM17, FH17, HR17, LB16, LWB16, Xie15, ZCHS15, TBLJ15].
avoiding [NWKC16, Wal16]. avoids [SYM15]. aware [DS15a, DS15b, LRZ17].
axi [RZ17]. axi-symmetric [RZ17]. axial [ZCL17]. Axisymmetric
[NOM17, FH17, HR17, LB16, LWB16, Xie15, ZCHS15, TBLJ15].
avoiding [NWKC16, Wal16]. avoids [SYM15]. aware [DS15a, DS15b, LRZ17].
axi [RZ17]. axi-symmetric [RZ17]. axial [ZCL17]. Axisymmetric
[NOM17, FH17, HR17, LB16, LWB16, Xie15, ZCHS15, TBLJ15].
avoiding [NWKC16, Wal16]. avoids [SYM15]. aware [DS15a, DS15b, LRZ17].
axi [RZ17]. axi-symmetric [RZ17]. axial [ZCL17]. Axisymmetric
[NOM17, FH17, HR17, LB16, LWB16, Xie15, ZCHS15, TBLJ15].
avoiding [NWKC16, Wal16]. avoids [SYM15]. aware [DS15a, DS15b, LRZ17].
axi [RZ17]. axi-symmetric [RZ17]. axial [ZCL17]. Axisymmetric
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avoiding [NWKC16, Wal16]. avoids [SYM15]. aware [DS15a, DS15b, LRZ17].
axi [RZ17]. axi-symmetric [RZ17]. axial [ZCL17]. Axisymmetric
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avoiding [NWKC16, Wal16]. avoids [SYM15]. aware [DS15a, DS15b, LRZ17].
axi [RZ17]. axi-symmetric [RZ17]. axial [ZCL17]. Axisymmetric
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avoiding [NWKC16, Wal16]. avoids [SYM15]. aware [DS15a, DS15b, LRZ17].
axi [RZ17]. axi-symmetric [RZ17]. axial [ZCL17]. Axisymmetric
[NOM17, FH17, HR17, LB16, LWB16, Xie15, ZCHS15, TBLJ15].
avoiding [NWKC16, Wal16]. avoids [SYM15]. aware [DS15a, DS15b, LRZ17].
axi [RZ17]. axi-symmetric [RZ17]. axial [ZCL17]. Axisymmetric
[NOM17, FH17, HR17, LB16, LWB16, Xie15, ZCHS15, TBLJ15].
biomechanics [FK17]. biomembranes [LSMS17]. biomolecular [FHS17].
bimolecule [YX15]. biomolecules [XJ16]. biopolymer [MMW15].
bioriental [ZFPB16]. biperiodic [LWZ16]. bipolar [HB15a]. Birkhoff
[JW16, LIW18]. Birkhoffian [SL16c]. BKZ [TBO+16]. black
[HS17b, WLC15]. blast [CSV15]. blasting [XYF+17]. blended [SS16c].
blends [Yan16b]. Bloch [BTWY15, WH16b, ZBZT17]. Bloch-Torrey
[BTWY15]. Block [LWL17, AAD16, AA15, BST15, CTH16, DFGQ16,
FGLW18, FLHA17, KNS15, LL16b, MSD+17, PLWJ16]. block-adaptive
[BST15, CTG16]. Block-diagonalization [LWL17]. block-structured
[FGLW18, FLHA17]. blocking [LH15]. blocky [SSL17].
blow [APR+15, BB17, GZM+17, GDFL17, GFL17, MB15, MLB16, ZZZB15]. blow
[GY15]. blow-up [GY15]. Board [Ano18e, Ano18f, Ano18g]. bodies
[BHST17a, BHST17b, CGR17, LTB16a, LC17a, MM16d, NJPB17, PR16a,
QY15, RW15a, SGM16, SGSM16, TOR+15, dTP16]. body
[ABT17, BOA17, LC15, PLWJ16, SAY17a, SAY17b, SD15, STKH15, TRM16,
WG16a, WE15, YXF+16, YDCK16, ZJ18]. body-ﬁtted [BOA17, ZJ18].
body-force [WG16a]. body-forces [YDCK16]. Bohm [MP15b]. boiling
[JS16, SN15, VALT16]. Boltzmann
[GBCF16, GSS15b, AS16, APT17, AJVH17, BP18, BWR15, BTVB15,
BAR15, CT15, CVG18, CLM15, CSB15, CYWL17, DLNR18, DCBK15,
Eva18, FLG16, FB17, FBL17, FKF17, GPS17a, GPS17b, GR15, GBCF15,
GW16, HK15a, HLML17, HW15b, HLI15, HJJ16, HY15, HY15, HW15c,
HHY16, HW16c, HW16b, HW18, Hwa16, JSY15, KGT15, KP15a, KL15,
KS15b, KS16d, LMP15, LFDP16, LL16b, Li17, LDWZ15, LWB+16,
LXSC16, LMI15d, MG17, MK15, MHGM+15, MKV+17, N16a, Ols15,
PL16b, PGMW16, PF16, RS15a, RTO15, STW16, Shi17, STG17, TS17,
WSY15, WST15, WY16, WGM17, WZ15, WZ+17, Xie15, XJ16,
YFKS15, YYY+16, YCY16, ZJ16, ZYW16, ZY17, ZQCT15, ZGW17].
Boltzmann-BGK [Eva18, HY15]. Boltzmann/Finite [GSS15b]. Bond
[TRM16]. bookkeeping [HB15b]. boosted [YXD+16]. Boris
[EBQ15, WSR15]. Born [OLV16]. Bose [ALT17]. bottleneck [OZ17].
bounce [Ols15]. bounce-back [Ols15]. bouncing [SGP17b]. Bound
[EHXM15, QSY16]. Bound-preserving [EHXM15, QSY16]. boundaries
[AB17, BLS16, FB17, GSN16, JSY15, LH16, LSL16, MAK15, RA18, YMI17b,
YT15]. Boundary [BCD+15, BCO+15, BDG+17, BAR15, DDK15, GZ17,
GBS15, HY15, KZ15, Pan15, PF16, RVZ15, SGT17, TSN16, TBL15,
WSY16, AR16a, ABN15, AB16a, AMS17, AB18, AMP16, ACS16, AR16b,
BBK16, BKP16, BXY17, BNM15, BBF+17, BDB18, BNS17, BPTA16,
BG16a, BHF15, Bre17, CDL17, Cha16, CYWL17, DDJ18, DGHP17, DSH+16,
DOD17, Don15a, DS15c, Don17, FR18, Fal15, FH17, FG16, FPDT17, FN17,
GP17, GGT15, GLMC16, GC17, GVTQ16, HL15a, HP17, HR17, HKH+16,
HLY15, HLSY16, HY15, HY15, Hue15, IK15, JSP16, JLL17a, JWB15,
JSY15, KDF15, KLSF15, KADE15, KHHN16, LTB16a, LC15, LLEK17,
LXC+15, LFDP16, LBZA16, LCK16, LIZ17b, LC17b, LD15, LHW+17,
[BC16b, Gho17, Mac16, AR16a, BP18, BTA17, CSS15, Cha16, CL17, CG15, CHE+17, Cos16, DPW+15, DG16c, EAR15, EN17, FDKI17, GB15b, GMS16, Gen11, GDS+16, GAJ15, GBU15, Hig17, HC17, HMRG16, ION+17, KM17, KMS+18, KL16, KC17b, KK17b, LS15a, LBTMG16, LYCC17, LB17, LXL17, MNO+17, MZTS16, MSS16, PJE+16, PUA+15, PDS15, RKH15, SY17, TSR15, WBC+16, WL16, XZZ15, XR17, YC15, Yas17, ZLJ16, Zil15, vdKK16].
carrier [vdKK16]. carriers [SU15].
cartesian [FGLW18, ACS16, Cai16, CXL16, DDJ18, DM16, GP17, HS17b, LPW15, LGB17, MM16d, QDRB15, QLF16, RBI18, STK+16, SLY16, Sti16, dBIM16].
cascade [SFT16]. cascades [FBL17]. cascadic [PHHR17].
case [BHZ16, FNGV18, VSM16a, VSM16b, WLE17, ZR17].
CASL [TK16].
Cauchy [LY16a, MST15, PZF16].
cavitating [ESHA16].
cavitation [OPHA15, PS14, PS15a].
cavities [HK16b, LGO17, PLL15b, UWH17].
cavity [EN17, GKE15].
CCCH [BMCK15].
CCS [SFT16]. CCS-RG [SFT16].
CE [WMS18].
CE/SE [WMS18].
Cell [CLMZ17, DFS16, LAL18, TMT17, AR16b, BTGM17, BGT18, Bat17, BMRA+15, BDZ15, BRC+17, Bra16a, BMCK15, CHJT17, CGP16, DM16, DJV+18, DL15, DL16, FGLW18, FLW16, FS17b, GBM16, GFA+16, GH17b, GPG17, HWH+16, HXL15, JST17, KHTZ16, KB17, Lap17, LPW15, LY15b, LSD+17, LS15a, MM16, MHZ+15, MM16d, NRZS17, PXR17, PE16a, PHO+16, PM15, SGMS16, SSM15, SCLG15, SPC16, dCPDC+17, TM15a, VSM16a, VSM16b, WCC16, YXD+16, ZXL17, DDD17, MNO+17, MZ+17].
cell-based [KBF17].
Cell-centered [LAL18, TMT17, BDZ15, BMCK15, CHJT17, CGP16, DL15, FGLW18, FLW16, GBM16, LY15b, LS15a, MM16a, VSM16b, ZXDL17].
cell-centred [Bat17]. cells [DF16, HXLL15, HGR16, XL16]. cellular [BB17, DMS17].
cellular-scale [BB17]. Cellwise [CSH15]. centered [BDZ15, BMCK15, CHJT17, CGP16, DL15, FGLW18, FLW16, GBM16, HK15, LAL18, LY15b, LS15a, MB15a, MB15b, TB17, VSM16a, VSM16b, ZSW17, ZXDL17]. central [IDSG15, LN15, LZS15, LMK15, TLQ15, TLQ16, TK12, TK15b, XL16].
CESE [YFJ17]. CFD [EH15, XS15, AddS+15, BLG+16, EH14, LK17a, LK17b, MS16b, MMS15, MH18, VLP15, YCP15].
CFD-DEM [BLG+16].
CGR [BMCK15].
chain [KBK15a]. chains [MWD16].
channel [BKG15, DG16c, KCS+17, KP15c, KFWK17, SHLG15, ZV16]. channels [WBM+15b, ZMF15].
Chaos [ABM16, ARG+17, GGW17, HD15, JES15, KSV+15, KSW16, LMCT15, OB17, PH16, SS17b, SG17, TG17].
chaotic [Blo17, BW18, CNW17, Lia16, NW17].
Characteristic [HTZG17, NF17, FL16, HP17, Hue15, JYS15, LLP+16, SWZ15, SW16, WGME17].
Characteristic-based [HTZG17]. Characteristics
[FSK+16, APR+15, BR15b, BR16, HL16b, LM15b, WPB15, ZCL17, ZWG17].
Characteristics-based [FSK+16]. characterization
[AABD15, AAPB17, DKTH15, SNB+15]. Charge
[TC15a, TKC15, AP16, GZ17, MXL16, NOM+17, RMC15, SU15, vdKK16].
Charge-and-energy [TC15a, TKC15]. charge-conservative [NOM+17].
charged [CFPB17, HSLQ15, HSLQ16, Tao16]. Charney [HK15a].
Chebyshev [Fal17, HB15a, JB15, Kas15, KKJB16, LB15, MJ17, Moo17,
O’S15b, PBKK17, PAK+16, VK16]. Chebyshev-like [Fal17, LB15].
chemical [BHdD18, BWR15, DEZ16, EEG+15, FRW16, MTK+16, SPB17,
VBG+17a, WHCN17]. chemistry [MA16, PD15, SY16, SXBB15].
chemotaxis [MMNI16, Yas17, ZM16a]. Cherenkov [NT16].
choice [FYZ+15]. choices [KBF17]. chosen [DJD+17]. CIP [FYO+15]. circuit
[SDFA17]. circular [SHW17]. class [BGS16, BDB18, DLS15, EE16, GSS15a,
LM15a, LZZS15, MD17, MW15, NPC15, O’S15b, RBL16, SSO+15, ZS17].
classical [LYA16, Spe15, TSR15]. classification [ACC+15]. cleaning
[FMF15, TPB16, YJ17]. cloak [Chu17]. cloaks [WHL17]. close [CKK18].
Closest [Vog17, KR17, PR16c]. closure [GHH15, MKC17]. closures
[AS15, BRE17, SCH16a, SCH16b, ZM16b]. cloud [SKG17, WSJ16].
cloud-resolving [SKG17]. Cluster [TAJ+17, AZK16, HMBH15, KMD+18].
clustering [FS16]. clusters [BEJ15]. CMFD [JPLL15, KL16]. co
[Kla15, GMS16]. co-located [Kla15]. coagulation
[KK17b, LPWK15, MZTS16, XZZ15]. coalescence [FBL17]. Coanda
[FQR17]. Coarray [GBR15]. Coarse [KGT15, dICGCA17, CSMC16, FOF15,
HKP16, KKP15, KCW17, KC17c, LKN17, MVKD15, SZK17]. Coarse-
[KGT15]. coarse-grained [FOF15, HKKP16, KKP15]. Coarse-graining
[dICGCA17, MVKD15, SZK17]. coarsening [DD16a]. coastal [CK16a].
code [DTA+15, EKV+16, GFA+16, HRJ+16, HED+16, HDH+16, JdR+18,
KFF+17, KYPK15, MAM16, MNO+17, MSD+17, MHZ+15, PJE+16,
TBC+16, WLM15, WSH+17, XWL+16, YXX+16, GFA+16]. codes
[GDS+16, JH15, LSWF16, MH18, PMF15, PD15, RTG15, TSN16, WS15b].
coefficient [DCA+16, KBK15b, LMMS16, NKN+17, RBI18, WZ15, WW17].
coefficients [BSWG15, Cui15, DJV+18, DCCC16, DKTH15, ED16, HHLY17,
KC17, MS16a, MNR17, MH18, OZ17, RL18, TST17]. coherent
[FBG15, NJ15]. cold [BJK17]. ColDICe [SC16]. Cole [LP17a]. collapse
[LEB+17]. Collective [DG16c]. Collision [Mac16, MNO+17, AWS16,
BVM17b, BTVB15, CT15, HYK+16, JdR+18, RSSSE18, RKH15, YSWW16].
Collisional [TKC15, CBB16, LL+16, ZG17]. Collisionless
[TC15a, HK15a, KHTZA16]. collisions
[HMGR16, LYCC17, Mac16, SWHK15, TSR15, YC15]. Collocated
[DP1016, Bra16b, TLH15, WWR16]. Collocation
[BDV17, RTV17, BA15, EDC16, FBF15, JWH16, JTD16, Kas15, LWL17,
LZT17, NVBDV15, PBKK17, PGH15, SG16, SMLB15, SP15b, Sub15,
WW17, YC17, ZK15, ZZW+16, ZLX17]. colloidal [FY15, NZW18]. color
Combining [PKW17, HLML17, KSV+15, LSMS17, YYL16], combustion [CPV16, WMYG16], combustors [MBJ16, MRN16].

Comment [EBQ15, QHZ+15, XS15, ZJS15, CC17b, EH15]. Comments [Gho17, HSK+15]. communication [LH15, NWC16].

communication-avoiding [NWC16]. Comp [GBCF16]. Compact [Cui15, GGT15, TMH16, WRL16a, WRL16b, WRPL17, YLA15, Bre17, Fan16, GS15a, Ler16, LZZS15, OVP15, PX16, RSH+17, SS16b, WL17, YWHP15].

Comparative [ED16, KS16a, KGS17, CX15, MVZ16, RS15a, TK15a, ZED15]. Comparing [GR15]. Comparison [GWB+15, PUA+15, Pas16, SS15b, YM17c, FKF17, JZSX18, K16, LB16, RMC15, VVW17, WG15]. Comparisons [MAM16].

Compatible [BMC+18, MO18, GBM16, KSSL18, SO15, TMH18, YSC+17]. complete [MG15a, SD16]. complex [AMS17, ALM+17, AC17, BB17, CGGS18, CZL+15, CD17, CRZ17, DDO17, DD16b, GLS15, GEZK16, HAPK15, KJ17b, LCK16, LBT18, MK15, MR16b, Noc15, RS16b, SMLB15, TK15a, TP16b, VB+17a, VD16, WXW15, WWR17, XDvW17, YDCK16, ZYW16]. complexity [LYCC17, OZ17].

complexity-bottleneck [OZ17], complexly [GN16], complicated [ABFR16]. component [Did17, FB15, GZ17, HHH17, KS16c, LFDP16, LCK16, STW16, Tav16, Vos17].

componentwise [CLP16a]. Composite [SGP17a, BCM15b, JHAT17, JW15c, LJJ15, LSS16, RZ15]. compositional [CFvKH18, MTZ16, MTJ17, MF16a, WKSS15, XML17]. compound [MT17, PZNG15]. Comprehensive [RLV16]. compressibility [GZM+17, HP17]. compressible [AP17, AD15, AMS17, AZ16, ALA16, BT16, BHKS16, BMR+16, BJ15, BHF15, BC16c, Cai16, CYL+16, CSN17, CC16c, CPS17, DD18, FRM17, FST15, FHA16, GOR17, GHR17, GKW16, Ger17, HL15a, HZL+15, HT2G17, HTB15, IGQ15, JSP16, KI17a, KS17, Lap16, Ler15, LER16, LFW17b, LSD+17, LR16, LH17b, LSZ18, LNM15, LZW+17, MM16d, NDCB17, NF17, ÒPH15, PX16, PSS17, PM16, PWC18, PC15a, PCN15b, PH+16, PS16, PBC+17, QLF16, QSB18, RL16, SWS17, SPD+17, SP15a, SGMS16, SHA16, SWPS17, SKC17, SST+15, SVA15, T17, TWH15, TT16, TAB17, VM15, VSM16a, VSM16b, VBF15, W15, WLM15, WCH+17, WS15a, WDG17, WL17, XTF+17, YSW15, YSWS16, YWS+16, Zha17c, ZHA17a, dM16, dFV15, dPSS16, vOMB17]. compressible-fluid [FHA16].

Compression [LY15c]. Compressive [HD15]. Comput [ASS17, CN17, Dav15, Gho17, HGN17a, KYW+18, MN17, PS15a, SWMD17a, SYV17, TK15b, ZJS15]. Computation [BD15, GGL+17, MHL17, MTD15, NL15, ALT17, B11, CC17b, CPS17, CG16, DG16a, DOD17, EMZ17, FCF17, FBF15, GHH15, GLMC16, ION+17, KH15, LVTR15, LO16, LDHG16, LDH15, MBSS15, NCP+17, ZJ16].
PK17, SCQP16, Tre16, ZZH16, ZLX17, dMRHJ17. Computational
[AK17, BTGM17, BGTM18, BR16, Cac15a, DD16a, EH15, FKF17, Fon16, Gam15, HSK+15, Kat16, MSV+16, PQR17, VS17, WHCN17, XS15, Zoh17, ATF16, BB17, LL17, BZ16b, BK17, CCBdL15, CV16b, HC15, JC17, KS16a, KSV+15, KP15b, KZG16, KBF17, LFR17, MMNI16, Moh15, NPC15, NGS16, PVFN15, SBN+17, XTS+16, ZR17]. Computationally
[HMBH15, Tav15, PMS15, SXBB15]. Computationally-efficient
[HMBH15, PMS15, SXBB15]. Computations
[Niu16, EN17, Fal17, FH17, FSB16, ISP+15, KD17a, KH17, MC15, MMSS15, PKA+16, RDG17, RXSG15, SGC+17, Sha17a, WF17, ZS16]. compute
[FDS+15, RG15, SKF15]. Computer [Fed17, KL17a]. computers
[WLC15, YM17a]. Computing
[BJTZ15, CAA18, GN16, HLTC18, XP15, ABR16, Cac15a, Cac15b, DLN15, GH17b, GP16c, HAPK15, HXB15, NJPB17, OD15, RGPL17, RLP16, Roy15, VYP15, VCNGP15, VCNOP18, XJ16, XZZ15, XY15, ZAK15]. concave
[WT16]. concentrated [ZVO15]. concentration
[Cot16, JWH16, PPLC16, SO17, WBC+16]. conditions
[AMN18, AR16a, AMP16, BHdD18, BJ15, BNS17, BPTA16, BAR15, Cha16, DGL+15, DS15c, DKK15, FN17, GGT15, GVTQ16, HL15a, HP17, HKH16, HY15, Hae15, JSP16, JW15b, JSY15, KZR15, KHHN16, LLEK17, LXC+15, LCK16, LZ17b, LFT+16, MP15b, MN18, NW15, PGCG18, PCN15b, PE16b, PMF15, PDRB17, RZ15, SS17a, SK15a, STG17, Stii15, TSN16, TTN+16, VAD17, WSY16, WGM17, XP15, ZS17, ZZH16, Pan15]. conducting
[ALT17, MBHS17, NSK+16, STK+16, VYP15, VBG16, YK15, ZVO15]. connected [LDL+16]. connectivity [Liu16]. Conservation
[Sla16, BD15b, Bal15, BT16, BK16b, BLD15, Bra16a, CCRdL17, CHOR17, CS17a, Choi15, Del15, DL18, EFT15, FPASS16, FS15, FS17b, FHAM17, HLS15, HA16, IBML16, IC17, IDS15, KGS17, KGI15, LMS17, LMBZ15, LY15b, LHGF16, LSI16, MDV16, MH15, MRX17, MB15, MFG15, NT15, NMM16, NR17, NG17, Nor15, PXR17, SW17a, SL18, SW15, SWLZ15, SW16, SWPS17, SPP16b, SKC17, TLQ15, TM15a, TPK16, VNA15, ZP16, ZQ16b]. Conservative [ADG17, CNG99, IM17b, PF15, TPT16, AHNF15, AMH+18, APP+16, AM17b, BN17, BTVB15, CQ16, CNG17, CC16a, CC17b, CD17,
CSH15, DGMT17, DB16b, EHXM15, FGLW18, FL16, GWWC17, HHA15, HSK+15, HHY15, JW16, JH17, KJYC17, KL18, LHA15a, LHA15b, NOM+17, NN17, NF17, OvdHVH16, PA15, SGMS16, SA16, SFT16, SWLZ15, SLY16, SMAG17, TCS16a, Vac15, WWR16, WH15, WZ15, WKOE17, Zad11, ZA15b, ZG17, FRO17]. **conserved** [Sto17, WSS+15]. **conserving** [BMC+18, CCZ15, FGL16, HJZC17, JST17, Lap17, LSYF15, OD17, PG17, SLN15, SD16, TC15a, TKC15, TCSM15, WG16b]. **considerations** [COdLL18]. **considering** [MKV+17]. **consistence** [LHA15a]. **Consistency** [Don17, AWJ17, NG17, Stü15, Stü17]. **Consistent** [MLB16, ADFG17, BAG16, Bre17, HHR15, HL15a, JSP16, OMLdL16, OLD+16, OLB+17, PKP+17, PN17, Pei16, PS14, PS15a, PMGW16, RMC15, STK+16, TTN+16, TKP16, TSR15, Vac15, WY17]. **Consortium** [TM17, TK16]. **constant** [BMP18, LTKA15, MNR17, OKE17, WG15]. **constants** [OKE17], **constitutive** [TBO+16]. **Constrained** [Cot16, CLNH15, TPB16, JME18, MAP17, Moc17, Tav15, TD16b, XX16]. **constraint** [BTGM17, BGMT18, CEL18, RS16a, SD17, XY17]. **constraint-preservation** [BTGM17, BGMT18]. **constraints** [ADE+17, DRP+16, EST17, HX16, WT15]. **constructed** [SGC+17]. **Constructing** [AEAM15, FN17, LTR16, HHR15, KV16, RT16, XY17]. **Construction** [HY17, RSB16, AG16, MW16b, OS15a]. **consumption** [FYO+15]. **Contact** [LRZ17, DL17, Don17, FB17, FRL15, FPV18, Gan15, HW18, HKS+16, LPGT16, LD15, Liu16, LDGH16, LHA16a, MAK15, PR16b, SYY15, SSA17, TP16a, YY17, ZDGW16, ZVO15]. **contact-angle** [Don17]. **Contact-aware** [LRZ17]. **containing** [LKB15]. **Contents** [Ano15a, Ano15-27, Ano15-28, Ano15-29, Ano15-30, Ano15-31, Ano15-32, Ano15-33, Ano15-34, Ano15-35, Ano15-36, Ano15-37, Ano15-38, Ano15-39, Ano15-40, Ano15-41, Ano15-42, Ano15-43, Ano15-44, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano15m, Ano15n, Ano15o, Ano15p, Ano15q, Ano15r, Ano15s, Ano15t, Ano15u, Ano15v, Ano15w, Ano15x, Ano15y, Ano15z, Ano16-48, Ano16-49, Ano16-50, Ano16-51, Ano16-52, Ano16a, Ano16b, Ano16-27, Ano16-28, Ano16-29, Ano16-30, Ano16-31, Ano16-32, Ano16-33, Ano16-34, Ano16-35, Ano16-36, Ano16-37, Ano16-38, Ano16-39, Ano16-40, Ano16-41, Ano16-42, Ano16-43, Ano16-44, Ano16-45, Ano16-46, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano16k, Ano16m, Ano16n, Ano16o, Ano16p, Ano16q, Ano16r, Ano16s, Ano16t]. **Contents** [Ano16u, Ano16v, Ano16w, Ano16x, Ano16y, Ano16z, Ano17-46, Ano17-47, Ano17-48, Ano17-49, Ano17-50, Ano17-51, Ano17-52, Ano17a, Ano17b, Ano17-27, Ano17-28, Ano17-29, Ano17-30, Ano17-31, Ano17-32, Ano17-33, Ano17-34, Ano17-35, Ano17-36, Ano17-37, Ano17-38, Ano17-39, Ano17-40, Ano17-41, Ano17-42, Ano17-43, Ano17-44, Ano17-45, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i, Ano17j, Ano17k, Ano17l, Ano17m, Ano17n, Ano17o, Ano17p, Ano17q, Ano17r, Ano17s, Ano17t, Ano17u, Ano17v, Ano17w, Ano17x, Ano17y, Ano17z, Ano18a, Ano18b, Ano18c, Ano18d].
context [KGS17]. Continuation [BVM+17a, BZ16b]. continued
[MAP17, CRW16, YJ17]. continuity-preserving [YJ17], continuous
[AG16, BKP16, BST15, DGM17, DKK18, Fid17, HR18, HY17, KS16a, KPKG15, KLSF15, KG15, LKSM17, MSP16, PL16a, SS16c].
continuous-discontinuous [SS16c]. continuous-in-time [Fid17].
continuum [CX15, CDX18, DKC15, DPR16, DPRZ16, HS17a, HKS16, Jac17a, KGP17, LS166, MSH15, YSW16, YXX16, ZWG17]. contour
[ZGD16]. contoured [DKC15].
contrast [KCW17, ML16, RVZ15].
Control [AEL15a, ABG15, APP16, AEL15b, BMRA15, FDK17, GM16, KdM18, KY16, KY18, KSSL18, LC17a, NJPB17, Pea15, SPX18, SWHK15, SP16, WBM15a, YK15, ZIL15]. Control-volume
AEL15a, APP16, AEL15b].
controllable [ZZH16].
Correcting [ZH15, KB15, L15]. Correcting
[AZ15, BM15, CCH17, DRR16, Dw15b, DS15c, GLTB18, GXX17, HX16, HDA18, HLQ16, HXX16, JCL15, JKL17, K15a, KS15d, KS16d, PK16, PBC17, R15, RS17, SM16, SM16, SW15, WMY16, BK17a].
Corrigendum
ASS17, BR16, CNG17, Dav15, GBCF16, HGN17a, KY18, MN17, PS15a,
PS15b, PS17, RBI18, Sha17b, SYV14, SZ17, TLH15, TBO+16, TKP16,
WLM15, WH15, WDS15, WH16a, WT15, YYL16, YHQ15, YLA15, XY15,
YM15, YWHP15, ZZK16, ZL15b, ZSQ17, ZQ16b, dFJN16, GSS15b].
difference-boundary [BBKS16], difference/finite [BTWY15],
difference/embedded [Cho15], difference/spectral [CLC16], differences
[ABFR16, CZL+15, CPS17, FBW16, LTB16b, MF17]. differentiating
[DVW15b, FAZ16, TK12, TK15b, WJD16, WBM15a]. different
[LCK16, OTS17]. difference-boundary [BBKS16].

difference/finite [BTWY15].
difference/embedded [Cho15]. difference/spectral [CLC16]. differences
[ABFR16, CZL+15, CPS17, FBW16, LTB16b, MF17].
differentiation [CWL+16, YCPD15]. differentiator [SZF15].
diffusion [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, CWJS15, DS15a, DS15b, DD16a, DMSC16,
DY17, Fac16, FBF15, FHE15, GSS15a, GSI15a, GSp17a, GSp17b, GBU15,
GL17, HG17, HSC16, HY15, HPH16, JPLL15, JW15b, JW16, JZ16, JLLZ15,
JJ17, Kay15, KS15a, KKL17, KMK15, LE16, LAL18, LM15a, LPB17,
LM17c, LILLN16, LII17a, ILNS17, LMMS16, LP16b, LM15c, LFT+16, Luc15,
MBBS15, MMN16, MK15, MN16a, MM15, MP15a, MDDM17, MSP15,
MSP16, MV15, MN16c, NN18, NL18, PD15, QDH15, Rag15, RB15, SAEF17,
SWG+17, SY16, SYM15, SYM17, SSM15, SX15, SGA+15, SPRW15, SLZ+17,
TWN15, TW17, TK15a, TSH17, TMT17, WZ15, WY16, WW17, WHY17,
WCL15, WZ17, YHQ15, YYN+17, YM17b, YLA15, ZSP15].
diffusion [ZSW17, ZL16, ZLL+17b, vEKdB16]. diffusion-controlled [PD15].
diffusion-reaction [MN16c]. diffusion-wave [BDBEE15, HSC16, YLA15].
diffusive [AJVH17, BHD18, BR15b, BR16, BL1C+17, JLI15X, JXZ15,
JL17c, MP15a, SAOW17, VDDP15]. DIII [WSU+15].
dilute [DAO17, SG1P17b, Yan17]. Dimension
[CLM16, TLQ16, AS15, CQ15, YM17b]. dimension-adaptive [CQ15].
Dimension-by-dimension [TLQ16]. Dimension-independent [CLM16].
Dimensional [NN18, AR16a, APR+15, AEL+15a, AEL+15b, AB16b, APT17,
An17, Bal15, Bvg+16, BOA17, BH16b, BGL+17, BA15, BLS16, BGG16,
BGJ+15, BTWY15, CB15, CQ15, CP16, CQ17, CHJ17, CVK16, CGP16,
CM18b, CLM17, CYWL17, DCA+16, Del15, DwW15b, DZ16, DwB17,
EDvW17, FDKI17, FS17a, FST15, FPDT17, FK17, GGL+17, GN16, HYL17,
Hue15, IQ15, IDS15, IM15, JGS16, JJ17, JAY15, KF15, KA15, KCW17,
Kou16, KS15b, LGO17, LLL16, LL16c, LILNS16, LN17, LD15, LSTK15,
LK16a, LW17d, LW17e, LMSK17, LEB+17, MHL17, MDDM17, MBM+15,
MB15, MB16, PxRS17, PHHR17, PK16, PCN15a, PCN15b, PR16b, PF15,
Ram17, RG15, RS16a, RDG17, RKRGW17, RXSG15, RXS16, SD17, SSA17, SX15, SSN15, SF16, SWZ17, SK15b, SLZ+17, TCSM15, TCS17, TCA16, TD16a, TSH17, TZZS17, TBO+16, Trea16, TBG16, VCNOP18]. **dimensional** [VNA15, VSML6a, VSM16b, WSY15, WDS15, WCN15, WRL16a, WRL16b, WTGC16, WHY17, WLE17, WHE17, WWGK17, XML17, YSW15, ZMF15, ZZK16, ZL15a, ZLL16a, ZYW15, ZBZT17, ZCL17, ZL15c, ZWB+16].

**dimensionality** [BGG16, TBG16]. **dimensions** [BXY17, CC16a, CM18a, CGRV17, DS15a, DS15b, DL17, FR18, FS16, HN17a, RVZB15, SHKL16, Vee16]. **Diminishing** [SX16]. **diodes** [DS15d, JB15]. **dioxide** [GGL+17]. **Dipole** [MML17]. **Dirac** [ASS17, ASS13, EG17, FGLB16, HNS16, Pin15, PS17]. **Direct** [BLD15, CR17, FKY15, KLNH17, LRA17, OMVdP+15, RW15a, SAK18, BS15a, CDC17, CYH16, CYL+16, CC16c, CGP16, DY16, Eva18, GB15b, IM17a, KNS15, PPLC16, PVB17, RS16b, RLV16, STK+16, YS15, ZG18, Mac16].

**direct-forcing** [PVB17]. **direction** [BG+15, GGT15, LST+15, LX16a, SX15, SZ17]. **directional** [FYO+15, MIJ15, MSH+15]. **directional-splitting** [FYO+15]. **Directly** [ZQ16a]. **Dirichlet** [ABN15, ED16, GBD17, KHNN16, WZ15, YK15]. **Dirichlet-to-Neumann** [GBD17]. **disc** [SHW17]. **discharge** [DBM15, VB+17b, ZCHS15]. **discontinuities** [GLTG15, HZL+15, WS15b]. **discontinuity** [DS15a, DS15b, PE16a]. **discontinuity-aware** [DS15a, DS15b]. **Discontinuous** [BD17, BKR15, BKR15, FNP17, HGN17a, JHT+18, NLW+16, OWKE16, Rag15, TSC17, TRL15, ZN16, AG16, AM17a, AS15, APK16, ADE+17, BDM17, BCJL17, BFT17, BCB17, BT15, CGQ18, CGMH18, CWM+16, CJD+17, CHY16, CS17a, CYL+16, CCKQ15, CK16a, CK16b, DM17b, DKK+18, DLL+17, DL16, EHXM15, FWK17, Fer17, FBM16, FSB16, FS17b, GWK16, GCMK15, GS17, GX15, GY15, HL16a, Hig15, Ism15, JH17, JTD16, KDF15, KM16b, KFF+17, KRKF16, KG15, KFWK17, LM16, LL+16, LP16a, LX18, LS16, LT16b, LP16b, LY16b, LW17e, LSZ18, LH16, LI15, LSI16, MK17, MN16a, MKC17, MF16a, MSP15, MSB+16, MMPS17, NMM17, NJ15, NPC15, NPRC15, NCD17, OKWE17, OKE17, PL16a, PE16a, PC15a, PP17, PP18, PMB18, QSY16, QDH15, RXSG15, RDM15, RBL16, SPX+18, Say17a, Say17b, Sch16b, SWG+17, SMP16].

**discontinuous** [SZ15b, SS16c, Sth18, TH18, TD16a, TD17, Teu16, TM15a, TXKvd16, TXKvd16, UL16, VPV+17, VCNOP18, WW15, WTGC16, WLE17, WWGK17, WG15, WBM+15b, Xia15, XJLQ15, XL16, YY16, Zha16, ZLH+17, Zha17c, ZT17, dFV15, vOMB17, HGN17b, OLHD17, DDM18].

**discontinuous-Galerkin** [NJ15, Sch16b]. **Discovering** [PPCK17]. **Discrete** [ACGR15, BNS17, LMP15, MHS16, AEL+17, ADN15, BCST17, BBB+16, BPS16, BC18, BHTT17, CC17c, CVG18, CWf16, Del15, DGW17, EFH17, HLM17, HHH15, Hwa16, JLQ15, JKE+17, LFRH17, LC15, Loz17, MWD16, MRM16, MZ15, NMA15, NN15a, NN17, NN15b, OWKE16,
OKWE17, PL16b, SSDN15, SWK18, SGL17, SLZ+17, TAH16, VLTPS16, VBF15, Xia15, XRM15, YSWS16, ZNX15, SMAG17, dPSS16.
derivative-adjoint [VBF15].  
derivative-forcing [LC15].  
derivative-time [MWD16].  
derivative-velocity [HLML17, JLQX15].  
derivative/continuum [SSDN15].  
derivative [OKE17].  
derivative-discretisation [ABP+16, GBD+15, OLHD17, OWKE16, SSM15, DDM18].  
derivative-discretisations [OKE17].  
derivative-Discretization [Dav10, Dav15, FPDT17, AD15, AVT17, BHE+17, BKR15, CDM+16, CI17, CM15, CHD+18, DvB17, DS15d, EG17, FNGDM18, FW17, GDA2016, Her16, HLML17, HK15b, LMMS16, MHS16, Nis15, NL17, Nor15, OvdHV16, PG17, DM18, QLF16, RBL16, STK+16, SKF15, TCS17, VDPP15, VB+15, VK16, YP17, ZP16, ZZKF15].  
derivative-Discretizations [SYV17, BGGM15, BCB17, BSM16, CHOR17, FKF17, FKW17, KD17b, MLL16, PE16a, SYV14, TMH16, WX17, ZSX17].  
derivative-discretize [DBMB15].  
derivative-discretized [HR18, JW15c, SWG+17].  
derivative-Discretizing [POSB16].  
derivative-dislocation [BC18].  
derivative-disordered [SU15].  
derivative-disparate [TCS16a].  
derivative-disperse [JS17].  
derivative-Dispersion [BGGM15, Mel18, SL15, An17, CHL17, GZY16, GR15, KMS+18, KD17b, LKN17, MRN16, MT17, MHZ+15, MSP15, NMC15, PCF15, PPCK17, SSL+16a, Sto16, YWHP15].  
derivative-dispersion-diffusion [MSP15].  
derivative-dispersion-relation-preserving [YWHP15].  
derivative-Dispersive [SU15, AEAM15, Iwa15, LM15a, DM18, ZWUR16].  
derivative-Displacement [RVR17, LW17a, SWML17].  
derivative-displacements [BQCG17, RDG17].  
derivative-Dissipation [CZW17, BR15a, BMCK15, DLL17, DWG17, HWA15, KCS+17, KYW+16, KYW+18, KV16, NMC15, SL16c, WDG17, WL17, ZHA17a].  
derivative-Dissipation-preserving [CZW17].  
derivative-dissipative [AMH+18, AF18, DPK17, KP15c, LS15b, LS16a, LBT18, MD17, MB15+15, MFG15, PLL+15a, Sto17, YDCK16].  
derivative-dissociating [WMS18].  
derivative-Distance [XL17b].  
derivative-distortion [TAR17].  
derivative-distributed [AE1+15a, AEL+15b, CPT16, CLC16, FG16, hGwsS15, LAA16, MR16a, WLC15, WX18, YLA15].  
derivative-distributed-order [hGwsS15, YLA15].  
derivative-distribution [AD15, AB16a, EG17, HNS16, iI15, iI17, IC17, LN17, MN15, STR15].  
derivative-distributions [GWE15, LL15].  
derivative-Divergence [Ama15, BD15a, BK17b, BDG+17, KBR17, PMF15, RRM+16, TPB16, XL16, YJR, YF17].  
derivative-divergence-cleaning [YJ17].  
derivative-Divergence-free [Ama15, BD15a, BK17b, BDG+17, RRM+16, XL16, YF17].  
derivative-divertor [MP16, TTN+16].  
derivative-divertors [BDB+17].  
derivative-DLM [PZNG15, PGCG18].  
derivative-DLM/FD [PGCG18].  
derivative-DLM/FD/IB [PZNG15].  
derivative-DNS [KCS+17, KP15c, KFW17, MA16, MMM17, RL17].  
derivative-Do [RFGSV15].  
derivative-docking [PLW16].  
derivative-Domain [IBML16, JHPAT17, JX17, TRL15, AM17a, And16, AAI15, BLK15, BG16a, CXH15, CLC16, CC17c, CLQ17, DZ16, DvB17, DDV+13, DGL+15, ETA15, FHA17a, GBD17, GHJ15, GHH+16, HXX115, IML15, JSP16, LH16, LS15a, LH15, LLS15, LZ16, LHMB16, LC17a, LZZ+15, LK16a, LMM17, LYA16, MMS15, MJ17, MH17, PR16a, PLL15b, PT17a, PBA+15, QDH15, RZ17, SZW+16, SZ17, SL16b, SWZ17, TT17b,
TP17, TST17, WR16, ZP16, ZLY15, ZD17, ZYCK15, ZZH16.
domain-decomposition [TT17b]. domains
[AB16b, AFB16, And16, BLS16, BTT18, BC16c, DGHP17, FH17, FYZ+15,
FBF15, GSN16, GLS15, GN16, GLTG15, JW16, JGS16, JTD16, KADE15,
KAE17, KBR17, KJ17b, LPGT16, LB15, LCK16, LC16, MN16, MTZ16,
NN15a, NGY+17, NSK+16, NN16, OLD+16, PKN17, RB15, ST17, SHW18,
SGT16, ST17, Tsa16, YYN+17, YDCK16, YLA15, ZL15b]. dominated
[Shu16, WB17]. Doppler [DJD+17, JDFS16]. dosimetry [KSV+15].
Double [LH16, BLC+17, EG16]. double-diusive [BLC+17].
double-sweeping [EG16]. doubly [BL16, LB16, NL15].
doubly-asymptotic [BL16]. doubly-periodic [BL16, NL15]. down
[CLL17]. DP [KCW17]. DPD [GZM+17]. DPD-based [GZM+17]. DPG
[FKDL17]. drag [Eva18, GPS17b, HM16b, ID17]. drift [HK15a, LC17a],
driven [AZ17, BC16d, CPT16, CCZ15, CEL15, CV16b, DM17a, DS16,
DVP+16, EN17, LK17, LZA+17, LAA16, PD16a, SG16, Str17, XWW+16,
YDCK16, Zoh17, dLGT+17]. driving [BL17, JJS15].
droplet [BKG15, GLT18, LZ15b, LWC17]. droplet-laden [BKG15].
droplets [Did17, Gan15, PKB15]. drops [Fed17]. DRP [Bra16c]. Drucker
[LEB+17]. drum [Ant17]. drying [ABT16, FKY15]. DSMC
[Mac16, GJ15, GRS15, KJ17b, MC16, RMC15, RSSSE18, WPB15]. DT
[Nor15]. Dual [HB15b, MN18, Sti17, WS+18, AAE17, CLP16b, DZ16,
GCVCH18, LHY18, NG17, OKWE17, SFDE15, TC15b, ZD17].
Dual-consistency [Sti17]. dual-corrected [SFDE15]. dual-porosity
[GCVCH18]. Dual-scale [WS+18]. dualism [Luc15]. duals [DP16].
duct [BBKS16]. ducts [CV16a]. due [LM16, MCS16, SY16]. DUGKS
[ZWG17]. during [TYD16]. DVM [YSWW16]. Dynamic
[DD16b, GSN17, LHY18, NLK+15, APP+16, AF18, CL16, CvKH16,
CvKH18, EST17, FGL16, Gan15, HKS+16, IGQ15, LMC16, LGD17,
MRA16, MG15b, MNG15b, MS15c, MM17, NFG15, PD17, TYD16, WY17,
WS15b, ZZ17b, ZDD17]. dual-consistent [WY17]. dynamical
[Cha01, EN16, ES16, MCM17, MRS17]. Dynamically
[ALKZ16, MN18, CYS17, DBMB15, KG15, PS16]. Dynamics
[WB16, AGBL15, AWS16, AF18, ATZ16, ABR16, BJTZ15, BHD18, BC18,
BBW16, BLS15, BL17, BZ16b, DMAM15, Dav10, Dav15, DPK17, DG16c,
DLR15, DFS16, DPRZ17, EJZ17, FB17, GS15c, Gen15, GBM16, HSLQ15,
HLQ16, HK15a, HM16a, HMBH15, HM17, i15, i17, JME18, JB15, JLF17,
KM17, KBK15b, KP15b, KOR17, KS17, LMS17, LFR17, LS15b, LS16a,
LTBK18, LK16b, MHL17, MD15, MMW15, MFG15, NPC15, NLL+15,
NLW+16, PQL+15a, PQR17, RS17, Say17a, Say17b, SHKL16, ST15, SXX16,
SMAG17, Sto17, Si11, SAOW17, SFI17, SY17, TP16a, TAJ+17, TR17,
WE15, WTS+17, WH16b, WYA+17b, XZZ15, XWW17, ZL15a, ZLH+17,
ZD17, HSB16, YDCK16].
Eady [YSC+17]. earthquake [DD16b]. Eca [EH15, XS15]. ECGs
[NCP+17]. Eddy [FNP17, PD17, TABR17, BGV17, BR15a, BJ16, CLB+16, CC16c, DLLV17, Fer17, FG17, KH15, MD16, MMPS17, NNYM15, PK17, RS16b, RBGV17, VV16, CL16, LLM17]. eddy-current [BGV17].
eddy-resolving [MMPS17]. edge [BGGM15, Dod17, GDS+16, KHC+16, MP15b, MP16, NL17, PF15, TBC+16, WSH+17]. edge-based [NL17]. edges [HK16b, Tsa16]. Editorial [Abg16, Ano18e, Ano18f, Ano18g]. effect [GR15, LYDB17, PQR17, SAH17, VALT16, WX17, XR17]. Effective.
[DGL+15, GVTQ16, XLY15, BPS16, CPT16, Cot16, HS17a, LK17, PVFN15, VS17]. Effects [NNW17, AAL15, GZM+17, Gen11, Gho17, HCW15, HW15c, KD17a, KCS+17, LW17b, MAH16, MLB16, NWZ18, ST16, SPD+17, SSL+16a, SP16c, VCNOP18, WTL17, YT17]. efficiency [BHZ16, BT17b, Die15, KK16, LWY18, WBC+16]. Efficient.
[AG16, ALT17, BGV17, CS16c, CM18a, CYS17, CLGA17, DNBH15, ESHA16, FNGV18, HE15, HMM17, KAR17, LZ16, Lia16, LB16, LHA16b, MBSS15, MS16a, MPT16, MN16a, NMA15, NCP+17, SBT17, SYY15, SDM+17, SPRW15, TRM16, VSM17, WJD16, XL17a, YM17a, ZS15, bWAW15, ARG*17, ADGN17, ALM*17, APKP16, BGS16, BCM15a, BST15, CCdL15, CC17a, CE18, CCZC16, CC17, CZJ17, CPS17, DZ18, DY16, DLN15, DLNR18, DOO17, DB16b, EMZ16, FGB15, GWB+15, GS15b, GLZ16, GP16a, GLTB18, GW15, HHC15, HMB15, HWA15, HC17, IPSG15, KC17a, KF17, LM15a, LKK17b, LK16, LWY18, LHY17, LPBR15, LWC17, PXL16, PMS15, PKJ+18, PSP16, RT16, SXBB15, SGMS16, SO15, SSN15, SF16, Tav15, TRL15, VBG+17a, VD16, WLW17, WSOW16, WS15a, XX17, XWW17, ZZDB15, ZL15b, ZGD+16, dICGCA17]. efficiently [Cac15a, Cac15b, ZWUR16]. eigenfields [HK16b]. eigenmodes [ABT17]. eigenpairs [VYP15]. eigenproblems [MBJ16, MBNJ16]. Eigensolution [MSPI6]. eigensolver [AAB+16, ZGD+16]. eigenvalue [ABN15, BDKK17, CXX16, HLTC18, JPLL15, KL16, KFL17, Loh17, PKA+16, PGH15, XZ15, YIM17c]. eigenvalues [ABFR16, ABT17, HXB15, HSSZ16, Jac17b]. eikonal [LP17b, NCP+17, TH16, YS17, bWAW15]. Einstein [ALT17]. elastic [ABT17, BXY17, Buk16, CHT17, CHJT17, DL17, DW15, DPRZ16, DKK15, DD16b, GTL18, GFG*15, GH17a, GFL17, GC17, GBS15, Heu17, KTK15, KDL15, KLTR15, LC15, LW15, PS15b, RM16, RRD16, SZW+16, SCQP16, SI17, SZF15, VK15, WJD16, WTL17, ZZZ17, ZZW+16, dTP16].
electrocardiology [PVFN15]. electrodes [MTD15].
electrodynamic [BAGK16, DPO16]. electrodynamics [BAGK17, BGTM18, PT17a].
electroencephalography [RMA17].
electrograms [NCP+17], electrohydrodynamic [HLY15, HLSY16, JGS16],
electrohydrodynamics [Vee16], electrokinetic [MXL16, PKP17].
electrolytes [GWB15]. electromagnetic [AJP15, ACC15, BAGK16, DZR18, DDV15, FCL17, GHJ15, GKE15, Ism15, KS18, LGO17, MHZ15, NOM17, PLL15b, ST16, SCS16, SSL16b, Tao16, TSN16, TRL15, TBLM15, UWH17, VCNOP18, ZWUR16].
electromagnetics [AM17a, LH16]. electromagnetism [BAGK16].
electromechanics [ANL16]. electron [ALM15, BTA17, CHE17, HMRG16, Ido16, KKS15, KKS16, LLVF15, LY15c, MP16, VBG15, YCBC15].
electrons [KM16a]. electropermeabilization [GPG17, LPW15].
electrostatic [DL17, HK15a, LLEK17, MSD17, PMF15, dCPDC17].
electrostatics [BCO15, DS16, XJ16, XY15]. Element [CEH16, GFG15, SM16, SFP16, YP17, ZS16, ZILZ15].
element-based [JTD16, KG15]. element-wise [MN16c]. Elementary [KD17b]. elements [CV15, CHD18, Dod17, HR18, JG15, LKM17, MG15b, MT17, MMW15, OKE17, Pas16, RGW16, RSB16, SWG17, SM16, SFP16, YP17, ZS16, ZILZ15]. ELF [Chu17]. ellipsoids [PGCG18]. elliptic [AR16b, BFFB17, LL17, CWW17, FSWW17, FPDT17, GLTG15, Gy17, Gy18, HL15b, HLLY17, HSF17, KKL15, KKW17, LMM16, MWY16, OKE17, PHHR17, SR16, SDW16, Vab15, VCNGP15, WTG16, WHE17, ZIL15, ZHW18]. 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, XT16]. emulator
[ZKS+15]. enabled [KMD+18]. Enabling [YXD+16]. endocytosis [LAA16]. energetic [CSY15]. Energetically [MXL16]. energies [BJWZ17]. Energy [BCJL17, CCBdL15, CCZ15, LCF16, MRX17, NMM15, OLDN17, OKWE17, RKH15, SL16c, AK17, AJW17, Bra16a, BMC+18, CCdL15, CCRdL17, CJYZ15, CS16c, CLL17, CEL18, CVG18, Don15a, DS15c, FPASS16, FG17, GZ18, GHL+16, GGT18, GX15, HPV16, HJZC17, HLS15, HW15b, JLFK17, LMI16, Lap17, LW15b, LSS16, LLVF+15, LW17e, NMM16, NMM17, NN15a, PG17, PS14, PS15a, PME+15, RSB16, SYY15, SLN15, SD16, Sto17, Suz18, TC15a, TKC15, TCSM15, Tav15, Tav16, TT17a, TKP16, VV16, WH15, WJD16, WCL15, Yan16b, YH17, YZW17, YCS+17, ZYSW16, ZN16].


Ensemble-type [RMK15]. Enskog [WZR15], entrophy [PG17, SL15, SD16]. enthalpy [HW15c, HW16c]. enthalpy-based [HW15c, HW16c]. entropic [DCB15]. Entropy [CS17a, CHD+18, DRM15, LSZ18, Li15, PCN15a, PCN15b, AS15, Bra16b, CJD+17, CHS17, DWG16, DWGW17, GHI15, IC17, LW17a, LCF16, LSI16, ML17, Opp17, SBT17, SW17a, WWGK17, WG15, WG16b, WDGW17, YC17, BC16b].

Entropy-based [DRM15, AS15, GHI15, SBT17]. Entropy-bounded [LJ15]. entropy-residual [LS16]. entropy-satisfying [CHS17]. Entropy-stable [CHD+18, DWGW17, IC17, ML17]. Environment [TCS+16b]. EOS [FSB16]. EPIRK [RT16]. epitaxial [YZW17]. epitaxy [Xia15]. Equation [ACGR15, AMN18, AEE17, All15, ASS13, ASS17, AMP16, ABFR16, An17, And16, ADK+17, ABH18, AKHT17, Ata15, ALTR17, BM15, BK17b, BJTZ15, BHL15, BLA+15, BN15, BBF+17, BDK+17, BP18, BNS17, BWR15, BCM15a, BGG15, BR17, BTT18, CQ16, CH17, Cha16, CCZC16, CLC16, CM18a, CD17, CMH15, CVG18, CV16b, CR17, CLM12, Cui15, CHLZ17, DD16a, DvB17, DLNR18, DS15d, DLL+17, DBM15, DKK15, EG17, EO15, EAM15, EG16, EMSS16, FS16, FGBL16, FLT17, FSM16, GMP16, GMP15, GMS16, GBD+15, GN16, GWWC17, GHL15, GL17, HW15a, HR18, HB16, HW16a, Her16, HLM17, HSC16, HW15b, HJ16, HXX18, HX15, HHY15, HRG16, JW15c, JL16, JLLZ15, JJ17, KS16a, KmdB16, KTN15, KKS15, KKS16, KJY17, KL17b, KDL15, KL15, LFRH17, LS15, LAL18, LTKA15, LJ15, LLNS16]. equation [LZ17b, LDWZ15, LY16b, LK16a, LYA16, LM15d, LQB16, LP17a, LP17b, MKYZ17, MK17, MS15c, MST15, NZTS16, MR17, MS17, MLM117, NH17, NPRC15, OT15,
equivalent [KE15]. **ERENA** [MTK+16]. Ericksen [NWZ18]. **ERKN** [MW16b]. erodible [LMKS15]. erosion [MS17]. erroneous [NN16]. **Error** [Kri17, PDRB17, RS17, AMK17, AR16b, BH16b, CI17, CNOS15, DZC16, FC16, GWE+15, Hwa16, JW15a, KKJB16, LKN17, MM15, OKWE17, RL17, SD17, SW15, TS17, YY16, ZH15]. **errors** [AAPB17, Dav10, Dav15, HDA+18, Iwa15, LM16, LYL+17, SZY16].

*esophageal* [KBG+15, KGP+17]. essentially [HWA15, LJ16, MWB+15a, ZQ17].

estimates [DZC16, IM15, JW15a, RES15, YY16]. Estimating [SZY16, TR17, WLK+16, STR+15]. **Estimation** [EDvW17, AMK17, Cha16, CN16, EH14, EH15, FAZ16, GP16b, ISP+15, KM17, KRFV16, PKW17, RFGS15, RL17, SW15, TT17a, TS17, WN17, XS15, ZH15, dFGS+17]. estimator [Opp17]. estimators [LB17, OKWE17]. **Euler** [AG16, Bal15, BLMY17, CGS15, CHD+18, DKK+18, GWK16, GP16b, HY16, ID17, Ler15, Ler16, LX16, LX18, LI15, MS15b, MMP17, PXL16, PS16, PDRB17, PZF16, TCL15, WW15, WR15, WRL16b, WDGW17, XDSX17, vOMB17]. **Eulerian** [AB16a, ALA16, BMR+16, BS15b, BLD15, BD17, CBB16, DL15, DB16a, FRW16, LS16c, MWB+15b, PR16a, RW15a, RSB15, SDM+17]. eutectic [DMS17]. Evaluation [BAVC17, DB16a, SDJU15, SGC+17, CKK18, KKL15, MDT16, RCRF16, RSD17, RSSS18, SY17, ZWG17, ZPE+16]. evaporating [DM17a, Did17]. evacuation [IM17a, PS14, PS15a, VALT16]. even [KWOE17]. **even-parity** [KWOE17]. event [Hig17, KBK15a, SGL17]. events [CL17, GH17b, MCS16, SPB16]. **evolution** [BMRA+15, GSN17, LP16b, OB17, UG16, ZXL17]. **Evolutionary** [STHW17, MIIJ15, WS16]. evolving [CRW16, FBF15, MMN16, MW17b, SS16a]. **Ewald** [GKE15, NPP15, ST17, WB16]. **Exact** [SFP16, BJ16, Del15, HY16, KAR17, MDVM16, MM15, PBC+17, PA15, SY17, SL16b, BPTA16]. Exactly [Lap17, Cac15a, Cac15b, NMM16]. Examples [LL17]. exceeding [BPF+16]. exchange [AZK16]. exchange-correlation [AZK16]. excitation [LYCC17, MLL17, YBC15]. excitation/deexcitation [YBC15]. excited [LY17]. exclusion [DG16c, RMC15]. excursions [MD16]. **Existence** [PJC16, HBR15]. existing [VLrTBI17]. exit [ML15c]. expanding [And16]. expansion [AAPB17, CSY15, GRMK15, GP16c, LQB16, PHD16, YYL16, ZM16b, aKT16, RKO17a]. expansions [ARG+17, AZK16, CN16, For16, HD15, JES15, KKL15, KSV+15, KS16b, LLEK17, LMT15, NS16, RKO17a, SS17b, VAD17, YLBL16]. expensive [PKW17]. **experiment** [MRR+15]. Experimental [SHP+16, CC16b, KL17a, NP16, NKN+17, RL17, WLL16]. **Experiments** [FBW16]. **Explicit** [BBBG15, BJ16, CCR17, CJD+17, SSS+15, Tao16, CKQT15, CDV17, EMSS17, KA15, KFWK17, LH17a, MVK16, MAM16, NYNY15, NKWC16, PGM17, RS15a, Ric15, YSW15, dSPDH15].

Exploiting [CELI15]. **Exploring** [BMT16]. **explosives** [MN16b, RA17]. **Exponential** [GDA16, WBM15a, AMP16, Cui15, ETL17, GP16a, Ike18,
LTR17, MW17a, SWZ17, WJD16, ZSP15. exponents [MSB+16].

expression [LB17]. expressions [FS15]. Extended
[BQCG17, ROS17, AMB17, BMC+18, CPT16, CS16a, GG15, Guo15, HZ17, JH15, PXXZ15, PCX17, SL16a]. Extending [LYZ15, LY15b, MLMM17].

Extension
[GHJ15, PsRS17, SG17, WRL16b, WMS18, WYA+17a, ZLL16a, ZLL17a, ATC17, ABT16, FG16, MN15, SW16, SO16, SG16, SiH16, SiH17, VNA15].

extensions [LYPP17]. extent [CK16a]. exterior [BXY17, CC17c, MHS16].

external [ESGS17, LC17b, WH16b]. Extra [CSS15]. extracting [KKP15].

Extra [LYPP17]. extent [CK16a]. exterior [BXY17, CC17c, MHS16].

external [ESGS17, LC17b, WH16b]. Extra [CSS15]. extracting [KKP15].

Extra [LYPP17]. extent [CK16a]. exterior [BXY17, CC17c, MHS16].

external [ESGS17, LC17b, WH16b]. Extra [CSS15]. extracting [KKP15].

Extra [LYPP17]. extent [CK16a]. exterior [BXY17, CC17c, MHS16].

external [ESGS17, LC17b, WH16b]. Extra [CSS15]. extracting [KKP15].
PD16a, PKB15, RTO15, SYY15, SLL16, SAOW17, TW17, TK15a, TSST16, VSM17, VS17, WJD16, Wic16, WCCB16, XCV17, XL16, Yan16b, YH17, YY17, Zau16, ZW16, ZZ17a, ZHLZ18, ZYSW16, ZYCK15]. fields
[BAGK16, BMC15, KBR17, LE16, LX16, MLMM17, PVPK17, RRM16, RSD17, Tao16, TG17, XTS16, XY17, ZFPB16]. fifth [CTG16, ZQ16b]. fifth-order [CTG16]. Filament [JSS15]. filaments [DCP15]. filed [DSH16, SAH17]. filter [BJ16, KC17a, MRP15, NYNM15, PE16a, PKA16]. Filtering [OS15a, LMH16, MM16b, ZN16]. Finding [BSWG15, SPM15]. fine [CGS15, KGT15, NLFM16]. finite [HR17, Heu17, HHLY17, HY16, Hu17, HXX18, HAH16, Ism15, IDS15, JTR16, JW15b, JW15c, JW16, JLLZ15, JG15, Jou15, KDF15, KW15b, KE15, KJYC17, KL17b, Kla15, KS17, LH16, LMH16, LDL16, LY15a, LN17, LAL18, LX16, LL16b, LHM16, LMC16, LZ17a, LYZ15, LY15b, LZ17b, LMS16, LTB16b, LJ16, LKSM17, LWC17, MF17, MN04, MN17, MDHC15, MR17, MT17, Meh15, MRK15, MH18, MSS16, MM16c, MF16a, MWYZ16, MN16c, MMW15, NH17, NN15a, Nis15, NF17, Nor15, OLDD17, OV17, Pxs17, PCX17, PL16a, PH16c, PS16, Pe16, PS15b, PWP15, PS17, RB18, Rag15, RG15, RGW16, RAM15, RRD16, RSD17, RBL16, SNSG16, SPX18, SDMS17, SAEF17, SWG17, SM16, Sha17b, SY16, SLY16, SYM17, SYV14, SDH16, SKG17, SA15, SFDE15, SSO15, SZ15b, SDW16, SZ17]. finite [SS16c, SP15b, TLH15, TMT17, TC15b, TBO16, TKP16, URL16, WR15, WDS15, WRL16a, WRL16b, WRPL17, WT15, WSF17, XWL16, XDV17, XZ15, XX16, XJ16, XDSX17, XM18, YSC17, YYL16, YHQ15, YP17, YX15, YM15, ZCHS15, ZS16, ZS15, ZILZ15, ZGJ16, ZZ17, ZHLZ18, ZBTZ17, ZQ16b, ZQ17, ZXDL17, dFJN16, CJ17]. Finite-Difference [SYV17, Bre16c, Bre17, CYWL17, GH17a, GS16, LH16, LHM16, NF17, RBI18, SYV14, TLH15, YYL16]. Finite-Element
finite-element-based
finite-elements
Finite-volume
Finite-volume-concept-based
finite-volume/Monte
Finite-volume

First-order
first-principles

flooding
flow-field
flow-transport
flows
flow
GOR17, GHR17, Ger17, GWC17, GG15, GBCF15, GBCF16, GJ15, GRS15, GEZK16, GAS+18, GSS15b, HHA15, HFM17, HL15a, HEPG15, HZL+15, HTZ17, HP17, HSB16, HM16b, HTMP17, HW18, HTBG15, IGQ15, JS17, JAS16, KTYU15, KTN15, KPI15a, KLNH17, KCS+17, KF17, KP15c, KYW+16, KYW+18, KL18, KV16, KS15b, LMP15, LS15a, LVTR15, LPB17, LFDP16, LL16b, LW17b, LSD+17, LSR16, LC16, LC17b, LD15, LMK15, LWB+16, LSXC16, LH17b, LDHJ15, LZW+17, LHA15b, LHA16b].

flows [LEB+17, MLI17, MM16a, MNG15a, MDL16, MOAA15, MTZ16, MC15, MP17, MRK15, MRXI17, MCGS16, MF16b, MA16, MSB+16, MR16b, NDC17, OVP15, ÖPHA15, OD17, PKP+17, PL16a, PSS17, PM16, PPLC16, PWC18, PN17, PGM17, PLWJ16, PF16, DM18, PWP15, QSB18, RS16b, RDG17, RV16, Ric15, RZ15, SXBB15, SWS17, SP+17, SP15a, SGMS16, SHA16, SL17, SKF15, SWML17, SAK18, SWMD17b, SXY18, STW16, SDM+17, SDH+16, SKG17, SSA17, SGT17, SST+15, SGP17b, Suz18, TK12, TK15b, TBO+16, TMH18, TPK16, TABR17, UG16, VMSG15, VCA15, VPM15, VSM16a, VSM16b, VALT16, WDG+17, WSY15, WSS+15, WST15, WSY16, WSP17, WCH+17, WSN+15, WMS18, WGME17, WL17, XWL+16, XDV17, XX16, XSL18, YSW15, YSW16, YGY17, YL16, YCS+17, ZMF15, ZGW17, dFVJ15, dLGT+17]. fluctuating [DSH+17, HM17, dSPDH15]. Fluid [AA15, CGSS18, FB15, HM17, JBO15, LVTR15, LG17, RW15b, SAK18, SDM+17, VALT16, AB17, ABG+15, AAI16, AMA15, AB15, BAK16, BHK15, BQCG17, BZ16b, BCM15b, Buk16, CM16a, CDM18, CH17, CV16a, CLGA17, CS15, CLM15, CM16b, CYW17, DG16a, DFGQ16, EST17, EKS15, ED16, ELH+16, FLV15, FRW16, FHA16, GLTB18, GLS15, GCCVCH18, HXL15, HSK+15, HM16a, IM17b, JSVD17, JK15, JS17, KE17, KC17, KM15, LT16a, LLD+16, LC15, LFR17, LGB17, LFDP16, LW17b, LSD+17, LY16c, LDG16, ML17, MAK15, MOAA15, MAM16, MC15, MMMS15, MK17, MRXI17, MM17, MKV+17, NFG15, NPC15, Niu16, NF17, NSK+16, NLW+16, PSS17, PH0+16, PR16b, PAL+16, PP17, PQR17, PME+15, RG15, RKGW17, RV16, RTG15, SSL17, Say17a, Say17b, BMP16, STW16, SMA+16, SS16c, SJH+15, TBC+16, TCA16]. fluid [WSP17, WCH+17, WB17, WC16, WS15a, WS15b, XDV17, XYF+17, YYY+16, YK15, YSF16, YXF+16, ZAK15, Zad11, ZPE+16, dJRP+15, dTP16, BAVC17, JSS15]. fluid-composite [BCM15b]. fluid-dynamic [EST17, MM17, WS15b]. fluid-dynamics [PQR17]. fluid-fluid [LS17+17]. Fluid-particle [HM17, KE17]. fluid-porous [NSK+16]. fluid-saturated [SSL17]. fluid-solid [YK15, YS15]. Fluid-structure [CGSS18, LG17, BHKS16, BQCG17, CM16a, CM16b, DG16a, DFGQ16, EKSS15, ED16, FRW16, KC17c, LC15, MMMS15, MKV+17, PH0+16, Say17a, Say17b, SMP16, SMA+16, WHC+17, WIC16, YXF+16, dTP16]. fluid-structure-interaction [LT16a]. fluid/liquid [MAK15]. Fluid/Level [VALT16]. fluid/thin [FLV15]. fluid/thin-walled [FLV15]. fluidic [MKV+17]. fluids [AJVH17, BHKS15, CFPB15, CSN17, DSH+16, Don15b,
Don17, DPRZ16, KKS15, KKS16, KBK15b, Liu16, PR16a, PS14, PS15a, SK15b, TOR+15, TL17, WE15, ZDGW16, ZYSW16]. **Flux**

[ALMJ15, AWJ17, HR18, LKSM17, Loh17, NMM15, ZN16, AHNF15, AMH+18, AEL+15a, AEL+15b, AEL+17, BMT16, BND16, CJL16, CLP16b, FKF17, FS15, GHL+15, HWH+16, HZL+15, KW15a, KKS16, KFL17, Kri17, LBZ16, LK16b, MS15b, NMM16, Ns15, STW16, Süt15, SST+15, TT16, TCL15, VV16, VDPP15, WSY15, WS15, WSHT15, WSY16, WSY16b, YSW15, ZJLC15, ZXL17, BK17a]. **flux-ADER** [NMM16]. **Flux-corrected** [HR18, LKSM17, Loh17]. **flux-dependent** [KFL17]. **flux-limiter** [ZJLC15]. **flux-reconstruction** [AHNF15, AMH+18]. **flux-split** [HZL+15]. **flux-splitting** [KKS16]. **fluxes** [DH18]. **fly** [EZG16]. **FMM** [YS18]. **foams** [SS16a]. **focused** [TSN16]. **focusing** [KLWQ17]. **Fokker** [FLT17, TC15a, TKC15, TCSM15, TCS15a, TCS16b, CLP15b, CM18a, CCL16, GJ15, GA15, HYK+16, KJ17b, SV17, SK15b]. **folded** [CLR15]. **Force** [HLU15, TP16a, ZLH+17, AAL15, BDK17, CFO18, DKPC15, DK15, KK15, LBB+17, SD16, VSM17, WG16a, YCS+17, Zau16]. **force-coupling** [DKPC15]. **force-field** [LBB+17]. **forced** [GTL18]. **forces** [CA16, GLTB18, GLMC16, LT15, LM16, NJPB17, YDCK16]. **forcing** [CK15a, Hig15, KLSF15, LC15, PPLC16, PV17, YS15]. **form** [ABH18, Del15, D15, DKK15, GWH16, JFS17, OWKE16, RO16, RSS15, SPP16b, W17, XWW+16, ZH16]. **formalism** [PD17, SD15, SSL+16, TSS17]. **formalisms** [OMLdL16]. **format** [GKMS17, LY15c]. **formation** [AZ17, GP17, SPM16]. **forming** [CLFL17, PR16b]. **forms** [AMH+18, PF15]. **formula** [DF16, LDOK17, PBK17]. **formulas** [Loz17]. **Formulation** [Kor17, Teu16, BVG+16, BSH17b, BB17, BC18, BS15a, CMH15, CGRV17, DG16a, DSH+16, DCP15, Don15b, DPRZ16, DB16b, DPRZ17, FRL15, GS16, GC17, HL16b, Jou15, Kim15, Lap15, Ler15, LHA16b, MN16b, MTD15, MR16b, NN17, NF17, PND16, QSB18, RG15, SDMS17, Sel15, SM16, SL16a, YTW15, ZHA17]. **formulations** [AG16, FKL17, JHPAT17, LGO17, RB15, SST+15, SU18, VS17, WRL16a]. **Fortran** [GBR15]. **forward** [RMA17]. **four** [RS16a, SD17, SS15]. **four-dimensional** [RS16a, SD17]. **Fourier** [GKE15, ALMJ15, DY17, Fer17, GSN16, GW17, HB15a, KFL17, MDVM16, MP16, MH17, ST15, SGT16]. **Fourier-spectral** [ALMJ15, MP16]. **fourth** [CG16, DL17, DLL+17, DL18, GH17a, GPS17a, GPS17b, pH15, LHMB16, PXL16, YC17]. **fourth-order** [CG16, DLL+17, GH17a, pH15, LHMB16, PXL16, YC17]. **FPDEs** [ZK15]. **fraction** [DB16a]. **Fractional** [KHP15, KADE15, KAD17, MK17, YPK16, ZK15, ZM16a, ASB+15, Ali15, ADH+16, ATZ16, AEAM15, AHKT17, Ata15, Beg15, BA15, BZ15, BB15, BSW15, BTW15, CF15, CC15, CH15, CN15, CL15, CP16, CWL+16, CV16a, Cui15, Die15, DMS16, DLL+17, DZ16, D17, E16, EAAM15, EE16, G15a, G15a, GMP15, HP18, pH15, HO15, HB16,
LMKS15, MJ16, MNO+17, MTJ17, NN17, OvdHVH16, PR16a, PP17, DM18, PBC+17, QWXZ17, SMOM+17, TCSM15, TH18, Xia15, ZLY15, MHL17. **Fully-coupled** [XDvW17, TH18, MHL17]. **Fully-implicit** [NLW+16, Del15, LLD+16, MNO+17]. **Fully-resolved** [WSP17]. **function** [AMN18, BR17, Cha16, CvK16, GBvZB16, GKE15, HXB15, HLTC18, Ike18, KMGR16, KW16, LB15, LC16, MG15a, MF17, MJ17, OD15, PD15, Sha17b, SP15b, TZZS17, WQZ15, WX18, XYPT16, YSW15, YC16, ZXL17].

**Fully-coupled** [XDvW17, TH18, MHL17]. **Fully-implicit** [NLW+16, Del15, LLD+16, MNO+17]. **Fully-resolved** [WSP17]. **function** [AMN18, BR17, Cha16, CvK16, GBvZB16, GKE15, HXB15, HLTC18, Ike18, KMGR16, KW16, LB15, LC16, MG15a, MF17, MJ17, OD15, PD15, Sha17b, SP15b, TZZS17, WQZ15, WX18, XYPT16, YSW15, YC16, ZXL17].

**function-based** [YSW15]. **function-generated** [MF17]. **function** [AMN18, BR17, Cha16, CvK16, GBvZB16, GKE15, HXB15, HLTC18, Ike18, KMGR16, KW16, LB15, LC16, MG15a, MF17, MJ17, OD15, PD15, Sha17b, SP15b, TZZS17, WQZ15, WX18, XYPT16, YSW15, YC16, ZXL17].

**function-based** [YSW15]. **function-generated** [MF17]. **function** [AMN18, BR17, Cha16, CvK16, GBvZB16, GKE15, HXB15, HLTC18, Ike18, KMGR16, KW16, LB15, LC16, MG15a, MF17, MJ17, OD15, PD15, Sha17b, SP15b, TZZS17, WQZ15, WX18, XYPT16, YSW15, YC16, ZXL17].

**future** [MSV+16]. **fuzzy** [ASB+15]. **FVTD** [BTGM17, BGTM18].

**G** [MBM+15]. **G-FDTD** [MBM+15]. **Gabor** [DvB17]. **Galerkin** [HGN17a, TRL15, ZN16, AG16, AM17a, AS15, ADK+17, BFI+16, BH16a, BFI+18, BDM17, BCJL15, BFT17, BD17, BCB17, BT15, CGQ18, CBA17, CGM18, CWM+16, TVB+16, ZLH+17].

**Galerkin** [Say17a, Say17b, Sch16b, SMP16, SLB+16, SZ15b, SDW16, SE16, Sti16, TH18, TSC17, TD16a, TD17, Ten16, TXKvdV15, TXKvdV16, UL16, URL16, VCNOP18, WW15, WZ15, WTGC16, WSN+18, WLE17, WWGK17, WQ15, WBm+15b, WH16b, WTX17, Xia15, XJLQ15, XL16, YY16, Zha16, ZLH+17, Zha17c, ZBZT17, ZT17, dFVJ15, vOMB17].

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

**Galerkin-mixed** [GS15b]. **Galilei** [GBU15]. **Gamblets** [OZ17]. **gap** [MHJ15]. **gaps** [QYF15]. **gas** [AA16, AEWV18, BLVC17, BTA17, CX15, CX16, CCL16, CCL15, DMAM15, DY16, DLR15, FSB16, GB16, GJ15, JZX18, KJ17b, LS15a, LVB+15, LLY18, LXS16, LK16b, MTZ16, PX15, PXLL16, PX16, PLWJ16, RXSG15, RXS16, RL18, STKH15, SXJ15, SXJL15, SST+15, SXJ17, TK12, TK15b, WLYX17, WZRZ15, XCD17, YSW15, YSW16, Yan17, YZZ15, ZCHS15, ZLY15, ZQCT15, ZXL17, ZZX16]. **gas-kinetic** [CX15, JZX18, LXS16, PX15, PXLL16, PX16, PLWJ16, RXS16, SST+15, SXJ17, WYLX17, XCX17, YSW15, ZXL17, ZZX16].
SIX16, XLL$^+17$, Godunov-like [MWB$^+15a$]. Godunov-type
[AAG16, MDP$^+15$, Rod17, XLL$^+17$]. Good [BRK17]. Gordon
[BZ16a, AMP15, LW17d, LIW18]. governed [MP15a]. governing [Beg15].
gPC [KKL15]. GPU [BBBG15, CWM$^+16$, HPY18, LXL17, RGW16,
SMAG17, SSL$^+16b$, TRM16, VWV17, XZZ15, dAC17]. GPU-accelerated
[CWM$^+16$, HPY18]. GPU-advanced [SSL$^+16b$]. GPU-based [LXL17].
GPUs [RTG15]. Grad [DCBK15, PKF16, RCRF16]. graded [Beg15].
graphene [BTA17, KM16a, LYDB17, RMC15]. graph 
[AT18, GY17, CY18, DDM18, ALT17, BMCK15, CPT16, DH18,
GO16, GGT15, PHE16, RYZ18, SXY18, SLL17, SZ15b, Stui17, SCS18,
TAR17, VYP15, ZVO15, dMRHJ17]. gradient-direction [GTT15].
gradient-driven [CPT16]. gradient-enhanced [PHD16]. Gradients
[WN17, Bat17, BHdD18, Loz17]. grafts [BFI$^+16$]. grain [BVM17b, JTR16].
grain-resolving [BVM17b]. grained [FOF15, HKKP16, KKP15]. grading
[CSCM16, MvKD15, SZK17, dICGCA17]. granular
[AG16, BVM17b, FNGDMNR18, IML15, LEB$^+17$]. graph [WQZ15].
graphene [BTA17, KM16a, LrDB17, RMC15]. graphene-reinforced
[LYDB17]. graphics [AAB$^+16$]. grating [FM15, ZS15]. gratings [HN17a].
gravitation [BLMY17, LX18]. gravitational [LX16, XCC17]. gravity
[vOM17]. gray [CG15, SJX15]. greedy [SKS17]. Green
[BR15b, BR16, Pop15, Chas16, GKE15, HLT18, LM15a, LC16, LC17b,
MTD16, PDI5, Stui17, TZSS17, VGF16]. Grey [DAM15, MR16]. Grid
[BO16, AZ16, ACJ17, Ani16, BGG16, CQ15, CXL16, CS16b, CLB$^+16$, EH14,
EH15, FGL16, FAZ16, FPD17, GHI17a, GCVM15, HK16a, IL15, IL17,
JW15a, KLA17, KP1G15, KS15a, KG1T, KLNH17, Kor17, KS16d, LML$^+16$,
LM17, LHM16, LKN17, MNG15a, MPFL16, MHZ$^+15$, MAH16, PGW16,
PLW16, PR16c, RR16e, SFT16, SP16c, SZF15, Tew15, VPM15, Vre17,
WDG$^+17$, WTGC16, HWE17, XLL17a, XSL15, YYL16, ZZKF15]. Grid-based
[BO16, RR16e]. grid-independent [WDG$^+17$]. grid-refinement
Grids [SYV17, ABH18, AB17, BST15, BHTT17, CTG16, CYL$^+16$, CLP16b,
DDJ18, DPO16, DL15, DBMB15, FGLW18, HL16a, Hu17, ICG15, IDSG15,
IM17b, JL17a, KF15, KW15a, KG15, KD17b, KSI17, LAL18, LGB17, LB15,
LYZ15, LY15b, LfZ17, LHF16, MM16b, MN15, MDHC15, MDM$^+15$,
MGB16, MHG$^+15$, MF16a, ML16, NOM$^+17$, NY15, NIS15, OLD17,
PXR17, PL16a, PNS1, Psl16, PFS16, PF15, PBC$^+17$, QDRB15,
QLF16, Rag15, RDG17, RSD17, RKO$^+17b$, RhR$^+15$, STK$^+16$, SS16b,
SwS16, SYV16, SY1V14, Stui16, WR15, WC1N15, WRL16a, WRL16b, WRPL17,
WWR17, WKS15, XX16, XDSX17, XX17, XL16, ZA15b, ZSW17]. Gross
[MBM$^+15$]. ground [ATZ16, BJTZ15]. group
[JPLL15, KA15, LWLC17, MWW16b]. growing [Bra16c]. growth
[DMS17, JTR16, RW15b, RTO15, YZW17, YCW16, dICGCA17]. GRP
[DL18, WW15]. Grünwald [MSBS15]. guaranteed [DWG16]. guided
[GBS15]. GW [LLVF$^+15$]. gyrokinetic
[CBB16, CB18, Ido16, KHC$^+16$, KY1PK515, YX$^+16$].
H [CC17a]. H-PCFE [CC17a]. Haar [ABP+16, AAE17]. haemodynamics [BFI+16, Gam15]. Hagström [AMP16]. Hagström-Warburton [AMP16]. half [AS16, GMP16]. half-range [AS16]. half-spaces [GMP16]. Hall [MAH16, SS17c]. Hamilton [DG16b, OS15a, ZQ16a, ZSQ17]. Hamiltonian [QHZ+15, CEF15, GAN+16, LW15b, LY16b, MW16b, MW17a, OLB+17, SCN+17, TSC17, ZZT+16, vOMB17]. handling [ADGN17]. hard [CT15, Cos16, KBK15a, SAH17]. hard-core [Cos16]. hard-sphere [CT15]. HARM [RKO+17b]. harmonic [DGL+15, ETAG15, RM16]. Hasegawa [HK15a]. Haut [AS17]. HDG [SCN+17]. HDMR [JL15]. heart [ANL+16, KDPK15, NCP+17, SBG+17]. Heat [FS15, CP16, DPRZ16, HG17, HDA+18, HC17, JL17c, MBHS17, STK+16, ST15, VBG16, WSP17, WED15, YK15]. heat-conducting [DPRZ16]. heated [KHP17]. height [OD15]. helices [XR17]. helicity [Suz18]. helicity-preserving [Suz18]. Helmholtz [ABFR16, BBF+17, BDK+17, CDC17, Cha16, CMH15, DLS15, EFHZ17, EG16, JHPAT17, LGB16, LQB16, NPRC15, OLV16, RSB16, SLR+16, SwS16, Sto16, TCD17, YL17, ZND16]. hemodynamic [ISP+15]. hemodynamics [DFGQ16, MSV+16]. Hermite [AS16, DL18, HXB15, LIW18, Nor15, TLQ15, TLQ16, YL16b, ZQ16a, ZSQ17]. Hermitian [VYP15, ZD15a]. heterogeneity [BRK17]. heterogeneous [ABG+15, BC18, BM16, BSWG15, BKKRB16, CGMH18, CFvKH18, DD16b, GVTQ16, HL15b, LKK17b, LZ17b, MRM16, MSH+15, NMC15, OV17, PXR17, PLHA18, PKA+16, RA17, Sch16b, Shu16, SYV17, TLQ15, TLQ16, TL15, VAD17, WL17, WT15, XJLQ15, AHN15, AD15, ALM+17, AMP16, APK16, ALMJ15, ANL+16, BD15a, BAGK16, BZ16a, BMR+16, BGG16, BFT17, BS16, BTT18, BFTVC18, CGQ18, CB16, CB15, CGMH18, CCK+17, CDL17, CQ15, CQL16, CS17a, CZ17, CVK16, CFST16, CLQ17, CLP16b, DWGW16, FDK17, FA17, FZAW16, FK17, FBM16, FK17, FHA16, FYO+15, hGwSzS15, Ger17, GGL+17, GGT15, GEZK16, GY15, HAPK15, HTZG17, HBR15, HW16a]. high [HN17a, HN17b, HLQ16, JZSX18, JTD16, KC17a, KCW17, KH17, KRVF16, KYW+16, KYY+16, Koug16, KFWK17, LM16, LMS17, Lap16, LPP+16, LAL18, Ler15, Lr15, LSWF16, LLL16, LW17b, LL16c, LGB16, LW16b, LW17c, LS18, LSW18, LKSM17, LQB16, LP17b, LS16, MS16b, MNG15b, MA17, MN16a, MK17, MDM+15, MA16, MSB+16, MMPS17, ML16, MB15, MM16d, NYNYM15, NNM15, NJ15, NN15a, NNW17, NL18, OLDN17, OS15a, PE16a, PP18, PKW17, PE16b, PBM18, PBC+17, QSB18, RXSG15].
RXS16, RGPS17, RSB16, STHW17, Say17a, Say17b, SL18, SWLZ15, STG17, SYV14, SLN15, SGT16, SGT17, Sti16, SK15b, Tao16, TK12, TK15b, TMI16, TMH18, Tre16, TGB16, TPK16, UG16, VPV+17, VN15, VWW17, VSM16a, VSM16b, VBF15, WW15, WLM15, WZ15, WSY15, WCN15, WRL16a, WRL16b, WTGC16, WRPL17, WSR15.

[WDGW17, WGME17, XQ17, YCPD15, YFJ17, ZP16, ZZK16, ZL15b, ZZZ17, Zha17c, ZED15, ZXL17, ZS17]. **high**

[CBB16, Fa17, WZ15]. **high-aspect** [Sti16].

[BGG16, CB15, CQ15, CVK16, FDKI17, FK17, Kou16, LLL16, LL16c, LW17d, TGB16, WCN15, WTC16, ZK16]. **high-energy** [LMH16].

[MS15c, MW16a, LSWF16, MS16b, PKW17, UG16, VBF15]. **high-frequency** [CDL17, CLQ17, HBR15, NNW17, Tre16].

[CDL17, CLQ17, HBR15, NNW17, Tre16]. **high-level** [ZED15].

[Hilliard-Brinkman] [GX15]. **Hinsberg** [CFO18].

[HLL] [Bal15, DL16a, FLW16, SW17a, VNA15]. **HLL-type** [SW17a]. **HLLC** [DG16a, LDG16, SYY16]. **HLLC-based** [Gor17]. **HLLC-type** [DG16a, LDG16, SYY16]. **HLLD** [GFW16].

**HLLL** [BN17]. **Hodge** [DPO16]. **Hoekstra** [XS15]. **hole** [KP15b]. **holes** [ABT17]. **HOLO** [CCK+17]. **homogeneous** [BGK17, DGP17, HWH+16, MPT16]. **homogenization** [AR16b, GO15, MVZ16, NGS16]. **homogenized** [LMM17]. **Homogenizing**
Improvements

Improving

in-depth

in-plane

include

Including

incompressibility

Incompressible

incorporated

increased

Increasing

Incremental

index

indistinguishable

induced

industry

industry-standard

industry

initial

initial-value

initialization

injection

inputs

inhomogeneity

inhomogeneous

initial

initial-value

initialization

initio

insoluble

insoluble

insoluble

Insilico

insoluble

instabilities

instability

instationary

Integral

Incompressible-compressible

incorporated

increased

Increasing

Incremental

index

indistinguishable

induced

industry

industry-standard

industry

initial

initial-value

initialization

injection

inputs

inhomogeneity

inhomogeneous

initial

initial-value

initialization

initio

insoluble

insoluble

Insilico

insoluble

instabilities

instability

instationary

Integral

Incompressible-compressible
SL16a, SO17, SV17, TP17, Tsa15, Tsa16, XZ15, ZGD+16, Zil15, aKT16.
integrals [BPF+16, LO16, Tsa15, Tsa16]. integrated [SSC+16].
integration
[BCM15a, BBBG15, BEQ15, EMSS17, FCL17, GZY16, GP16a, HEPG15, JZ16,
JFS17, LMS17, LLVF+15, MM16b, MTK+16, NDCB17, SXBB15, SAOW17,
TWN15, TW17, TC15c, WCN15, Web14, WBC+16, WHE17, ZJS15].
integrations [RMK15]. integrator [BZ16a, WSR15]. integrators
[CSS17, ETL17, FPASS16, GAN+16, KTG16, LW15b, LWL17, LIW18,
LTR17, Tao16]. intense [Vai15]. interacting [CGSS18, GBS15, SGMS16].
Interaction [CLM15, AMB17, BQCG17, BCM15b, Buk16, CGS18, CM16a,
CDM18, CH17, CM16b, CYWL17, DFGQ16, EKSS15, FLV15, GKMS17,
GLS15, HTBG15, KH15, KC17c, LTB16a, LC15, LLY18, LGD17, MTK17,
PHO+16, PR16a, Say17a, Say17b, SSL+16a, SA16, SGC+17, SMP16,
SMOM+17, SCS18, Vai15, WCH+17, Wic16, YXF+16, dTP16]. interactions
[ATZ16, BHK16, BJTZ15, BTA17, Cos16, DG16a, FRW16, HWH+16,
LML+16, LXL17, MKV+16, SMA+16, YS15]. interactive [CLFL17].
interatomic [TST+15]. intercellular [CFG16]. interchange [Sov16].
Interface [ABG+15, CNG99, DS15a, GZ17, GLTG15, GPG17, VK15,
AAL15, AMN18, APK16, ACS16, BJ15, CCHL15, CNG17, CTJ+17,
CWW17, DS15b, DF16, FB17, FMRZ17, GHR17, GLTB18, GWC18, GIY17,
GH15, HHA15, HWH+16, HTZG17, HG17, HLY15, HLSY16, HW15c, IM15,
JLC15, KTK15, KS16c, LSD+17, LSR16, LD15, LHA15b, MNG15a, MCC16,
MN17, MTZ16, MWYZ16, NFG15, OD15, PR17b, RW15b, RV16, Say17a,
Say17b, SA16, SHA16, SA15, VPM15, WSS+15, WL17, XLY15, XX17, XP15,
ZL15b, ZD15b, ZDGW16, TKB+15]. Interface- [DS15a, DS15b].
interface-capturing [WL17]. interface-correction [GLTB18].
interface-enriched [SA15]. interface-fitted [CWW17].
interface-interaction [SA16]. interface-sharpening [HTZG17]. interfaces
[ADGN17, AB18, BAR15, CZL+15, CSN17, CLM15, ELH+16, GHR16,
KKLS17, LMS17, MAK15, MF17, N17, OS16, PCN15a, PR16b, PS14,
PS15a, QDRB15, SMOM+17, WXW15, WB17, ZIL15, dFVJ15]. interfacial
[GOR17, LHA16b, Say17a, Say17b]. interior [Per17, OKE17, PKA+16, DM18, SL17]. interiors [BLC+17]. interlayers
[SSL17]. intermediate [PDS15]. internal [BD15b, BN17, Guo15, MCS16, vOMB17]. interphase [HG17].
interpolating [WLK+16]. Interpolation
[dPSS16, APP+16, BDG+17, BST15, DJD+17, FYO+15, HSC16, JWH16,
KAR17, KMG16, LB15, MWC16, MAP17, MBD15, NMA15, PJC16, PF15,
RDG17, WR15, WKEO17, XYPT16, ZWB+18, FFBB16].
interpolation-free [RDG17]. interpolative [BBB15, LT17b]. intersecting
[BPS17]. intersection [CZJ17]. interstitialcy [BBW16]. introducing
[TTN+16]. intrusive [BLO17, XYF+17, vdBKD17, NW17]. intuitive [ZW15].
invadopodia [GP17]. invariance [BP16, GHL15, LJT16]. invariant
[YZW17]. invariants [Hue15, LDHJ15]. Inverse [DD18, LBTCG16, LLL16,
LFT$^+$16, AJP15, BCSK17, BSK15, BGL$^+$17, BKL17, CT15, CGM15, CMW16, EZG16, FK17, GZY16, GRMK15, GWE$^+$15, GHH$^+$16, KE15, LW15a, LY16a, LMTC15, NKN$^+$17, Par15, RYZ18, TCD17, WLK$^+$16.

\textit{inverse-power-law} [CT15]. \textit{inverses} [For16]. \textit{inversion} [CS16b, LL15, LLY15, MKYZ17, MRP$^+$15, PKN17, PD16a, dFGS$^+$17].

\textit{inverting} [XL17b]. \textit{investigate} [MZ15, WPB15]. \textit{Investigation} [BR15a, CV16a, PKB15, VS17]. \textit{investigations} [ZZ17b].

\textit{inviscid} [BR15b, BR16, Loz17, RDG17, YSW15]. \textit{invisible} [Chu17].

\textit{involving} [Don15b, FSWW17, FS15, LGD17]. Ion \textit{acoustic} [CCZ15]. \textit{ion-electron} [MP16].

\textit{ionization} [CV16b, LYCC17, YCBC15]. \textit{ionization/recombination} [YCBC15]. \textit{ionized} [PMS15, Zoh17]. \textit{ionizer} [Fon16].

\textit{ions} [SPCH16]. IPDG [CLQ17]. \textit{irradiated} [HMBH15, TT17a]. \textit{irregular} [CXL16, GLTG15, LC18, LPGT16, LZT$^+$15, MDM$^+$15, YYN$^+$17].

\textit{irrotational} [LM16]. ISCAL [ALKZ16]. \textit{Ising} [PT17b]. \textit{Ising-like} [PT17b].

\textit{Isogeometric} [BLJ17, BG16b, HTMP17, KmdlB16, PXXZ15, PCX17, CRMP16, KC17c, LDL$^+$16, OWKE16, OKWE17, WKOE17, ZSX17].

\textit{isoperametric} [Pas16]. \textit{isothermal} [BLVC16, OTS17, TXKvdV15, XML17].

\textit{isotropic} [An17, SS17c]. ISPH [HKH$^+$16, KGS15, KHHN16]. \textit{Issue} [KHP15, KZ17, KZG16, Kat16, TM17]. \textit{issues} [NT15].

\textit{Ito} [AAPB17, HHCG15, Moh15]. \textit{Ito}-SDE [AAPB17]. \textit{iteration} [HB15b, KFL17, PBBK15, ZHLZ18]. \textit{iterations} [WZ17]. \textit{Iterative} [AA15, GLZ16, HKLW15, SHW17, AP16, AC16, BDK$^+$17, BDKK17, BSWG15, CCHL15, CDL17, CDC17, DGW18, DDV18, EAAM15, GWC17, KA15, L0u17, MM16a, MRP$^+$15, MVZ16, MBBKTH17, NNW17, Pea15, PE16b, PSP16, RMP18, SXBB15, SZ15a, SWK18, TKF17, WLWW17, WZL$^+$17, YS15, YLBL16, YL17, ZJL16]. \textit{iteratively} [HHLY17]. \textit{IV} [LXSC16].

\textit{J} [ASS17, CNG17, Dav15, Gho17, GBCF16, HGN17a, KYW$^+$18, MN17, PS15a, SWMD17a, SYV17, TK15b, ZJS15]. \textit{Jacobi} [ACCDA16, ACCCD$^+$17, AA15, BZ15, BDBEE15, DG16b, OS15a, PSP16, Ts16, VBL$^+$16, YM17a, YM17c, ZQ16a, ZSQ17]. \textit{Jacobian} [AB17, ALTR17, MTK$^+$16, SLN15]. \textit{Jacobian-free} [MTK$^+$16]. \textit{Jacobians} [OKE17, RQS17]. \textit{jet} [GP16c]. \textit{jets} [AMM$^+$15]. \textit{joint} [SGP17a, dFGS$^+$17]. \textit{Journal} [BR16, EH15, HSK$^+$15, Kat16, XS15]. \textit{July} [Kat16]. \textit{jump} [AMN18, HWH$^+$16, XZZ15, XP15]. \textit{jumps} [MNR17]. \textit{Junction} [CTM$^+$16]. \textit{Junction-Generalized} [CTM$^+$16]. \textit{junctions} [BLVC17, MLB16].

\textit{K-BKZ} [TBO$^+$16]. Kadomtsev [EO15]. \textit{Kalman} [MP17, ZH15]. \textit{Kansa} [PCF15, SLZ$^+$17]. \textit{Kapila} [tEDKT17]. \textit{Karhunen} [CN16, LC18]. \textit{KDV} [BNS17, EAAM15, LHQ16, ZHS18, dHIC16]. \textit{KdV-type} [LHQ16, ZHS18]. \textit{Keller} [ZM16a]. \textit{Kernel} [DJD$^+$17, FRO17, MOAA15, SPB17, BKP16, RFGSV15, VD16, YS18].

Kuroshio [YR15]. Kutta [BR16, O’S15b, BR15b, CCRdL17, CB15, JH17, MVK16, MW17a, MH18, NMC15, PP17, SLL17, WJD16, WB15a, ZT17].

L [EH15, XS15]. laden [AMB17, BKG15]. Lagrange [Bra16b, BMCK15, CG17, CS15, DDJ18, FG16, ID17]. Lagrange-Projection [CGK17]. Lagrange-remap [DDJ18]. Lagrangian [AGBL15, AB16a, BMR+16, BDM17, BS15b, BLD15, BDZ15, BD17, BKKJ17, CQ16, CGQ16, Cap18, CM18b, DL15, DB16a, DL15, DAO17, FBG15, FFJT16, FLW16, GMB16, Ger17, HAH16, KHC+16, KSSL18, KYP15, LS16c, LSTkM15, LCF16, MWB+15a, MWB+15b, NJ15, OMLdL16, OD17, PLB18, PBBK15, PZ15, PVB17, Ram17, SRBÖ17, SPB17, STL17, VL17, VS16, VSM16a, VSM16b, WSN+1].

lattice-Boltzmann [GBCF16, GBCF15, KGT15, LL16b, WGME17].
lattices [FST15]. Laurent [For16, GRMK15]. law [AP16, CT15, LYZ15, LY15b]. laws [BD15b, Bal15, BT16, BMRA+15, BK16b, BLD15, CHOR17, CS17a, Cho15, CTM+16, Del15, DL18, EFT15, FS15, FS17b, FHA17b, HLS15, HAH16, IC17, IDSG15, LMS17, LMBZ15, LSI16, MDVM16, MDHC15, MB15, NMM16, Nor15, PXS17, SW17a, SL18, SWZ15, SWLZ15, SW16, TLQ15, TM15a, TM15b, VNA15, ZP16, ZQ16b].

matrix-free [SWZ17].

matrix-exponential [SWZ17].

matrix-free [XLY15].

matrix-valued [LM15c].

matter [WPS17].

Maximum [BC16a, SWPS17, ADK+17, CHY16, CLTX15, GP16b, LSS16, MN16b].

maximum-principle-preserving [CLTX15].

maximum-principle-satisfying [SWPS17, CHY16].

Maximum-principle-satisfying [SWPS17, CHY16].

Maxwell [QHZ+15, ABH18, BV15, BCB15, BCJL17, CW16, CCZC16, CHZ16, CQL+17, Chu17, CEF15, DDD17, Del15, DGL+15, ETAG15, FAL16, GSN16, HJZC17, HHY15, Ism15, MM16b, PT17a, SZ15a, SL16b, SL16c, WR16, YJ17].

MBAR [XR17]. MBAR-enhanced [XR17].

MBO [JME18].

MCMC [AAPB17, BGL+17, CLM16, HYL17].

MD [WPB15]. MD-DSMC [WPB15].

MDF [Ger17].

mean [CRMP16, LC17a, SAOW17]. Meaningful [Cos16].

measurements [EST17, SNB+15].

measures [Opp17].

mechanical [GDFL17, KBG+15, KGP+17, LMC16, PD16b].

mechanically [ZSH17].

mechanics [BT17b, CGC17, DPRZ16, DPRZ17, FRL15, FFJT16, Jac17a, KGP+17, MSH+15, NRZS17, Sel15, YT17].

mechanics-based [KGP+17].

mechanisms [WPS17].

mechanical [FRW16].

mechanical [FRW16].

media [ABI17, AEVW18, An17, APKP16, BTGM17, BGTM18, BDMC15, BPS17, BC18, BCJL17, BSWG15, BKKRB16, CLQ17, CS17b, CLNH15, CvKH16, CvfKH18, FPT17, GFG+15, GH17a, GAS+18, HSK+15, HN17b, KJ17a, KL175, LP16a, LH15, LT15, LZ17, LNM15, MP15a, MVZ16, MTD15, ML16, OL16, PF16, SSL17, SPX+18, SWML17, SMT+16, SII16, TWH15, TAH16, VS17, Wy17, XML17, YJ17, YGEM17, YS17, YB17, Zad11, ZII17b, ZWUR16, dMRHJ17].

medium [BNM15, BKL17, CGMH18, DvB15, GCVVH18, HMI17, Iwa15, LTKA15, LH17b, LRGO18, M17N16, NH17].

MEEVC [PG17].

membrane [CJY15, GGT18, MT15, XR17, YM17b].

membranes [LAA16, MTK17, RG15, RAMB15, SMC+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, PWC18, SL18, Sla16, WBB16, APP+16, AB16a, AMS17, BHZ16, BOA17, BSM16, BD16, CTJ+17, CWW17, CHJT17, DRP+16, DwW15b, DMS17, Fid17, FGB15, FP16, GBR15, GBvB16, GSN17, HSI17, HIN+16, HLL+16, HDA+18, HK15b, HW16c, JW15c, KF15, KAR17, KLRT15, KS17, LSLA16, LS16b, LNM15, Lox17, MCW16, MW17b, MSB+16, NH17, NSB15, OKWE17, OD15, RBJS15, SRBO17, SYY17, Say17a, SYY17b, SKSB17, SW15, SFP16, Sub15, SJX17, SZ17, TVB+16, WQZ15, WDS15, WKOE17, XL17a, YH15, ZL15b, ZZ17b, ZJ18, ZHLZ18, ZL15c, dlAC17].

mesh-decoupled [OD15].

Mesh-free [SL16].

mesh-induced [HDA+18].

mesh-to-mesh [WKOE17].

meshes [APP+16, AAE17, ATF16, AM17b, BCST17, BD15a, BD15b, Bal15, BT16, BDZ15, BD17, BRW15, CGK17, CK17].
CWM +16, CHY16, CSN17, CLTX15, CMC17, DSH +16, DvW15b, DL16, DMTB15, EDMv17, FLHA17, Her16, HR17, Ism15, IM15, JBLO15, KKL17, KDPK15, LDL +16, LSLA16, LGM15, LLP +16, LVC16, LL16b, LJ16, LSZ18, MSD +17, MHS16, MWB +15b, MW17b, MM17, PX16, PM16, PR17a, PL16b, DDM18, QDH15, RB18, Rag17, RGW16, SAEF17, SL17, SWMD17a, SWMD17b, SWLZ15, SYM17, SXX16, TLQ15, TD16a, TD17, TC15b, TLR16, VST16, WVR16, WHY17, WWGK17, XP15, ZZZ17, ZQ17, ZXL17].

meshfree [AS17, SMLB15, ZZW +16, FPT17].

meshing [MMSS15].

Meshless [IKI15, BDB18, CLR15, DA17, TSH17, TMH16, TMH18, XYPT16, YHKPF17, YT15].

mesoscale [CFPB17, DOO17, SGC +17].

mesoscopic [FHE15, LYLK17].

meta [KS16b].

meta-models [KS16b].

meta-lms [DKTH15].

metal [CLFL17].

metallic [SSL +16a, VCNOP18].

metamodeling [SDJU15].

Method [ACGR15, BQCG17, CE17, Chu17, GFG +15, LFR17, MC15, RKO +17b, SMAG17, ABI17, AM17a, ARG +17, AMN18, AASRT17, ABG +15, AR16a, APR +15, ACCCD16, ACCCD +17, ALKZ16, ASB +15, AB16a, AMS17, AB18, ASS13, ASS17, AP16, ADK +17, ACS16, ACJ17, AT18, AB15, AAPB17, AB17, ALTR17, ANL +16, AJVH17, BCSK17, BK17a, BM15, BFI +16, B16a, BXY17, BGD +17, BJWZ17, BV15, BLA +15, BBF +17, Bat17, BBB +16, BC16a, B15, BC16b, BS15b, BAR15, BGG16, BFT17, BTA17, BTKK17, BLC +17, BHF15, BTWY15, BC16d, BFTVC18, CQQ16, Cai16, CZW17, CGQ18, CDM +16, CCHL15, Cap18, CFO18, CHT17, CDM18, CGM18, CHT17, CL17, CWWZ17, CYL +16, COV18, CSG17, CDN17, CLR15, Cho15, CLL17, CFST16, CB +16, CLQ17, CEL18].

method [CVG18, CPS17, CSK +16, CL17, CSH15, CLM15, CV16b, CM16b, CL16b, CLMZ17, CYWL17, CLNH15, CvKH16, CFvKH18, DM17a, DD +16, DCA +16, DC +16, DKPC15, Del15, DD17a, DG16b, DZ16, DS16, Di17, DLR15, DLR18, DF16, DH18, DMS17, DOD17, DAO17, DVP +16, DWW15, DLL +17, DL16, DvW18, EDC16, ESP17, ELE17, EKSS15, EKEB16, ELH +16, FR18, FGL16, FBL17, Fa16, FS16, FHS17, FMQR17, FG16, FCL17, FBF15, FNP17, FGLB16, FB16, FB15, FLHA17, FHA17a, FSM16, GSN16, GB15b, GP17, GGM15, Gam15, GYZ16, GH17a, GP16a, GLTB18, GPS17a, GPS17b, GHP15, GW17, GG15, GBD17, GN16, GWWC17, GCCV18, GEX16, GJ15, GZ18, GT15, GY15, GFW16, GHH +16, GY18, GP16c, GL17, HPY18, HL16a, HHA15, HWH +16, HXLL15, HS17a, HHR15, HB16].

method [HZL +15, HLL +16, HG17, HKJ17, HW16a, HP17, HM16a, HR17, HHC15, HMHB15, HL16b, HGN17a, HG17b, HJC17, HN17a, HN17b, HSC16, HHLY17, HZ17, HLU15, HLY15, HJ16, HLSY16, HXX18, HC17, HY15, HH15, HZ15, HSSZ16, H16, HW16c, HMRG16, Hwa16, H15, H17, IK15, IML15, IM17a, IN +17, JL17a, JKE +17, JSS15, JPLL15, JW16, JLC15, JST17, JL18, JLZ15, JL17c, JLFK17, JG16, JTD16, JJ17, KTN15, KKS16, KNS15, KC17b, KLSF15, KJ17a, KH15, KP15a, KKJB16, KJYC17, KL17b,
KDL15, KR17, KO17, KLNH17, KCS+17, KP15c, KK17b, KS16d, KLWQ17, KM15, LTB16a, LS15a, LMS17, LL15, LY15a, LM15b, LFRH17, LMG15, LML+16, LC15, LAL18, LPW15, LH15, LLS15, LFDP16, LBZA16, LW17c, Li17, LBTK18, LMBZ15, LXL17, LC17a, Lia16, LTTZ17, LLLS16, LLS17, LSD+17, LMM16, LTB16b, LC16, LC17b, LD15, LDWZ15]. method [LZT+15, LY16c, LY16b, LWB+16, LK16a, LW17e, LTXB17, LWY18, LYP17, LHGF16, LQ16c, LT17c, LZW+17, LHA15b, LSY15, LP17a, LWC17, LRG018, LMG17, MM16, MD17, Mac16, MAK15, MZAF17, MDVM16, MS16b, MG17, MK15, MD16, MA17, MST15, MPFL16, MRZG16, MHGM+15, MBST17, MTK17, MBD15, MCS16, Moh15, Mooc17, MF16b, MTK+16, MLMM17, ML16, MWYZ16, MN16c, MH17, MM16d, NVBD15, NWKC16, NPRC15, NLK+15, Noe15, NSL16, NLY+16, OT15, Ols15, OPHA15, OD15, PZNG15, PKLC16, PKLC17, PHHR17, PDDG+17, PCCG18, PL16a, PCF15, PSS17, PK17, PJC16, PPLC16, PW15, PKB15, PR16a, PR16b, PLL15b, PF16, PS15b, PR16c, PBKK17, PMB18, PZF16, PSP16, RB18, RVZB15, RBJ15, RG15, RS16b, RW15b, RZ17, RKGW17, RX15, RXS16, RAMB15, RTO15, RMC15, RS15, SY17, SPX+18]. method [SXBB15, SWS17, SPD+17, SP17, SSL+16a, SGMS16, SHA16, SWG+17, SKF15, SKF16, SGB+17, SHKL16, SA18, STM+16, ST17, Shal17b, SWMD17a, SWMD17b, SMP16, SWZ15, SW16, Sws16, SL15, SW15, SZW+16, SSM+17, Sh17, SL16a, SP16b, SL16y, SMA+16, SCS16, SY17, SO17, SPP16b, SML15, SA15, SSA17, SZ15b, SDW16, SZ17, SS16c, SMOM+17, SHW18, SG16, SG17, SF16, SHP+16, SCLG15, St117, SL16b, SPCH16, SWZ17, Sub15, SLZ+17, SG17, SG17b, SCS18, TWIN15, TCD17, TH18, TW17, TD16a, TD17, TSH17, TAH16, TST+15, TXKVD15, TXKVd16, TLL15, SQL+15, T5RO15, TT16, TO15, TM18H, TK17, UG16, VBG16, VCN15, VN15, VB15, VOG17, V16, Vre17, Wac15, WY17, WW15, WZ15, WSS+15, WDS15, WE15, WXX15, WSYJ16, WRL16a, WRL16b, WRPL17, WLLW17, W17, WCH+17]. method [WLE17, WMGY16, WSN+15, WP15, WSO16, WMS18, WHE17, WR16, WVGK17, WCCB16, WZR15, WH16, WL16, WYA+17a, WY17b, WTX17, XLY15, X15a, XZ15, XX16, XSX17, XX17, XY17, XP15, XHC15, XL17b, XXW17, XSL18, XM18, YY+16, YSC+17, YC15, Yan16a, YCPD15, YHQ15, YS15, YXF+16, YY16, YNN17, YF17, YS17, YZW17, YHKP17, YM17b, YY+16, YX15, YM15, YTW15, Y17B, YZZ15, YCS+17, YL17, ZP16, ZCS15, ZS16, ZND16, ZFZL15, ZS15, ZLY15, ZL15a, ZB15, ZL15b, ZD15a, ZLJ15, ZLL15, ZLL16a, ZLL16b, ZLL17a, ZSS+17, ZZ17, ZZ17b, ZD17, ZHA17a, ZJ18, ZVO15, ZBZ17, ZY17, ZSS17, ZYCK15, ZGD+16, ZZW+16, ZCL17, ZL15c, ZLX17, ZHW18, aKT16, dTP16, dhHC16, vdL1L16, BDV17, CG16, FPT17, GBS15, GAS+18, GLT15, LV15, TS15, TBLJ15, VAL16, dPSS16]. method-of-lines [SWMD17a, SWMD17b]. methodology [Cac15a, DKL17, FKDL17, KYU015, LSM17, MNG15a, MJ16, PB+15, RLV16, RDM15]. Methods [FFW17, JHPAT17, AAG16, And16, ADH+16, ALT17, AC16, AAPB17,
mixed [MKV’17]. mixing [BLG’16, WSN’15]. mixture [CZB’15, PS’14, PS’15a].
mixture-energy-consistent [PS’14, PS’15a]. mixtures [HHM’17, KL’17a, WZRZ’15, ZYSW’16, Zoh’17]. MLMD [IBML’16]. MLRPI [HSC’16]. MMALE [CZJ’17]. mobile [BVM’17b, RZ’15]. mobility [DD’16a, EJZ’17, MS’17]. Modal [HB’15b, GTL’18, SZ’15a]. mode [IG’15, LYY’18, ZLL’16b, ZLL’17a]. Model [BHST’17a, JL’18, LMP’15, NP’16, SS’15a, Sch’16a, AAG’16, ASB’15, AEL’15a, AEL’15b, AMB’17, AEWV’18, AZ’16, AP’16, Ama’15, APT’17, ADH’15, Ani’16, AMM’15, BHD’18, BFT’18, BH’16b, BM’16, BM’17b, BTVB’15, BLG’16, BCG’15, BG’16b, BTVC’16, CF’15, CBA’17, CPT’16, CS’16a, CL’16, CLY’15, CJY’15, CZL’15, CYS’17, CGS’15, CEH’16, CV’16a, CHS’17, CDV’17, DGO’16a, DPK’17, DKTH’15, DW’15, DCP’15, FB’17, FST’15, FK’17, FKY’15, GHM’15, GFL’17, GCVH’18, GGT’18, HXLL’15, HX’16, HK’15a, HLU’15, HLYQ’16, HW’15c, HW’16b, HW’18, Hwa’16, HY’17, Ido’16, IG’15, Jac’17a, JL’15, JS’17, KM’16a, KC’17a, KL’17a, KHP’17, KK’17a, Kor’17, KGB’15, KGP’17, KDPK’15, LVB’15, LS’15c, LZF’17, LT’17a, LW’17, LLY’18, LZT’15, LXS’16, LDG’16, LH’17, MMN’16, MG’15b, MP’17, MP’15b, MCHL’16, NMM’17, NFG’15, NMA’15, NCP’17, NKWC’16, NWZ’18]. model [OS’16, PD’17, PM’16, PS’14, PS’15a, PMGW’16, RKM’15, RKH’15, ST’16, SRBO’17, SN’15, SPD’17, SA’16, SAH’17, SD’17, SYY’15, SLB’16, SS’16c, SZS’15, TP’16a, TTD’16, TS’17, TD’16b, VST’16, VCNGP’15, WMY’16, WW’17, WSN’15, XWF’16, XZF’17, XZZ’15, YFKS’15, YCBC’15, Yan’16b, YHH’17, YZW’17, Yan’17, Ysl’17, YP’17, YY’17, YCS’17, ZL’15a, ZC’15, ZYSW’16, ZXL’17, ZWS’18, ZR’17, ZW’16, dSPDH’15, dPSS’16, tEDKT’17, ALA’16, JL’17b]. model-based [FK’17]. model-form [XWF’16]. model-order [ZWUR’16, dPSS’16]. modeled [STG’17]. Modeling [BBMN’18, CSY’15, DD’17a, DD’15, HFM’17, PKP’17, PMS’15, SSL’17, TK’16, AASRT’17, ANL’16, BB’17, BLL’16, BM’15, BH’16b, BHT’17, CF’16, CW’16, CP’16, CL’17, CFPB’17, Did’17, FB’17, FSK’16, GH’17a, GHR’17, GW’16, HHA’15, HGR’16, HS’15, HMBH’15, HKS’16, JTR’16, JH’15, JS’16, KZ’17, KSV’15, KS’16c, KZG’16, KW’16, LYLK’17, LHMB’16, LMK’15, LGD’17, LTXB’17, LMM’17, LYDB’17, LHA’16b, MKY’17, MF’17, MGK’17, MSV’16, MAH’16, MF’16a, NLF’16, NSK’16, PD’16a, RTO’15, SSL’16a, SBG’17, SMP’16, SCQ’16, SKB’15, TCA’16, URL’16, Vai’15, Vos’17, WB’17, XML’17, YYY’16, YLY’16, YPK’16, Zad’11, ZCHS’15, ZZDB’15, ZW’16, ZG’17, ZH’18, Zoh’17, dFGS’17]. Modelling [LZ’15b, RZ’15, YXF’16, ABG’15, BPGS’16, BB’15, DLI’17, FBC’16, KMS’18, Mel’18, MM’16c, SS’16a, SZF’15, TAJ’17, YSC’17]. models [ABP’16, AA’16, AS’16, ATF’16, BTD’16, BLVC’17, BH’16b, BK’16b, BKR’15, CT’15, CDM’16, CGK’17, CS’16c, CK’15T’15, CCM’15, CMR’16, DD’17b, FO’15, FPT’17, Gru’15, GH’17b, HAPK’15, Hig’15, HLQ’16, KMD’18, KKP’15, KL’17a, KS’16b, KBF’17, LM’15a, LK’17, LPW’15, LL’16, LPBR’15, MHX’16, MXL’16, MPP’15, MRX’17, MTL’17, ML’16, Niu’16, OTS’17, PK’17, PT’17b, RS’15b, RBL’16, SZY’16, SG’17, SFDE’15, SSO’15, ZWH’18].
SGA+15, TYD16, VM15, VBG+17a, VD16, WJD16, WTL17, WX17, XTS+16, YNW17, ZA15a, dBIM16, dGCAC17, DCP15]. modern [GFA+16].

modes [KP15c, Tre16, WYLX17]. Modification [BK17a, Lau17, Ols15].

modifications [WS16]. Modified [BDMC15, BTA17, MTJ17, SW17b, KDL15, PKB15, PR16c, SWS16, Svá15, XJ16, ZLL16a, ZLL16b]. module [SDH+16, SKG17]. MoF [CZ16, CZ17]. moist [ZA15a].

molecular [KP15c, Tre16, WYLX17]. Modiﬁcation [BK17a, Lau17, Ols15]. modifications [WS16]. Modiﬁed [BDMC15, BTA17, MTJ17, SW17b, KDL15, PKB15, PR16c, SWS16, Svá15, XJ16, ZLL16a, ZLL16b].

moments [LGB17, JSS15]. Moment-Based [ABM16, DPW+15, TC15a, TKC15, TLQ16, WYA+17a, WYA+17b, XX16, XDSX17, JSS15, MKC17].

Moment [ABM16, DPW+15, TC15a, TKC15, TLQ16]. Moment-of-ﬂuid [LGB17, JSS15].

Monge [ABM16, LGB17, RKO+17b, ZM16b, AS15, DPW+15, GHH15, HLQ16, LN17, Nor15, SBT17, SG17b, TC15a, TKC15, TLQ16, WYA+17a, WYA+17b, XX16, XDSX17, JSS15, MKC17].

Monte-Carlo [Mac16, BP18, Hig17]. MOOD [BLD15]. Morral [Tav16]. mortar [BBB+16, KK17a].

motion [AAD+16, BT17a, HXL115, LS16c, PZNG15, PGCG18, RTO15, SKF15, TOR+15, XL17a, ZB15]. motivated [FHA17a]. motors [SDM+17].


[BLK15, BB15, Del15, IBML16, JL15, KS16c, LCK16, MSS16, NFG15, Par15, PVPK17, RZ17, RHvR,+15, SDM,+17, ZLX17, ABG,+15a, AEL,+15b, APT17, AB15, BA15, BZ15, CPSF17, CXH15, CHZ16, CGP16, CHLZ17, Did17, FPASS16, FB15, FPT17, GEZK16, HYK,+16, HHA15, HMM17, HTZG17, HSb16, HHLY17, JLLZ15, JJ17, KHP17, KJ17a, KKL17, KLRT15, KSSL18, KLS17, KLWQ17, LLD,+16, LKB15, LLM17, LKK17a, LKK17b, LML17, LYY15, LW15b, LFDP16, LC17a, LK16a, LH17b, LHA16b, MZAF17, MBM,+15, NKN,+17, NLK,+15, Nor15, OT15, PPCK17, PK16, Par17, PLWJ16, PBA,+15, RP17a, RS17, RXSG15, RXS16, SPX,+18, SDJ15, Sha17a, SPM,+15, SS16c, SF16, SL16c, TC15a, TKC15, TCSM15, TCS17, TZ16, Tav16, VSM16a, VSM16b, Vos17, WDS15, WED15, XX16, XDSX17, ZKS,+15, ZPE,+16, dCGCA17, IBML16].


Multidimensional [BD15b, BN17, SWMD17a, SWMD17b, S11c, BD15a, BAGK16, BK16a, BTGM17, BK17b, BTGM18, BL15d, EG17, KD17a, Kay15, KS15a, MS15b, SJX17, SW16]. multidimensional-like [KD17a]. multidimensions [DLNR18]. multidomain [OVP15]. multifluids [SWPS17]. Multigrid [JX15, RM16, ANL,+16, BCB17, CXX16, CGC17, CV16b, FGLW18, ILLNS16, ILNS17, LRGO18, MR17, MM16c, MDDM17,
PHHR17, Pop15, DD17c, Sti16, WMYG16, YM17a. **Multigrid-based** [RM16, CV16b]. **multigrid-framework** [MR17]. **multigroup** [ACJ17, Her16, KWOE17]. **Multilayer** [Jou15, CDV17, FNGDMNR18]. **Multilevel** [KMS+18, CvKH16, CFvKH18, FDKI17, Gen15, HXX18, JC17, RS15b, SLR+16, XZ15, BC16b]. **multimaterial** [BMR+16, SDJU15, SO16, dBIM16, JSS15]. **Multimodal** [FK17, LL15]. **Multiparameter** [PGH15]. **Multiparticle** [AWS16]. **Multiphase** [MR17]. **Multiphysics** [JS16, CGM15, Sla16, TT17b]. **Multiple** [BW18, EARA15, Hig15, PBC+17, AN15, CC16a, CCZC16, DNBH15, FBL17, HMRG16, LK15a, LY16a, OMYvdP+15, PKW17, SGA+15, WBC+16, Xie15, YNW17, ZZDB15]. **Multiple-correction** [PBC+17]. **multiple-direction** [LK16a]. **multiple-relaxation-time** [OYvdP+15]. **multiple-resolution** [OMYvdP+15]. **multiple-scale** [LY16a]. **multiple-species** [SGA+15]. **Multiple-time-stepping** [EARA15]. **multiplicative** [DDV+15]. **multiply** [HN17a]. **multipole** [AC17, JDFS16, LLEK17, TCD17, YS18, ZGD+16]. **multipole-to-local** [YS18]. **Multiresolution** [BT17b, YT17, BCO+15, DBMB15, HW16a]. **multiring** [GFL17]. **Multiscale** [AASRT17, AEVW18, BLL16, BHTT17, CHT17, CCK+17, CJ17, GFG+15, GH17b, EE16, LYDB17, PD16b, SS16a, dMRHJ17, BZ16a, BM16, LL17, BRK17, CE18, CEL15, CEH16, CEL18, Cot16, CLNH15, DGW18, DD17b, DLR15, EZG16, ELH+16, JTR16, JL15, KKP15, KZ17, KAR17, KK17a, LPBR15, MVKD15, MGK17, MTL+17, ML16, NGS16, SM+16, SSO+15, SDW16, TPT16, TWH15, TAH16, TRL15, TL15, XCF17, YB17, Zau16, ZS16, ZZDB15, GAS+18, TKB+15]. **Multislope** [LGM15]. **multispecies** [TCS16a, ZL16]. **multispeed** [LMS15]. **multistep** [VK16]. **Multithreaded** [RB18]. **Multitrace** [JHPAT17]. **Multitrace/singletrace** [JHPAT17]. **multitude** [QLF16]. **multivalued** [FFW17]. **multivariate** [KM16b]. **Multiwavelet** [GCVMK15]. **Multiwavelet-based** [GCVMK15]. murmurs [SBG+17]. **MUSCL** [BR16, BR15a, BR15b, LMG15]. **musculo** [KBG+15]. **musculo-mechanical** [KG+15]. **MUSIC** [AJP15, PKLS17]. **MUSIC-type** [AJP15]. **myocardium** [VLP+16].

N [Gho17]. **NACA** [FW17]. **Naghdli** [LM15a, Pop15]. **Nagumo** [LZT+15]. **Nano** [Eva18, BLL16, CFPB17, HCW15]. **Nano-particle** [Eva18]. nanoscale [SSL+16]. **nanoparticles** [SAH17]. **nanopores** [MBBKTH17]. **nanostructured** [SU15]. **nanostructured** [HC17, VCNOP18]. **Nash** [TZ16]. **natural** [PKLC16, PKLC17, SL17, WSF17]. **Navier** [HW15a, AD15, AB17, BTD16, BTBV15, BHF15, BC16c, CHOR17, CS16c,
CYL+16, CDN17, CCKQ15, CLP16b, FWK17, FBW16, GTG15, HPY18, HTMP17, Ler16, LXC+15, LZB+15, LT17a, LM16, MFPL16, MHS16, MR16b, MN18, OvdHVH16, PG17, PXLL16, PX16, PCN15a, PCN15b, Pea15, PND16, PDRB17, PBBK15, PMB18, RDM15, SHLG15, SMS16, SLB+16, SLY16, SE16, Stii15, Stii16, Sva15, TD16a, TD17, TXKvdV15, TXKvdV16, UL16, WY17, WR15, XWW+16, YC17, YTW15, Zha17c]. Near [LWZ16, CV15, KW15b, LM15a, Liu16, LZL+17, MS17, Ols15, ST16, SX16].


LMM17, LAA16, LM15d, Mac15, MR16a, MC15, NKN+17, OTS17, OMYvdP+15, PM16, RS15a, RF18, STKH15, SDFA17, Str17, SS17c, WHL17, YSWW16, YZW17, YY17, ZB15, ZZ17b, ZLL+17b, ZS17, ABI17, AAG16, ASB+15, ADH+16, AM17b, BCB15, BS15a, BDBEE15, BR15a, BK16b, BC16d, CM15, CW16, CWL+16, CY17, CSG17, CLGA17, CELI15, DM17a, DS15a, DLNR18, Dod17, Don15b, DSL15, DBMB15, EH14, EH15, FNGV18, FW17, FB15, FFJT16, FPV18, GB15a, GP16a, GO15, GLS15, GN16, GEZK16, GGT16, GFW16, HPY18, HW15a, HO15, HZL+15, HM16a, Heu17, HH17b, Hu17, IM17a, Jac17a, JSVD17, JL16, numerical [KTN15, KGT15, KLNH17, KCS+17, KHC+16, KV16, Lp16, LVB+15, LE16, LRA17, LS15b, LZ15a, LWI17, LB16, LFT+16, LSF15, LP17b, MOA15, MS15c, MW16a, MST15, MHZ+15, MN16b, MTK15, MTK17, MA16, MW15, MC17, NM15, NMM17, NPRC15, NLFM16, NN18, NT16, PC16, PS14, PS15a, PT17a, PZF16, RW15a, RMK15, RL16, RZ15, SY16, SPD+17, SSL+16a, SWML17, SAK18, SYY15, SLL16, SYM15, SP16b, So16, SD16, SPRW15, SK15b, SU18, Svi15, TM15a, TCL15, UWH17, Vai15, VPM15, VST16, VLP+16, WNBC16, WCL15, WTL17, XYT16, XLL+17, X51, XML17, Yan16b, YFJ17, YM17b, XYY+16, ZCHS15, ZSP15, ZHS18, BFFB17]. Numerically [LDHJ15, Vab15, LZ16]. Numerics [KHP15, LLS15]. Nunziato [CHS17, DG16a, FRRV16, LDGH16, TT16]. NURBS [SNSG16]. NURBS-based [SNSG16]. Nyström [APK16, CCZC16].

operator-splitting \cite{KV16}. operators \cite{DBZ17, DWGW17, DY17, LN15, LKN17, MN04, MN17, Mat17, MO18, OKE17, Pei16, ROS16, ROS17, Vab15}.

optical \cite{BCJL17, KLWQ17}. optically \cite{BL16}. optics \cite{BM15, WT16}.

Optimal \cite{FYZ15, KDF15, LHMB16, OKE17, RG15, VL15, YYL16, BMRA15, BDB17, BRW15, ETAG15, FPASS16, GS15c, MM17, MN17, Mat17, MO18, OS16, OS17, Vab15}. optimally \cite{BLL16}.

Optimization-based \cite{DRP16}. Optimized \cite{Bra16c, DZR18, JLC15, KGS17, LTXB17, SZ17, YWHP15}. Optimizing \cite{TLR16, CFO18}. Optimal \cite{FYZ15, HKJ17, MH18, MKV17}. Optimised \cite{RSH17, LH17a}.

Optimisation \cite{FYZ15, HKJ17, MH18, MKV17}. Optimisation \cite{DRP16}. Optimisation-based \cite{DRP16}.

Optimization \cite{DP16, GH15, RBD16, BMPS18, BDB17, CGC17, CWWZ17, DBD17, EFHZ17, Fid17, FBC16, FC16, GGW17, KKK15, KPKG15, LLY15, Loz17, MMS15, NPL16, PPCK17, STHW17, TZ16, TMH16, TD16b, Wal16, YYY16, ZPL16, ZHW18}.

Optimization-based \cite{DRP16}. Optimized \cite{Bra16c, DZR18, JLC15, KGS17, LTXB17, SZ17, YWHP15}. Optimizing \cite{TLR16, CFO18}. Orbital \cite{SPCH16}. orbital-updating \cite{DP16}. orbitals \cite{DLY17}.

Order \cite{DS16, SYV17, TRM16, AHNF15, AD15, APP16, AD17, AM17, AM17, ABFR16, ATF16, APKP16, An16, ADK17, ABH18, ABR16, ALM15, Ata15, BTD16, BD15a, BGS16, BAGK16, BGT17, BG17, BNM15, Bat17, BM16, BR15a, BHE17, BND16, BFT17, BST15, BK16b, BDZ15, BSM16, BAF16, BTT18, BC16c, BCG15, BFTVC18, C15a, C15b, CGQ18, CC15, CGMH18, CCK17, CLY15, CLC16, CT16, CJ16, CHY16, CWL16, CS17a, CZ17, C17, CHJT17, CLX15, CLT15, CST16, CC16c, CG16, C16, CCM17, CLP16b, CCG17, DS15b, DPO16, DBZ17, DNAH15, DWGW16, DL17, D15, D17, DM17b, Don15b, DVP16, DLL17, DL18, DFR16, DFRZ17, DKK15, EMSS17, Fal15, F17, FAZ16, FWK17, FYZ15, FBM16, F16, FRRV16, FHA16, GP17, hGwS15, GZ16, GH17a, GPS17a, GPS17b, GS16, GGL17, G17, GBCF15].

Order \cite{GB16, GGT15, GE15, GL17, HW15a, hHzSr15, HB16, HSLQ16, HZG17, HBR15, HW16a, HN17a, HN17b, HLQ16, HHY16, HW16b, HC18, Ism15, IDSG15, JLS15, JZS18, JH17, JFS17, JTD16, JC17, KMD18, KC17a, KW15a, KRF16, KYW18, KYW18, KFW17, LMS17, LBTC16, LK17, LN17, LSL15, LLP16, LAL18, LPW15, L15, Le16, LX16, LHMB16, LMC16, LW17c, Li17, LC17a, LG16, LZ17b, LS16c, Liu16, LW17d, LTXB17, LSZ18, LIW18, LKSM17, LAK16, LP17b, LS16, MR16, MZAF17, MNR17, MNG15b, MR16a, MA17, MN15, MN16a, MR16, MDC15, M17, MW16b, MP17, N17a, MP15, MB18, MRX17, MA16, MMPS15, MB15, MM16d, NNM15, NNC15, NJ15, NN15a, NL17, OL17, O15, OLHD17, OWKE16, O17, PX16, PX16, PX17, P18, PBA16, PP18, PE16b, PMB18, PBC17, RXS15, RXS16].

order \cite{RSB16, RA17, Roy15, Say17a, Say17b, Sch16b, SL18, Sha17a, SM16, SWLZ15, S16, Shu16, ST17, SYV14, SF15, SLN15, Spe15, SN15, SGT16, SGT17, Sti16, TLQ15, Tao16, TLQ16, TL15, T12, TK15b,
Tie16, TMH16, TMH18, TD16b, TKP16, URL16, VPV+17, VN15, VWV17, VSM16a, VSM16b, VAD17, VK16, WW15, WLM15, WXW15, WRL16a, WRL16b, WRPL17, WSOW16, WKOE17, WR16, WSR15, WL17, WT15, Wu16, WTX17, XYF+17, XJLQ15, XQ17, YC17, YCPD15, Yan16b, YFJ17, YH17, YLA15, ZP16, ZK15, ZL15b, ZC15, ZZZ17, Zha17c, ZeSK15, ZY17, ZXL17, ZQ16b, ZS17, ZQ17, ZWUR16, dPSS16, order/low [CCK+17].


DL17, HL15b, HHL17, LW15b, LTR17, MJ17, NVBDV15, PR16c, Shu16, SGL17, TSC17, Wu16, ZIL15. Peaceman [SwS16]. PEC [HGR16].

peeling [WSH17+]. peeling-ballooning [WSH17+]. peer [LH17a].

penalization [EKSS15, GWC17, HKLW15, SHW17, TK15a]. penalized [SZ15b]. penalty [CM16a, Fer17, GSN16, OKE17, DM18].

penalty-projection [CM16a]. [CSK16, MSP15]. continuum [SSDN15].

decay [YCBC15]. DEIM [SSN15].

deexcitation [YCBC15].

dynamically-orthogonal [BCSK17]. embedded [Choi15]. explicit [CB15, Tie16].


Gross [ATZ16, ABR16]. IB [PZNG15]. kinetically [FGL16].

kriging [MS16b]. Level [VALT16]. low-order [CCK17+]. Monte [GDS16+].

Moulton [ZM16a], Octrees [GTG15]. PDEs [OZ17]. recombination [YCBC15]. SE [WMS18].

singletrace [JHPAT17]. spectral [CLC16].

stochastic [TAJ17]. thin-walled [FLV15]. TRT [KGT15].

under-resolved [MMP17]. Yin [ZA15b]. penetrable [APK16]. Perfect [WWRS17, FSB16].

Perfectly [DZR18, SJH15+]. BJK17, CMH15, DKK15, GTL18, Par15, Par17, PD16b, DCCC16]. perform [Bra16c]. Performance [Par17, ZWG17, DLN15, ETL17, HAPK15, MC15, PKA16, RGPS17, SY17].

periodic [BB15, DCA16+]. DJV18, DKT15, GS16, HN17a, LKB15, LB16, MV16, NL15, ST17, SHW18, SWZ17, ZHS18, Pan15].

permeabilities [MTK15]. permeability [BDM15, MTK17]. persistent [WW16]. perturbation [CDM16, HN17a, HN17b, SY17, UG16, WHCN17, YM17c].

perturbation-method-based [CDM16]. perturbative [Fal16].

perturbed [CAA18, GRMK15, SP15a, ZG18]. Peshkov [Jac17a].

petroleum [TH18]. Petrov [CBA17, RDM15, SDW16]. Petviashvili [EO15].

Phase [BG16b, HW15c, LJJ15, ZW16, ACR15, AASRT17, ABC15, Aini16, AT18, AB15, BCST17, BGN15, BAVC17, BG15+15, BR17, BK15, BKKR16, CDM18, CG17, CJYZ15, CS16c, CKQ15, CYS17, CS17b, CG16, D16a, DD16a, DD15, DGMT17, EHX15, FGL16, FB17, FMR17, FCD17, FPT17, GGL17, GHL16, GGT18, HHA15, HMM17, HBR15, HSB16, HTMP17, HW16c, HTBG15, JTR16, JS16, JS17, KJ17a, KS16c, LVR15, LSL15, LRA17, LPG16, LMY17, LSD17, LYT15, MNG15a, MN16b, NPR15, NLW15+16, OSL17, OT15, PK15, PS15a, PS15a, PBM17, RV16, RTO15, RZ15, SPX18, SHA16, Sha17a, SYY15, SLL16, SUZ18, TH18, TK15a, TTV16, VS17, WDJ16, Wic16, WKK15, W16, XSL16, Yan16b, YH17, YSY17, YY17, ZZ17b, ZHL18, ZYS16, ZYCK15, dJR15+15, tEDKT17].

phase-based [NPR15]. phase-dependent [DD15].

phase-field [BG16b, CJYZ15, CS16c, CKQ15, GGT18, JTR16, LMY17, LY16c, OSL17, PK15, SLL16, Wic16, YY17, ZHL18, ZYS16, ZYCK15].

phase-field-lattice [RTO15]. phased [SFDE15]. phaseless [ZZ17a].

phenomena [Fon16, LAK16+16, RSH17, SCN17]. phenomenon
phonon [GW16]. phonon [LBZA16, Rod17, VBG+15].
photon [BCG+15]. photocatalysis [HVR16]. photonic [DBD+17, ZZW+16]. photonic [MHJ15].
photoelectrochemical [HGR16]. photoelectric [HS17a]. photovoltaic [BCG+15].
physalis [SP16a]. Physics [ASS17, CNG17, Dav15, Gho17, GBCF16, HGC17, KYW+18, MN17, PS15a, SWMD17a, SYV17, TK15b, ZJS15].

[Don15b, CHZ16, HS16, LS16b, LLY18, SAH17, WT15, WT16].

physical-based [LYL18]. physical-constraints-preserving [WT15].

physically [HKS+16, PA15, WED15].

physics-informed [XWW+16]. physics-motivated [FHA17a].

physiological [BC16a]. PIC [CC16a, DTA+15, MC16, MAM16, SWHK15].

piece [LTKA15]. piece-wise [LTKA15]. Piecewise [VDP15, BMP18, MN17, TD16b, YL16, LFR17].

pin-based [CLL17]. pins [PBA+15]. pipelines [BLVC16]. PISO [NSK+16].

Pitaevskii [ATZ16, ABR16, MBM+15].

placement [NHM17]. Planck [HYK+16, KJ17b, TC15a, TCK15, CM18a, CCL16, FLT17, GJ15, GAJ15, LW17e, SV17, SK15b, TCSM15, TCS16a, TCS17].

plane [CV15, DBD+17, IG15, OLHD17, PDdG+17, RYZ18, ZZW+16]. plane-wave [PDdG+17]. planet [LML+16]. planet-plasma [LML+16].

planetary [BLK+17]. planar [CDM+16, PUA+15]. planar-based [PUA+15].

plasma [AMA15, BZ16a, BJK17, Bra16a, DS15a, DD17b, DNOP15, ESGS17, FH17, GDS+16, HYK+16, HR17, IKI15, KHTZA16, KS18, KHC+16, LML+16, MP15b, MP16, RKH15, SZ17, SS16c, SJH+15, TC15d, TSH+15, Ya16a, ZZDB15, GFA+16, MAM16]. plasma-lunar [HWH+16].

plasmas [CBB16, Hig17, JHT+18, KKS15, KKS16, LLD+16, MNO+17, PMS15, PC16, SP16c, TBC+16, WCCB16, ZG17, dSPDH15].

plasmon [MML17]. plastic [CHJT17, Heu17, KTK15, KDL15, WTL17]. platelets [ZGDB15]. platform [NRZ17, TC15d].PLIC [LHG16].

PNP [FYZ+15, PKN17, WSOW16]. PML-truncated [PKN17].

POD [MBBK17]. POD-Galerkin [BBF+16]. POD/DEIM [SSN15]. POD/kriging [MS16b].

POD-Galerkin [BBF+16]. POD/DEIM [SSN15]. POD/kriging [MS16b].

Polycaré [DV+15, HS17a]. point [AEL+15a, AEL+15b, AMB17, DDJ17, DZ16, GS15a, HM16b, HSC16, JL18, KR17, MBW+15a, MBW+15b, PCJ16, POS16, PR16c, WX18, XM18, ZZS+17, ZD17, Vog17]. point-centered [MBW+15a, MBW+15b]. point-kinetic [DDJ17]. point-particle [AMB17, HM16b]. point-value [XM18]. points [DZ16, LTXB17, Tnu15, WN17, XL17a]. poisson [ZG17, And16, AC17, BLA+15, Bat17, BPTA16, BD16, CGQ18, CLM17, DBMB15, DWZ18, EG17, EL17, GWC18, HW16a, JTD16, LY15a, LW17e, MDVM16, MN17, NN15b, PKJ+18, RBJ18, SMLB15, SC16, SHW18, St16, WSJY16, XJ16, YM15, YM17c]. Poisson-like [NN15b]. polar [AM17b, RBJS15, VBL+16]. polarized [ZND16]. pole [THL15].
Predictive
predictor
predictor-corrector
predictors
Preface
prefactored
prescribed
presence
Preservation
Preserving
pressure
pressure-based
pressure-density-based
pressurized
Primal
primal-dual
Primal-mixed
primitive
principle
principles
prior
priori
prisms
probabilistic
probability
probing
problems
Problems
problems
SMLB15, SDW16, SP15b, SPM16, SCS18, WWRS17, WED15, WSF17, XZ15, YK15, ZP16, ZILZ15, Zha16, ZLL16a, ZGJ16, ZSW17, ZG18, ZVO15, ZTT+16, ZHW18, dFJN16]. **procedure**

[BBKS16, EH14, EH15, ED16, GB15a, JLC15, KKL15, LFT+16, MRK15, PK16, RÖS16, SW15, XS15, dFVJ15]. **procedures** [HHM17, OS16]. **process**

[BBW16, CDM+16]. **processors** [AAB+16]. **produce** [WDG+17]. **product** [DM17b, PP18]. **production** [Bra16b]. **products** [CC17b, CSY15]. **profile** [ZS15]. **profiles** [WG16a]. **Progress** [TM17]. **projected** [VYP15]. **Projection**

[dFJN16, BTD16, BVG+16, BPF+16, BFTVC18, CBA17, CM16a, CDM18, CBN+16, FK17, FSB16, GMP15, GTG15, HTBG15, LT16a, PKLC16, PKLC17, RS15, TG17, UL16, WE15, WYA+17a, WYA+17b, CGK17]. **projection-based** [BTD16]. **projective** [LMS17]. **prolate** [HXB15, LC18]. **promising** [ASB+15]. **proof** [EBQ15]. **propagation** [CGMH18, CBB15, Ch17, CLQ17, FKR16, GFG+15, HL16b, IPSG15, Kim15, KLRT15, LT16b, LMI17, MP15a, MS16, MSH+15, MH17, PS15b, POS16, RA17, RSH+17, SCN+17, STEK17, SS17b, TBG16, WLE17, ZLL17a, ZZ+16, ZZUR16]. **propelled** [SCQP16]. **Proper** [TSST16, DA17, KPKG15]. **Properties**

[LP17b, AF18, CCRdL17, CHZ16, GO15, GDFL17, Ism15, KGS17, LJT16, MT17, NR17, PWP15, VV16, VLTPS16]. **Properties-preserving** [LP17b]. **property** [FHA17b, GWK16, SZ15]. **proposal** [KGS17]. **propulsion** [Moo17]. **protein** [XR17]. **prototype** [SSC+16]. **pseudo**

[BCSK17, GWWC17, HLU15, KW15b, KADE17, WS15a, dHC16]. **pseudo-compressible** [WS15a]. **pseudo-convergence** [KW15b]. **pseudo-inverse** [BCSK17]. **pseudo-potential** [HL15]. **pseudo-spectral** [GWWC17, KADE17, dHC16]. **pseudopotential** [H16b]. **Pseudospectral** [NGY+17, HXB15, MH17]. **pseudospectral/discontinuous** [MH17]. **pulse** [DHC16]. **pulses** [TSN16]. **purely** [Cap18, YJ17]. **Purkinje** [PVFN15, VLP+16]. **purpose** [AVT17]. **pursued** [TK16]. **pyramid** [WH17]. **pyramidal** [JG15].

**QTT** [BDKK17]. **Quad** [GTG15]. **Quad/Octrees** [GTG15]. **quadratic** [HLTC18, TD16b, WT16, XX17]. **quadratization** [YZW17]. **Quadrature** [Tsa15, ZGJ16, CS17a, EE16, GN16, Nis15, NL17, RF18, SS17a, Spe15, SGP17b, XX17, ZSP15, aKT16, RKO17a]. **quadratures**

[AS16, Tsa16, ZNX15]. **quadrilateral** [Rag15]. **quadtree** [Pop15]. **quadtree-adaptive** [Pop15]. **quadtrees** [Bat17]. **quality**

[FAZ16, KF15, WQZ15]. **Quantification** [KBK15b, AKZ16, AÁPB17, CC17a, CE18, CQ15, HAPK15, KR16, KCS+17, LS15, LLL16, MBNJ16, MS16b, MSS16, MSc16, RS17, WL16, vdBK17]. **quantify** [CEL15].


[Bon17, LH17a, MDT16, SR16]. registration [ZC15]. regression
[ARG+17, LLL16, NP16, PVPK17, SX16]. regression-based [LLL16].
regular [KGT15, MDM+15]. Regularization
[WSU+15, BKL17, GZ17, HW16a, KGS17, LT17c, LEB+17, SHW18].
regularizations [HNS16]. Regularized
[VD16, WGME17, WCVF16, CV15, NL15, SNB+15]. regularly [YFKS15].
reinforced [LYDB17]. reinitialization [CD17, JH17, PLHA18]. related
[LS15b]. relation [NG17, SL15, YWHP15]. relations [STR15]. relationship
[WS16]. relative [MCHL16, Opp17]. relativistic [BAGK16, BK16a, CKT17,
ION+17, KFF+17, QSY16, Sei15, Teu16, WT15, ZT17]. Relaxation
[ACCCDA16, ACCCD+17, AIP17, APT17, CDN17, FBL17, GSN17, HHM17,
LMS17, LMSK17, MG15a, NGS16, Xie15, ZL15c, AC16]. relaxed
[EN17, YM17a]. relaxed-Jacobi [YM17a]. reliability [KM17]. remap
[BMC+18, DDJ18, Bra16b]. remapping [CZJ17, SO15]. remeshed
[HKLW15, RHvR+15]. remeshing [BKKJ17, PA15]. Removal
[KW15b, CMR+16]. removing [AR16b]. renormalised [BDB18]. replica
[BLS15]. Reply [EH15]. represent [MVKD15]. representation
[DOO17, JL17b, LC18, LY16c, SG17, TG17, XX17, ZKFK15].
representations [BBB15, LTR16, RBD17]. represented [ML16].
Reproducing [FRO17]. repulsion [LY15c]. rescaled [MTD15]. Rescaling
[Bon17]. RESCU [MRZG16]. Research [TM17, AK17]. reservoir
[AVT17, QWXZ17, vdLJLV16]. reservoirs [ABG+15, DGW18, TH18].
Residual [CEL15, AD15, BC16a, CC16c, CLGA17, CLNH15, IC17, KSSL18,
LW17a, LS16, MN15, OKWE17, PHRA16, Ric15, ZD15a, ZM16b]. residual-based [KSSL18]. residual-distribution [MN15].
Residual-driven [CEL15]. resilient [LKK17a, LKK17b]. resistive
[DNOP15]. Resolution [MMW15, AWS16, ANL+16, BTGM17, BGTM18,
BP18, BLK15, FHA17b, il15, il17, KH17, KK17b, LKK17a, LW17b, LZZS15,
NYNYM15, OMYvdP+15, PE16a, RHvR+15, SM+17, SZS15]. Resolved
[SP16b, CMR+16, Kim15, KCS+17, KBG+15, KSI17, MSP15, MMS17,
SMOM+17, Vrel17, WSP17, ZLY15]. Resolved-particle [SP16b]. resolving
[BVM17b, BCG+15, MMS17, SKG17]. Resonance [CLL17]. resonant
[DS15d]. respect [TVB+16]. response [BLS16, GTL18, LWLC17, ST16]. restrained
[TR17]. Restricted [Mac16]. restriction [ML16, SMT+16].
restriction-smoothed [ML16]. restrictions [DvW15a]. result [DvW15a].
retrievals [SNB+15]. reversal [SSM+17]. reverse [BT17a]. reversed
[WSOW16]. reversibility [GKRB17]. reversible [PD15]. review
[GFO18, MGKG17, ZJLC15]. revised [FDS+15]. Revisiting
[AAT16, LM15b, LDKK17, VPV+17]. Reynolds [BBKS16, DCP15, Eva18,
LZB+17, NL18, WSY15, WGME17, XWW+16, ZV16]. Reynolds-averaged
[LZB+17, XWW+16]. RG [SFT16]. rheology [FNGDMNR18, SHP+16].
rheology-IBM [SHP+16]. ribbed [MF16b]. Richardson
[ACCCD+17, ABFR16]. Riemann
[CTM+16, RZ15, Ama15, BD15a, BD15b, Bal15, BAGK16, BK16a, BVG+16,


Scalable [GBS15]. scales [Hig15, MMW15, SDJU15]. scaling [JLQX15, LL16a, LY15c, LY17, LT17b, NN18]. scalings [JXZ15, JL17c].
scatterers [CR17, CCZC16, DKTH15, JHPAT17]. scattering
[AJP15, AN15, APKP16, BABD16, BXY17, BNMI15, BKL17, CDL17, CHE+17, DCCC16, DvB17, DDV+15, FM15, GMP16, GHJ15, GHH+16, Hig17, HN17a, KE15, LKB15, LGO17, LW15a, LB16, LBB+17, Par15, PLL15b, UWH17, ZFZL15, ZFa17a]. SCDM [DLY17]. SCDM-k [DLY17].

Scheduled [ACCCDA16, ACCCD+17]. scheme
[AIP17, AdBC16, Ali15, AS15, APKP16, ADH+16, AA15, ATC17, AHKT17, BHJT16, BAGK16, BK16a, BEJ15, BK17c, BT16, BSWG15, Bon17, Bra16a, BCM15b, Buk16, BRK17, BMC+18, CGK15, CX15, CXL16, CTG16, CHJT17, CC16c, CV16b, CHS17, CCM17, CDV17, Cui15, DGW18, DDJ17, DLT15, DS15c, DMTB15, EMSS17, FDS+15, FLT17, FSB16, GOR17, GHR17, GBM16, GGL+17, GHL15, GHL+16, GX15, HW15a, HW15b, HWA15, HAH16, HC18, HEB15, Ism15, IDSG15, Jac17a, JME18, JW15c, JS17, JC17, KGS17, KHC+16, KV16, LLP+16, Ler16, LL16b, LHM16, LT17a, LSTK15, LMKS15, Liu16, LSX16, LM15d, LHQ16, LI15, MLI17, MNG15a, MN15, MBDCF17, MJ17, MSB+16, MBM+15, NMM15, NF17, NT16, PX15, PXLi16, PX16, PL16b, PG17, PBBK15, PS17, PA15, PME+15, RDG17, RSSSE18, SNSG16, STK+16, SK15, SS16b, Sha17a].
scheme [SFT16, SWPS17, SY16, SLL17, SWK18, SWHK15, SD16, Sto16, SS17c, SJI15, SXL15, SJX17, B17, TK12, TK15b, TM15a, TC15b, TPK16, VST16, WR15, WH15, WDS15, WY16, WH16a, WHY17, WLY17, WL17, WZL+17, XG17, Xie15, QX17, YSWS16, W+16, YF17, MLA15, YWHP15, ZZ17a, ZG17, ZSW17, ZYSW16, ZZX16, ZQ16b, ZQ17, ZWG17, dSPDH15, dBIM16, vEKdB16, FRO17]. Schemes
[ZQ16a, AHNF15, AMH+18, AD15, AD17, An17, ABH18, ABR16, ALMJ15, BD15a, BGS16, BGTG17, BKL17b, BGTM18, BR15a, BR15b, BR16, BLMY17, BLD15, BDZ15, BD17, Bra16c, Bre17, BTVC16, CV17, CCRL17, CB15, CC17b, C15, CS16c, CK17, CCZ15, CYS17, CLTX15, CTM+16, CK16b, CwY16, DS15a, DPO16, DL15, DL18, DPRZ16, DPRZ17, EJ17, Fan16, FNGV18, FLV15, FG17, FLW16, FHA16, FHA17b, GSS15a, hGwSaS15, GS15a, GW16, GCVMK15, GR15, GBCF15, GBCF16, GGT15, GAJ15, GT15, HSL16, JQX15, JZ18, KM17, KW15a, KW15b, KG15, KPT15, KFL17, KY+16, KY+18, Kri17, LN15, Ler15, L16, LZZS15, L16, LW17d, LCF16, MC16, MN16a, MKC17, MD+15, MC16, NMM15, NMM16, NMM17, NCM15, NLMF16, NL18, NR17, NG17, OS15a, OZ17, OV17, Ps15, P16, PBC+17]. schemes
[RS15a, Rod17, RRD16, RSH+17, Sch16b, SAEF17, SMS16, SY15, SWLZ15, STG17, SS15, St17, SGL17, Stui17, SIX16, Svi15, T15, TLQ16, T16, V16, V16, V16, V16, V16, V16, V16, V16, V16, V16, W15, WRL16a, WCL15, W15, W15, X17, XL16, Y17, Y17, ZZ16, ZJ15, Zha16, Zha17c, ZY17, ZSQ17, ZS17, dFJ16, vLtTBI17, ZN16].

Sequential series [Fon16, GKNA17, HHA15, JL18, LHA16b]. Serre [Pop15]. Serre-Green-Naghdi [Pop15]. Set [LVTR15, VALT16, AASRT17, AT18, CWWZ17, CD17, CG16, CM16b, GLTB18, GM16, GHP15, GFO18, HK17, JLC15, JGS16, LMS16, LSYS17, LSYP15, MGBG16, MW17b, MLMM17, NLK+15, OLB+17, PLHA18, SSA17, TAR17, Wac15, XSL18, YCS+17, ZA15a, ZLH+17, ZHW18, dLTG+17, AAL15, AB15, BAVC17].

Sequential series [CC16b, DKK+18, WX18, YNW17, MP17, MTJ17, SGP17a]. Set [LVTR15, VALT16, AASRT17, AT18, CWWZ17, CD17, CG16, CM16b, GLTB18, GM16, GHP15, GFO18, HK17, JLC15, JGS16, LMS16, LSYS17, LSYP15, MGBG16, MW17b, MLMM17, NLK+15, OLB+17, PLHA18, SSA17, TAR17, Wac15, XSL18, YCS+17, ZA15a, ZLH+17, ZHW18, dLTG+17, AAL15, AB15, BAVC17].

Set/Ghost [LVTR15, GLTB18].

settings [JH17, LN17, STHW17, WX18]. settings [CK16a]. severe [GZM+17]. SFO [MAP17]. SGS [LL16b, MNG15b]. Shadowing [NW17, Bl17, BW18, CNW17]. Shafranov [PKF16, RCRF16].

shale [AEVW18]. Shallow [ABT16, MDBCF17, ZED15]. Shallow-water [ABT16, MDBCF17, ZED15].

Sham [BEJ15, BHL15, CDM+16, HXX18, ZLH+17]. Shape [DBD+17, Wal16, BFT+16, BCO+15, BMPS18, HK17, KPKG15, Loz17, SKF16, TBLM15, ZHW18]. shaped [GN16, TSN16, TP16b]. shapes [WHL17].


Shear [BVMW16, CB18]. shear [BVMW16, CB18]. sheared [LBV+15].

Sheath [dCPDC+17, TTN+16]. Sheet [CLvS17, CLFL17, IPSG15, MML17]. Shell [Jou15]. shells [GLS15, SDMS17, WLM15].


shock [WS15b, XLL+17, dFVJ15]. shockwave [NMM17]. shock [WS15b, XLL+17, dFVJ15]. shockwave [NMM17].


Sign [DCCC16]. sign-changing [DCCC16]. signaling [CFG16]. signals [CW+16]. signed [Sel15]. similar [BD15b, BVG+16, BN17]. similarity [NN18]. Simple [KH17, ATC17, DL16, HK15b, HCH18, KBK15b, Niu16, OS15a, RS15b, VNA15, ZL15b]. Simplex [EW16, KHTZA16].


Simplified [HE15, MF17, CNW17]. simply [LDL+16]. simulate [CG15, DA17, RFGSV15, ZWUR16]. simulated [YDCK16, ZD17]. Simulating [KS18, LP16a, AJVH17, Cap18, CL17, CG15, DvB17, Don15b, ELH+16, GLS15, HXL15, MAK15, Moo17, NRZ17, OT15, OD17, PZNG15,
PGCG18, QSB18, RL18, SHKL16, SMA+16, SDH+16, TK12, TK15b, TKP16, WMY16, dTP16. **Simulation** [CS17b, FBM16, GFA+16, GBS15, LSD+17, LM15c, Mac16, OMYvdP+15, STW16, SDM+17, SSM16, TM17, diAC17, AVT17, AAB+16, BBK16, BBMN18, BR15a, BRG15, Bra16a, BJ16, CGS18, CRW16, CB15, CL16, CTJ+17, CPSF17, CHL17, CD17, CLB+16, CSMC16, CLGA17, CEL15, CMR+16, CLNH15, DDT17, DD17a, DKPC15, DPW+15, DL17, DH18, DMS17, DHC16, DEZ16, ESHA16, EKSS15, FDKI17, FG17, Fon16, FFJT16, FRW16, FKY15, GB15b, GB15a, GWB+15, GZY16, GDFL17, GRS15, GH15b, GBU15, GFW16, HYK+16, HIN+16, HN17b, HLML17, HY17, IM17a, KM17, KBK15b, LNH17, KLRT15, KK17b, KHC16, KJ17b, KYPK15, LYCC17, LRA17, LP15, LZ15a, LWY17, LXL17, LYT18, LT16b, LD15, LPBR15, LAA16, LSYF15, LWC17, LEB+17, MWD16, MNG15a, MPT16, MG15b, MNO+17, MS15c, MW16a].

**Simulation** [MN16b, MRK15, MTJ17, MZ15, MM16d, NOM+17, NYNYM15, PC16, QWXZ17, RS16b, RW15a, RBG15, SNSG16, SKFK16, SD15, SJD15, SAK18, SSS+16, STKH15, SP16b, SCS16, SW17, SF16, Str17, SP16c, SST+15, TCA16, TK16, TC15d, VV16, VBG+17a, Vie17, WDS15, WSP17, WSW16, WCCB16, XYPT16, XDvW17, ZZZ15, XZ17b, XLR17, YC16, YDS15, YG15, GFDL17, GRS15, GH17b, GBU15, GFW16, HYK+16, HIN+16, HN17b, HLML17, HY17, IM17a, KM17, KBK15b, LNH17, KLRT15, KK17b, KHC16, KJ17b, KYPK15, LYCC17, LRA17, LP15, LZ15a, LWY17, LXL17, LYT18, LT16b, LD15, LPBR15, LAA16, LSYF15, LWC17, LEB+17, MWD16, MNG15a, MPT16, MG15b, MNO+17, MS15c, MW16a].

**Simulations** [Gan15, AWS16, ALM15, AT18, BT17a, BCD+15, BFI+16, BBB+16, BCB15, BI16, BPS16, BPS17, BBW16, BLK15, BVM17b, BLJ17, CGQ18, CCBL15, CCM15, CHT17, CGJ16, CCL16, CSK+16, CSB15, Cos16, CVK16, DMAM15, Dav10, DAV15, DM16, DG16c, DB16a, Don15a, DCBK15, DBMB15, DD16b, EH16, ED16, Fan16, FH17, Fed17, FPAS16, Fer17, FH15, FHK16, GZM+17, GDS+16, GJ15, GEZ16, GSS15b, HJ16+16, HBC+16, HWH+16, HTZG17, Hec17, HS16, HHA16, HLY15, HLS16, HLY16, HDR16, HSR16, HSR16, HSR17, HSK16, HSM17, HSS16b, SH16, SHP16, SKC17, SAOW17, TBC16, TLH15, TPT16, XD17, XZ17, XR17, YC16, YDS15, YG15, GFDL17, GRS15, GH17b, GBU15, GFW16, HYK+16, HIN+16, HN17b, HLML17, HY17, IM17a, KM17, KBK15b, LNH17, KLRT15, KK17b, KHC16, KJ17b, KYPK15, LYCC17, LRA17, LP15, LZ15a, LWY17, LXL17, LYT18, LT16b, LD15, LPBR15, LAA16, LSYF15, LWC17, LEB+17, MWD16, MNG15a, MPT16, MG15b, MNO+17, MS15c, MW16a].

**Simulation** [MN16b, MRK15, MTJ17, MZ15, MM16d, NOM+17, NYNYM15, PC16, QWXZ17, RS16b, RW15a, RBG15, SNSG16, SKFK16, SD15, SJD15, SAK18, SSS+16, STKH15, SP16b, SCS16, SH17, SF16, Str17, SP16c, SST+15, TCA16, TK16, TC15d, VV16, VBG+17a, Vie17, WDS15, WSP17, WSW16, WCCB16, XYPT16, XDvW17, ZZZ15, XZ17b, XLR17, YC16, YDS15, YG15, GFDL17, GRS15, GH17b, GBU15, GFW16, HYK+16, HIN+16, HN17b, HLML17, HY17, IM17a, KM17, KBK15b, LNH17, KLRT15, KK17b, KHC16, KJ17b, KYPK15, LYCC17, LRA17, LP15, LZ15a, LWY17, LXL17, LYT18, LT16b, LD15, LPBR15, LAA16, LSYF15, LWC17, LEB+17, MWD16, MNG15a, MPT16, MG15b, MNO+17, MS15c, MW16a].

**Simulations** [Gan15, AWS16, ALM15, AT18, BT17a, BCD+15, BFI+16, BBB+16, BCB15, BI16, BPS16, BPS17, BBW16, BLK15, BVM17b, BLJ17, CGQ18, CCBL15, CCM15, CHT17, CGJ16, CCL16, CSK+16, CSB15, Cos16, CVK16, DMAM15, Dav10, DAV15, DM16, DG16c, DB16a, Don15a, DCBK15, DBMB15, DD16b, EH16, ED16, Fan16, FHS17, Fed17, FPAS16, Fer17, FH15, FHK16, GZM+17, GDS+16, GJ15, GEZ16, GSS15b, HJ16+16, HBC+16, HWH+16, HTZG17, Hec17, HS16, HHA16, HLY15, HLS16, HLY16, HDR16, HSR16, HSR16, HSR17, HSK16, HSM17, HSS16b, SH16, SHP16, SKC17, SAOW17, TBC16, TLH15, TPT16, XD17, XZ17, XR17, YC16, YDS15, YG15, GFDL17, GRS15, GH17b, GBU15, GFW16, HYK+16, HIN+16, HN17b, HLML17, HY17, IM17a, KM17, KBK15b, LNH17, KLRT15, KK17b, KHC16, KJ17b, KYPK15, LYCC17, LRA17, LP15, LZ15a, LWY17, LXL17, LYT18, LT16b, LD15, LPBR15, LAA16, LSYF15, LWC17, LEB+17, MWD16, MNG15a, MPT16, MG15b, MNO+17, MS15c, MW16a].
GFW16, HY16, HSF17, JZSX18, KC17c, KFWK17, LTB16a, LKB15, LZ17a, ILLNS16, LSTkM15, LDGH16, MS15b, MHL17, MM17, NWW17, Niu16, NN15b, OVP15, PKF16, PR16a, Pop15, RCRF16, SKP+15, SHLGL15, SP16a, SYY16, STW16, SYM15, Sti16, SL16b, SST+15, SK15b, TCS16a, TWH15, VLP+16, VNA15, WY17, WSY15, WSHT15, WSY16, WS15a, WCCB16, XJ16, YSW15, ZHA17a, ZG18. solver-based [BK16a]. solvers [BPK15, BD15a, BTGM17, BK17b, BGM18, 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, MBD15, AR16a, ADP+17, BM15, BZ15, DLNR18, EE16, GSN16, GP17, GBM16, HW16a, HHG15, HSC16, HHY15, IKI15, KKL15, KDL15, LMS17, LW15b, LC16, LK16a, LIW18, LZ15b, LZW+17, LSI16, MW16b, MW17a, Moh15, MLMM17, MBM+15, Noe15, OLS16, PxRS17, PKJ+18, PBBK15, SWLZ15, SWK18, SS16c, SHW18, SGT16, SGT17, TSH17, TP17, TBO+16, Vab15, WR15, WXW15, XL16, YHKPF17, YM17c, ZDK16, Zha16, ZQ16a, ZQ16b]. SOMAR [SS15a]. Some [FLW16, hGwSzS15, FSWW17, GFO18, KD17b, Pas16]. sonar [EFHZ17]. source [ASB+15, BCB15, BT16, DH18, DMTB15, EG17, GKA17, NMM16, NLK+15, NL17, SY17]. sources [POSB16]. Space [PCF15, SWV16, AS15, AP16, ATZ16, AHKT17, BCST17, BZ15, BHE+17, BTWY15, CV16a, DM17b, EHXM15, Fid17, HKKP16, HML17, JW15b, JW16, JX15, KL15, KLR15, LS16b, LWY17, LILS17, LCF16, MD17, MRZG16, MDDM17, PD16b, SWZ15, SWLZ15, SW16, SWPS17, SX15, Tav16, TD16a, TD17, VGF16, YYN+17, ZJ16, ZBZ17]. space-angle [KL15]. space-charge [AP16]. Space-fractional [PCF15, CV16a, JW15b, JW16, ILNS17, MD17, MDDM17]. space-time [DM17b, Fid17, HML17, LWY17, SWPS17, TD17]. spaces [GMP15, KCW17, KC17c, YY16]. spacetime [AM17a, NLK15]. Sparse [ABM16, CS16b, HLS15, WTGC16, ARG+17, BGG16, CQ15, HLT18, JW15a, JL17b, KS16b, LHZ17, MJ17, MJ17b, SPD16, SS17b, TCA16, WC16, WKS15]. Sparse-grid [CS16b]. Sparsifying [LV16]. Sparsity [KMD+18, BKL17, SG17a, YL16]. Spatial [CN19, AA15, BB15, CNG17, FS16, KKL15, LPW15, LZ16, LN15, LS16b, NS15b, SP16c, TC15c, VLTPS16, WM16, WKO15, XT5+16, Yan16a, YM17b]. spatial-stochastic [KL15]. spatially [LM15d, MPT16, NAM17]. Spatio [Han16]. Spatio-spectral [Han16]. spatiotemporal [SLZ15, TL15]. spatiotemporal-adaptive [TL15]. SPDEs [KLL15, OB17]. Special [KHP15, KZ17, Kat16, KZG16, TM17, KS15a, W15, ZT17]. species [CCZ15, HYK+16, MN16c, SGA+15, TC15a, TKC15, TCS15, WB17]. Specific [PWP15, BFI+16, ISP+15, PVFN15, YD16]. specification [SD17]. spectra [Roy15]. Spectral [CB18, DSC16, DZ16, GM15, LWL17, MK17, MDDM17, NS16, PGH15, SZW+16, SX15, TST+15, Tre16, WB16, ABP+16, AABD15, AB16b, ALM15, ABR16, ALT17, ALMJ15, BE15, BZ16a, BA15, BDB15, BGM16, CA16,
CZW17, CL16, CJD+17, CXH15, CH17, Cho15, Del15, DY17, EKEB16, FBM16, FSM16, GWWC17, GXX17, Han16, HB15a, HB15b, HSF17, JB15, KC17a, KADE17, KP15c, Li17, LMBZ15, LZZS15, LTXB17, LYP17, MDVM16, MS16a, MG15b, MJ16, MDM+15, MP16, MJ17, MA16, MSP15, MSP16, MM17, PKF16, PG17, Pas16, PR17a, RGW16, SHLG15, SO17, Sov16, SGT16, Sub15, TH18, TO15, VSM17, VPV+17, VK16, WLM15, WZ15, WCL15, WG15, WZRZ15, WZR15, YC17, ZK15, ZL15b, dlHC16, ST17

CHD$^{+18}$, DWGW16, DWGW17, Don15a, DS15c, FCL17, FFJT16, FPV18, GBCF15, GBCF16, GHL$^{+16}$, GGT18, GTG15, GX15, HW15a, HHR15, 
HN17b, IC17, LTB16a, LHB$^{+16}$, LSZ18, MLI17, MBHS17, MXL16, MTD15, 
NN15a, NN17, OLDN17, PCN15a, PCN15b, PND16, PMB18, SW17a, SYY15, 
SLL17, Tav16, VV16, WJD16, WWG17, WYG15, WG15, WG16b, WDGW17, 
WCCB16, WSF17, Xia15, YC17, Yan16b, YH17, ZYSW16. Stage 
[FP17, CSS17, CSFT16, FPASS16, LZT17, PXLL16]. Stage-parallel [PP17]. 
Staggered 
[CCKQ15, AB17, CCM17, GH17a, KSSL18, LHMB16, LMMS16, LCF16, 
MO18, OLDN17, SO15, SZF15, TLQ15, TD16a, TD17, VW16, Vre17, YYL16]. 
standard 
[Fan16, FST15, STG17, VWV17]. 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 
[AF18, DG16b, FCL17, KKKS17, RB15]. stationary 
[ACCD$^{+17}$, ALT17, DCB15, LZ17a, LY17, TSST16, ZFPB16, ZL15b]. 
Statistical [LKK17b, RS15b, RL17, VCNQP15, ZXL17]. statistically 
[CMI18a]. statistics [DY16, FK17]. status [MSV$^{+16}$]. Steady 
[TYD16, AD15, CV17, CCM17, DKPC15, DDV18, 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 [MH18, 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, WBM15a, BM15]. Stephen [ZJS15]. stepping 
[BDZ15, CLvS17, CLP16b, DNB15, EAR15, LW17d, LWY18, MM15, 
QB16, RGP17, Tav16, Tie16, ZZZ16]. stepwise [ARG$^{+17}$]. Stiefel 
[BTD16]. stiff [BP18, CB15, CTM$^{+16}$, LTR17, PBKK17, SBX15, SYM15, 
TWN15, TM15b, ZW15]. stiffly [RT16]. stiffness [AM17b, WHCN17]. 
Stochastic [AMK17, CHLI17, HKJ17, LPWK15, RL18, SE16, ADH$^{+16}$, 
AAP17, BCSK17, CHZ16, Cot16, CIR$^{+16}$, Dav10, Dav15, DI18, DEZ16, 
ECD16, GH17b, HHC15, HMB15, HJZ17, HL15b, IIJ16, JL15, JL18, 
JL17c, JS17, KM17, KKL15, KK17b, Kou16, LLK17, LJJ15, LZZ17, LM15c, 
MPT16, Moh15, NW15, Opp17, PND16, PE15, SSDN15, SS15b, SGA$^{+15}$, 
TWN15, TPT16, TT17b, VCNQP15, WHCN17, WH16b, WTX17, XZZ15, 
ZL17, dICCG17, ACR15, HSR16]. Stokes 
[CDN17, HTMP17, TXKvdV15, TXKvdV16, AD15, ALKZ16, AB18, AB17, 
BTD16, BC16a, BTVB15, BLJ17, BHF15, BC16c, BC16d, CHOR17, CS16c, 
CYL$^{+16}$, CCKQ15, CCRV17, CCM17, CLP16b, FW17, FB16, GTG15, 
HPY18, HW15a, HM16b, Lr16, LXC$^{+15}$, LZB$^{+17}$, LT17a, LM16, LY16a, 
LRG18, MPFL16, MS17, MBBKTH17, MHS16, MR16b, MN18, NL15,
OT15, OvdHVH16, PG17, PXLL16, PX16, PJC16, PCN15a, PCN15b, Pea15, PND16, PDRB17, PBBK15, PMB18, RDM15, SHLG15, SMS16, SLB+16, SLY16, STG17, SE16, Stū15, Stū17, Svā15, TD16a, TD17, TMH18, UL16, WY17, WR15, WCVF16, XWW+16, YC17, YT1W15, Zha17c].

Stokes-residual [BC16a], Stokesian [LRZ17, WB16], Stokeslets [CV15].

stopping [RMP18], storage [CB15], straight [LBZ16], strain [LK17, TBO+16, WS16].

straight [LBZ16].

strain [LK17, TBO+16, WS16].

streamer [DBMB15].

streaming [BDMC15, YSWW16].

Streamline [WHE17].

strength [LK17].

stress [DGW18, Fal16, LEB+17, WS16].

stress-strain [WS16].

stressed [JTR16].

stresses [BJ16, GLMC16].

stretched [LSLA16].

strip [BPAG16].

strong [BJK17, CLM17, ES17, Guo15, RS16a, SU17, Stū15, XLL+17].

strong-constraint [RS16a].

Strongly [WE15, ANL+16, GC17, Iwa15, SDM+17, TW17, Tsa15, Tsa16, YS15, Zau16].

strongly-coupled [GC17, YS15].

Structural [ADE+17, BQCG17].

structure [BD15b, BQCG17].

structures [BD15b, BQCG17].

sub-grid [BD15b, BQCG17].

sub-grid-scale [BD15b, BQCG17].

subject [Cha16].

subluminal [BK16a].

subsonic
MP16, SHLG15, TC15a, TKC15, WCVF16, ZM16a. **Systematic**

[LYLK17, MPP15]. **systems** [ABR16, BN17, BT16, Blo17, BW18, BDV17, BRK17, Cac15a, Cac15b, CFG16, CB15, CTJ+17, CQL+17, CLM15, Cos16, DB16b, EBQ15, EFT15, FDKI17, FO15, FBF15, GAN+16, GKMS17, HKKP16, HM16a, KKB15a, KNS15, KM16b, LMS17, LS15b, LPB17, LPL17, Lia16, ILNS17, LJT16, LW17e, LPBR15, MW16b, MW17a, NMA15, NL15, NW17, NW15, NN16, Nor15, PXR17, Pan15, PT17b, PSP16, RZ17, RB15, SL18, SMS16, SPP16b, TWN15, TPT16, TT17b, TZSS17, VNA15, VAE15, 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** [DS15a]. **Tau-estimation** [KRFV16]. **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, HR18, DV17, MDM+15, QWZX17, SDJ15]. **technologies** [ADE+17]. **telegraph** [AR16a, Ata15, HB16, KA15]. **telegraphic** [GCVCHH18]. **Temperature** [DJD+17, AJW17, Gen11, Gho17, NF17, SSM15, TCS16a, ZV16]. **temperatures** [Gen11, Gho17]. **temperatures-dependent** [Gen11, Gho17]. **temporal** [DL18, GH17a, MM16b, SKF15, WMY16]. **Ten** [MKC17]. **Ten-Moment** [MKC17]. **tension** [ALA15, APT17, Ani16, BC16d, CG16, EJZ17, FMRZ17, GOR17, HKS+16, Say17a, Say17b, SAK18, TP16a, YCS+17, ZKZF15]. **tensions** [WX17]. **Tensor** [CRZ17, DM17b, GMS16, MZTS16, VBL+16, ABFR16, BDMC15, BDKK17, EL17, Fai16, GKMS17, GL17, LB15, Loh17, LY15c, OS16, PP18, RO16, RBD17, WN17]. **tensor-based** [OS16]. **Tensor-product** [DM17b, PP18]. **Tensor-Train** [CRZ17, GKMS17]. **tensors** [LBTCG16]. **term** [ATZ16, BZ15, BT16, FRW16, GZY16, JLLZ15, MDP+15, NL17, WYA+17b]. **terminal** [Die15]. **terms** [DMTB15, EG17, FSWW17, LVTR15, NMM16, SL16c, VAD17]. **ternary** [ZDWG16]. **terrain** [SWMD17a, SWMD17b]. **terrains** [MKR15]. **tessellation** [SC16]. **test** [KDF15]. **testing** [Ani16, OTS17, ZA15a]. **tests** [LP16a]. **tetrakis** [BCST17, MBW+15b, MW17b, TD16a, ZQ17]. **tetrahedron** [WR16]. **texturally** [GHP15]. **their** [Beg15, DLT15, FFW17, HKH+16, JL15, LIW18, MKYZ17, WX17]. **theoretic** [LSWF16]. **Theoretical** [VPM15]. **theories** [MGK17]. **Theory** [CDC17, DG16c, KHP15, KADE15, KADE17, LLL16, ADFG17, AKZ16].
transitional [BS15a, FNP17]. transitions [LJZ15, PKB15]. translational [BK16, WYLX17]. Transmission [BS15, FMRZ17, GLZ16, GZ18, HHM17, LS16c, RZ15, YR15].

Transmission-line [SCS16]. Transparent [BS15a, FNP17].

transport-velocity [ZHA17b]. transported [Ger17]. transpose [DI15a, CGJ16]. transpose-free [ZDI15a]. transverse [DV17, ZZW16]. Trapezoidal [AHKT17]. traveling [Yas17]. traveltime [bWAW15]. Treating [BLVC17]. Treatment [CNG99, CB18, CNG17, CLL17, DDJ18, HL15a, MF17, PBA15, PDRB17, RFGSV15, RMC15, RL18, Sch16a, Sch16b, SWG17, SFT16, SWMD17a, SWMD17b, SU15, SS15, Spe15, TSFS17, VS16, WWR16, WB17, WKO17, WBB16, XG17, Y17, ZA15b, ZHA17b, ZM16b, ZCL17, vdKK16].


turbulent [BBKS16, BS15a, BKG15, BFTVC18, CCBl15, CL16, CV16a, ESHA16, FNP17, FB16, KYO15, KT15, KCS17, KFKW17, KM15, LE16, LDB17, LDHJ15, MM16a, MP17, MK15, OVP15, PM16, PWP15, TK16, U16, WG16a, WMY16, WSN15, XWL16]. TVD [BR15a, DV15b, Heu17, ZL15]. Two [JS15, LEB17, RMA17, SAH17, ACGR15, AASRT17, AAI16, Ama15, ACJ17, An16, BAGK16, BV16, BXY17, BGN15, BAVC17, BLS16, BTW15, BKKRB16, CPT16, CDM18, CS16a, CGK17, CC15, CS17b, CG16, CM18b, CLMZ17, CYWL17, DS15a, DS15b, DCA16, DG16, DG16, DL17, DV17, EdW17, FR18, FGL16, FS16, FS17a, GZ17, GN16, HHA15, HN17a, HLML17, HM16b, HTMP17, HC17, HTBG15, ID17, IG15, JPL15, JS16, JS17, KJ17a, KGS17, KS16c, LVTR15, LPG16, LMC16, LZT17, LLL16, LNS17, LSD17, LD15, LSTK15, LG16, MG15a,
MDDM17, Niu16, PXLL16, PxRS17, PM16, PR16a, PAL+, PS14, PS15a, PG17, QYF15, RV16, RTG15, RZ15, SHLG15, SHA16, SYM17, SX15, SWZ17, SJH+, SLZ+, SGP17b, Suz18, TH18, TSH17, TT16, TBO+, UWH17, VNA15, VSM16b, WRL16b, WLE17, WHE17, WWGK17. Two [WG15, WKSS15, XSL18, YSY17, YM17b, ZMF15, ZLL16a, ZL17b, ZBZT17, dJRP+, tEDKT17]. Two-channel [DG16c]. Two-component [GZ17]. Two-dimensional [JSY15, LEB+, BVG, BLS16, BTWY15, CLMZ17, CYWL17, DCA+, EDvW17, FS17a, IGQ15, ILLNS16, ILNS17, LD15, MDDM17, PxRS17, SX15, SWZ17, SLZ+, TSH17, TBO+, VNA15, VSM16b, WRL16b, WLE17, WHE17, ZMF15, ZLL16a, ZBZT17]. Two-field [CS16a]. Two-fluid [AAI16, Ama15, BAGK16, LDGH16, Niu16, RTG15, SJH+]. Two-grid [ACJ17]. Two-group [JPLL15]. Two-layer [PM16]. Two-miscible-layer [SHLG15]. Two-node [JPLL15, SGP17b]. Two-phase [ACGR15, AASRT17, Ani16, BGN15, BAVC17, BKKRB16, CDM18, CG17, CS17b, CG16, DGMT17, FGL16, HHA15, HTMP17, HTBG15, JS16, JS17, KJ17a, KS16c, LVTR15, LPGT16, LSD+, LG16, MNG15a, PS14, PS15a, PG17, RV16, RZ15, SHA16, Suz18, TH18, TT16, WKSS15, XSL18, YSY17, ZL17b, dJRP+, tEDKT17]. Two-scale [SAH17, CPT16, LMC16]. Two-sided [SYM17]. Two-species [CCZ15]. Two-stage [LZT17, PXLL16]. Two-step [HC17]. Two-way [HM16b, ID17, PAL+, QYF15]. Type [AAG16, AJP15, BDZ15, BTVC16, CC17b, DG16a, HHY15, LDGH16, LHQ16, MDP+, RMK15, Rod17, SYY16, Spe15, WBBC16, XLL+, ZHS18, SW17a, SKO17].

Uniformly [CLMZ17, LN15, BZ16a, LAA16, XQ17]. uniquely
[HW15a, WDGW17]. unit [DJV+18]. Universal [TKB+15]. unresolved
[BLG+16]. Unsplit [BP18, CSH15, FGLB16, OD17]. unstable [SWML17].
unstaggered [MM16b]. unsteady [ACS16, BK17a, BFT17, CPS17, CLP16b, Fid17, Kay15, Ler15, Ler16, MS16b, MDP+15, MCGS16, MC17, NDCB17, NSSL16, RDG17, SPP+16a, SDM+17, VPM15, VWV17, YL16].
Universal [JS16, KSI17, MM16, MSB+16]. Unresolved [BB16, BZ16a, CLP16b, DvW15b, DL16, KCI17, Kor17, KS17, KS17, LLD+16, LMG15, LLP+16, LAL18, LL16b, LJ16, MHGM+15, MF16, ML16, MM17, NOM+17, NYMY15, Nis15, PX16, Prs17, Pl16a, PM16, PN17, PBC+17, RSD17, Ssx16, Stü17, SjX17, SzS15, TD16a, TD17, VST16, VN15, WLM15, Wrl16a, Wrl16b, WRPL17, WwGK17, XX16, XDSX17, XX17, XL16, ZCH15, ZZZ17, ZxDL17].
Unstructured [AC15, SCS16, AAE17, AEL+17, BD15a, BD15b, BT16, BDZ15, BD17, BHT17, CGK17, CHY16, CSN17, CLTX15, CCM17, CLP16b, DvW15b, DL16, DMTB15, EDvW17, FP16, Hu17, Ism15, IM15, IM17b, JBO15, KC17c, Kor17, KS17, KS17, LLD+16, LMG15, LLP+16, LAL18, LL16b, LJ16, MHGM+15, MF16a, ML16, MM17, NOM+17, NYMY15, Nis15, PX16, Prs17, Pl16a, PM16, PN17, PBC+17, RSD17, Ssx16, Stü17, SjX17, SzS15, TD16a, TD17, VST16, VN15, WLM15, Wrl16a, Wrl16b, WRPL17, WwGK17, XX16, XDSX17, XX17, XL16, ZCH15, ZZZ17, ZxDL17].
unstructured-mesh [KS17, SJS15]. updated [TL17]. updating [PDdG+17]. Upwind
[FRR16, AGBL15, ABH18, Fan16, LMKS15, Mat17, Mo18]. Use
[MTC+17, VB16, BT17a, DA17, DCC16, FG17, HS17b, LSWF16]. Using
[CG15, KV16, SNB+15, ADGN17, AMJ17, AKZ16, AN15, AT16, BAVC17, BL16, BRW15, CR17, Cap18, CI17, CC17b, CE18, CZ15, CZ17, CWWZ17, CRMP16, CCL17, CEL18, CSK+16, CLM15, CV16b, CLP16b, CG17H, DD17a, DD15, DG16a, DSH+16, DV+18, DPO16, DMS17, Dod17, EST17, EEC+15, Eva18, EdvW17, Fid17, FGLB16, FBM16, FP16, FSB16, FRR16, FN17, FKY15, Gam15, GbZ16, GWC17, GGL+17, Gno17, GRS15, GB15, GSN17, HED+16, HIB16, HLL+16, HX16, HW16a, Hlq16, Hue15, JW15a, JES15, JL18, JwH16, Kar17, Kw15b, Kk17a, KZ15, KP15b, KDP15, KSI17, LM16, LTB16a, LDOK17, LWLC17, LT17a, LMBZ15, LSR16, LC17b, LT17b, LMGG17, LS16, LBB+17, MBSS15, MM16b, MNG15a, MG15b, MPP15, MGS16, MSP15]. using
[MB+16, MC17, NMM17, NCP+17, NLK+15, NSSL16, No15, OLHD17, OKE17, PK17, PPCK17, PD16a, PKLS17, PR16a, PS15b, PF15, PD16b, QLF16, RPK17a, RPK17b, RS17, RBGV15, SGP17a, SS17b, SA18, SFT16, SWM17a, SWM17b, SCQ16, STW16, SLL17, SDM+17, SWHV16, SC16, SGT16, SHP+16, SS17c, SK12, TK15b, TVB+16, T015, TBLM15, VSM17, VBL+16, WwRS17, WBBC16, WS15a, WF17, XL17a, XDSX17, XP15, YY+16, YSC+17, YCPD15, YF+16, Yan17, YL16, YC16, ZS16, ZB15, ZD17, ZJ18, ZNX15, aKT16, dPSS16, dIA17, vdBD17]. utility [VWV17]. Uzawa [WSF17].

v [CBA17, TCS16a]. vacuum [CSY15, NOM+17]. valid [RKO17a].
Validation [ION+17, SMD+16, FOF15, GPS17a, GG15, MML17, MPP15, PT17b, SHP+16, SS17c]. validity [JG15]. value [BDB18, DGHP17, Die15,
DZC16, KADE15, PHHR17, PGH15, WZ15, XM18, ZG18]. valued
[LM15d, Tav15, WF17]. vanishing [MK17, MSP16]. vapor
[BG16b, DD15, FMRZ17]. \textbf{Variable}
[CWL16, SHP16, ABT16, Ata15, BTT18, Cui15, EMSS17, HW18, JL18,
MS16a, Niu16, PPCK17, RBJ18, SP15a, SAK18, SXY18, TSH17, TPB16,
WZ15, WW17, WSF17, YY17, ZK15, ZsSK15]. \textbf{variable-coefficient}
[WZ15, WW17]. \textbf{variable-density} [SP15a]. \textbf{Variable-order}
[CWL16, TSH17]. \textbf{variable-separation} [JL18].
\textbf{variable-coefficient} [WZ15, WW17]. \textbf{variable-density} [SP15a].
\textbf{Variable-order} [CWL16, TSH17]. \textbf{variable-separation} [JL18].
\textbf{variable-coefficient} [WZ15, WW17]. \textbf{variable-density} [SP15a].
\textbf{Variable-order} [CWL16, TSH17]. \textbf{variable-separation} [JL18].
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\textbf{Variable-order} [CWL16, TSH17]. \textbf{variable-separation} [JL18].
\textbf{variable-coefficient} [WZ15, WW17]. \textbf{variable-density} [SP15a].
\textbf{Variable-order} [CWL16, TSH17]. \textbf{variable-separation} [JL18].
HEPG15, HLS15, KDL15, LVTR15, LT15, LC16, LC17b, MS17, MCGS16, MM16d, NNW17, PPLC16, QSB18, RBJS15, RXSG15, RAMB15, SGMS16, SKF15, SST+15, WTL17, YSWS16, YXF+16, YZZ15, ZYSW16, aKT16].

viscous-plastic [WTL17].

visualization [HIN+16, KLA17]. Vlasov [QHZ+15, BDM17, CGQ16, CGQ18, CCZ15, CGJ16, CEF15, CLMZ17, DDD17, Del15, EL17, LY15a, MDVM16, RTG15, SC16, TC15a, TKC15, WSJY16, ZG17]. VOF [CDM18, HDA+18, MNG15a, PR16a]. VOF-based [PR16a]. Volterra [Moh15].

Volume [AGBL15, FB15, FPT17, HSLQ15, JBOLO15, Kat16, MDL16, NT15, RW15b, SAK18, ABG+15, APP+16, AEL+15a, AEL+15b, ABT16, AMM+15, AM17b, BD15a, Bat17, BGV17, BLVC17, BLMY17, BTBV15, BLD15, BDZ15, BD17, BHTT17, BKRB15, BFTVC18, CCZC16, COV18, Cho15, CGP16, CSH15, CHS17, CCM17, DRP+16, DB16a, DMS17, DVP+16, DL16, EKSS15, EDW17, GOR17, GHL15, HSLQ16, Heu17, HY16, Hu17, Ism15, IG15Q, IDSG15, IM17b, JME18, JW15c, JW16, KW15b, Kla15, KS17, LLD+16, LN17, LAL18, LX16, LL16b, LZ17b, LY16c, LJ16, LHF16, MAK15, MDHC15, MRK15, MH18, MSS16, NJPB17, Nis15, Nor15, PxRS17, PHÖ+16, PS16, PR16b, Pei16, PWP15, RMA17, RKRGW17, RBL16, SPX+18, SAEF17, SY16, SKO17, SYM17, SDH+16, SKG17, SFP16, Tav15, TMT17, TVB+16, WR15, WRL16a].

volume [WRL16b, WRPL17, XWL+16, XDvW17, XX16, XL17a, XDSX17, XM18, ZCHS15, ZZZ17, ZQ17, ZXD17, vEKdB16, AAL15, BAVC17, CCM17, DCA+16, DBD15, BDZ15, BD17, BHTT17, BKRB15, BFTVC18, CCZC16, COV18, Cho15, CGP16, CSH15, CHS17, CCM17, DRP+16, DB16a, DMS17, DVP+16, DL16, EKSS15, EDW17, GOR17, GHL15, HSLQ16, Heu17, HY16, Hu17, Ism15, IG15Q, IDSG15, IM17b, JME18, JW15c, JW16, KW15b, Kla15, KS17, LLD+16, LN17, LAL18, LX16, LL16b, LZ17b, LY16c, LJ16, LHF16, MAK15, MDHC15, MRK15, MH18, MSS16, NJPB17, Nis15, Nor15, PxRS17, PHÖ+16, PS16, PR16b, Pei16, PWP15, RMA17, RKRGW17, RBL16, SPX+18, SAEF17, SY16, SKO17, SYM17, SDH+16, SKG17, SFP16, Tav15, TMT17, TVB+16, WR15, WRL16a].

volume-averaged [BTVB15]. VOF [CDM18, HDA+18, MNG15a, PR16a]. VOF-based [PR16a]. Volterra [Moh15]. Volume [AGBL15, FB15, FPT17, HSLQ15, JBOLO15, Kat16, MDL16, NT15, RW15b, SAK18, ABG+15, APP+16, AEL+15a, AEL+15b, ABT16, AMM+15, AM17b, BD15a, Bat17, BGV17, BLVC17, BLMY17, BTBV15, BLD15, BDZ15, BD17, BHTT17, BKRB15, BFTVC18, CCZC16, COV18, Cho15, CGP16, CSH15, CHS17, CCM17, DRP+16, DB16a, DMS17, DVP+16, DL16, EKSS15, EDW17, GOR17, GHL15, HSLQ16, Heu17, HY16, Hu17, Ism15, IG15Q, IDSG15, IM17b, JME18, JW15c, JW16, KW15b, Kla15, KS17, LLD+16, LN17, LAL18, LX16, LL16b, LZ17b, LY16c, LJ16, LHF16, MAK15, MDHC15, MRK15, MH18, MSS16, NJPB17, Nis15, Nor15, PxRS17, PHÖ+16, PS16, PR16b, Pei16, PWP15, RMA17, RKRGW17, RBL16, SPX+18, SAEF17, SY16, SKO17, SYM17, SDH+16, SKG17, SFP16, Tav15, TMT17, TVB+16, WR15, WRL16a].

volume/Monte [GDS+16]. volumetric [WN17]. Voronoi [FHA17a, GLTG15, GPG17, PLB18]. Vortex [PWC18, BPGS16, BR15b, BR16, HKLW15, RHrR+15, XWB15, XY17, ZYW16].


Waals [PSS17]. Wakefield [MAM16, YXD+16]. Walk [HHK15, ADHN15, KC17b, MS15a, RFGSV15]. Walk-on-Spheres [HHK15]. Wall [Don17, CW16, CW17, CV15, HL15a, HHY15, MS17, NL15, PM16, PCN15b, Stü15, SG17b, VM15]. Wall-bounded [Don17]. walled [FLV15].

walls [DCBK15, FNGDMNR18]. Walsh [Gno17]. Warburton [AMP16]. warm [SP16c]. Water [NMM17, SP16a, TK16, TM17, ABT16, CV17, Cap18, CSL15, CLB+16, CE17, CSM16, CK16a, CDV17, DA17, DMTB15, EKEB16, FS17a, GP16a, GCVMK15, JJS15, LMPS15, LDWZ15, LMKS15, LY16c, LMSK17, MDDBC17, NMM15, DM18, RW15b, Ric15, SD16, TC15b, VST16, WWGK17, WG15, WBM+15b, YM17b, ZA15a, ZED15]. Wave [Luc15, MT17, PS15b, AMN18, ABP+16, AMJ17, An17, AHB18, BNM15, BDBEE15, BBGM15, BTT18, CZW17, CGMH18, CSG17, CLQ17, DCA+16,
DKK15, FS16, FKR16, GFG^+15, GH17a, GKNA17, GP16b, HK15a, HSC16, HXB15, KS18, KLRT15, LC18, LHMB16, LC17a, LGB16, LTB16b, LY16c, LK16a, LMM17, LQB16, MD17, MSS16, MSH^+15, MH17, PdDG^+17, POSB16, RM16, RSH^+17, SSL17, ST16, SCN^+17, SS17a, SM16, SZF15, TM15a, WLE17, WSOW16, XYPT16, YYL16, Yas17, YLA15, ZZZ17, ZHS18, ZZW^+16, ZWUR16, DJV^+18]. wave-based [AMJ17, LGB16].

Wave-diffusion [Luc15]. wave-in-cell [TM15a]. wave-field [LTXB17]. waveform [NGS16, MKYZ17, PKN17]. waveguides [GTL18, Tre16]. Wavelet [BDV17, DLK17, CYWL17, GBD^+15, Moh15, NVBDV15]. Wavelet-based [DLK17, CYWL17, GBD^+15, Moh15]. Wavelets [MVKD15, ABP^+16, SWHV16]. wavenumber [LN15]. waves [CGSS18, CDX^+18, DBD^+17, DZR18, DwV15a, DZ16, DHIC16, EKEB16, FS17a, GBS15, GP16c, HN17a, Hu17, HTBG15, IG15, IML15, LC18, LWZ16, MC17, OLHD17, PKN17, PS14, PS15a, SZW^+16, SSM^+17, SS17c, SWZ17, VAD17, VK15, WMY16, WTL17, XYPT16, YSC^+17, ZD17, ZED15, vOMB17].


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].


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**Akiki:2016:IBM**


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**Amlani:2016:FBS**

Asgharzadeh:2017:NKM


Alinovi:2018:BEM


Amore:2016:HOE


Abushaikha:2015:ICV


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Amritkar:2015:RKS


Arqub:2015:CPS


Ahmed:2015:CVD


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Ahmed:2017:CMF


Akkutlu:2018:MMR


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