Title word cross-reference

(2 + 1) [PS17]. (d²/dx² − h²) [Kas15]. (r, v_r, v_θ) [VSC18]. (S_N) [OWKE16]. 0 [TCS16a]. 1 [ALTR17, BK17c, CGMH18, CSK+16, EL18, JKE+17, NMM19, Nor15, VLP+16, XQ17, YC17, ZGJ16]. 13 [SGP17b]. 2 [BK17c, BT16, BC16c, CGK17, CZ17, CSK+16, FL18, FNGV18, FNGDMNR18, GFL17, GHL+16, Hu17, IG15, KQB18, LMPS15, LM15a, LGB17, LJT+15, LY16a, LGD17, Mae18, NMM18, NMM19, PG17, PKJ+18, PMGW16, PAFT19, QDH15, RLP16, SCS16, TCS16a, WY17, XDSX17, YFJ18, ZND16, ZJ18, ZZW+16]. 3 [AG16, AHHC18, ACS16, BHZ16, BGV17, BDK+17, BS15a, BSM16, BC16c, CSS17, CBC+18, CDL17, CGL18, CCZC16, CZ16, CX16, CSK+16, DBD+17, DS15a, DWGW16, DF16, DOD17, DD16b, FDS+15, FGLB16, FC19, FYC+18, GBM16, GWC18, HWH+16, JBOLO15, KE15, KES18, KC17c, KFWK17, LFRH17, LML+16, LHB16, LZ17a, LLJ18, MKYZ17, MG15b, MC15, MF16a, MW17b, Noe15, PGCG18, PK17, PR16a, PAFT19, PTT18, RBY19, SN16G16, SFT16, ST18b, SA15, ST18c, Sto16, SSL+16b, TCD17, TRL15, TCL15, VLP+16, WXW15, WSH+17,


0012 [FW17].

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


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

4U [HAPK15].

A-SLEIPNNIR [PC19]. ABCD [PD15]. ability [KKZ15]. able [BDJP19]. above [GP16b, YS18b]. Absorbing
absorption [DZR18, DCA+16, DJV+18, WWR17]. accelerate [BT17a, PKW17]. Accelerated [CMR+16, AC17, CWM+16, CG18a, CRZ17, GKE15, HPY18, JTD16, KH18, PTM18, RGW16, SMAG17, VWV17, WWGW18, WL16, YZW+18, ZMCC18]. Accelerating [Gen15, MN18a, SLR+16, XZ17]. Acceleration [BPF+16, HLQ16, PT18, SAOW17, WB16, AJW17, BBBBB15, BM19, CLGA17, DMAM15, Fon16, Mas18, PSP16, SB18, SWG+17, TWM18, YX+16, MAM16]. accelerators [SR18]. acceptance [PDS15]. account [LYDB17, SSL+16a]. accounting [Noe15]. accumulation [HMBH15]. Accuracy [CNG99, CSB15, GDS+16, GR15, Nis15, NL17, Pei16, BK17a, CBB16, CNG17, CidlL18, CSk+16, DB17, Fal17, FBB16, FYO+15, GH17a, GO16, KDF15, KGS17, LS16a, MDS18, MA16, MSH+15, OML16, SM16, Sla16, TLR16, WZ15, WPKS18, ZS18]. Accuracy-preserving [Nis15, NL17]. Accurate [CCZC16, CLvS17, EMZ16, FYC+18, GLMC16, HM16b, IM15, RCRF16, SWL19, WCL15, AD15, AASRT17, ALO18, ABH+19, ABG18c, ANL+16, BL16, BZ16a, BXY17, BOA17, Bat17, BH18, BST15, BDZ15, CKT17, CM18b, CYS17, CD17, CG16, CLMZ17, DS15b, DVP+16, DY17, DL18b, DL18c, DL16, DvWZ18, EMM+18, FS18, GPS17a, GPS17b, HK19, JL16, KTN15, LLLN16, LY16c, LTWZ18, LDHJ15, LPR19, MA17, MH19, MBHS17, MFP16, MD18, NMM19, OLDN17, OS15a, OSK18, OT15, OV17, PXL16, PLB18, PMB18, RT16, RSD16, STHW18, Say17a, Say17b, SUR18, STG17, SCS16, ST18c, TD18, TSS+15, W15, W15, WA18, XX17, Yan15, ZMF15, ZL15b, ZGD+16]. achieving [MN16c]. Acoustic [AN15, BBN18, Gib18, APKP16, BHH18, BG19a, BL16, CGL18, CDDL19, CC15, CLQ17, DBD+17, DSS18, GFC18, GH16, HLL+16, IM15, KZ15, LWWY18, LB16, LMM17, MB16, MBN16, MKYZ17, MDW18, MS16, PA19, PG17, PW18b, RZ17, RRD16, SZW+16, TP17, TRL18, TLB+18, VAD17, WLW+18, ZGD+16, bWAW15, dFGS+17, tEDKT17]. acoustic-convective [tEDKT17]. acoustic-transport [PG17]. acoustic-wave [GFC18]. acoustically-conservative [DXvW18]. acoustics [BDJ19, SK15a, ZR17]. across [KF17, LMM17]. action [W17]. activation [VLP+16]. Active [ZLC+18, CDX18b, CEL15, DCP15, DKPC15, KBG+15, RBS15, RC18]. active-strain [LHY+19]. acted [BBMN18]. actuator [GPAO+18]. Adams [ZM16a]. Adaptation [KRFV16, ALO18, BOA17, BAD19, BD16, CGL18, DLK17, FBG15, GCVM15, GSN17, HK15b, KLA17, RN18a, RRMF+19, SW15, TST17, TVB+16, TG17, WBBC16, WCT18]. adaptations [VLAB18]. adapted [BWR15, DBMB15, Rag15, RHvR+15, SL17]. Adapting [BHdD18]. Adaptive [ABP+16, BV15, BDM17, BS15b, CEH16, FW18, FPASS16, GBBZ16, HEPG15, HXB15, LW17a, LH17b, LNM15, MG17, MBBKTH17, PS16, PR17b, Q816, RKO+17b, SS15a, SL18, TCA16, TWH15, VN15, ZAK15, ZLH+17, ZHI5, AMS17, AWS16, AC17, BGS16, BHL15, BST+18,
BHS$^{+18}$, BST15, BRW15, CPV16, CC17a, CQ15, CS16c, CTG16, CYYL18, CYWL17, DS16, DMS17, DS15d, EL17, FOF15, FGLW18, FBM16, FLHA17, FHA18, FC16, GB15a, GRT18, GTG15, HD18, HS17b, HS18a, HIT$^{+16}$, HLY17, HY16, HYL17, Hu17, HXX18, HW16c, HC18b, IGQ15, JW15a, JJ18a, KCW17, KG15, KDPK15, KC18, LS16a, LL15, LZ17, MBSS15, MNG15a, MBM$^{+18}$, MMSS15, MGBG16, MW17b, MDAB18, MSB$^{+16}$, MM16d, MM18, NdLPCC19, NVBDV15, NBH18, Pop15, PVB17, PC19, QLF16, RDG17, RDM15, RS15b, SRB$^{ ´O17}$.

Adaptive

[SwS16, SWHV16, SC16, SLdTV18, SD18, TCS16a, TMWF18, TXKvdV16, TL15, TSB$^{+18}$, TABR17, URL16, WDG$^{+17}$, WDS15, WBM15a, XTYL18, XWZ$^{+18}$, dlAC17, BDV17, COdLL18, PSB$^{+18}$, WSJY16].

Adaptive-Mesh-Refinement [SL18]. adaptively [HC18a, TR17].

adaptivity

[APP$^{+16}$, AKM$^{+19}$, BHZ16, BG19a, GBD$^{+15}$, JKE$^{+17}$, OKWE17, WKO17].

added [BHKS16]. added-mass [BHKS16]. adding [DL18a]. additional [Abg18a].

addressed [CSCM16]. ADER [BK16a, BLD15, BDLM18, BTVC16, CTM$^{+16}$, DPRZ16, DPRZ17, Jac17b, JC17, NMM15, NMM16, NMM18, Nor15]. ADER-MOOD [BDLM18]. ADER-type [BTVC16].

adhesion [ISST18]. adhesive [FRL15].

ADI [BC16c, FBF15]. adiabatic [BLVC16]. adjacent [MP16, ZYK18].

Adjoint [AMJ17, Blo17, RPC$^{+18}$, SW15, Cac15a, Cac15b, CYYL18, DK18a, DK18b, HL15a, JW15a, KPKG15, LYPP17, Loz17, MMMS15, SSC$^{+16}$, Stii15, VBF15, XRMM15, ZP16].

Adjoint-based [AMJ17, RPC$^{+18}$, SW15, CYYL18, JW15a, Loz17, MMMS15, SSC$^{+16}$].

adjoints [Fid17]. adjusted [CW19]. adjustment [APT17, OSP17]. ADM [CvKH16, HCVH18, Ani16].

adsorption [ZQCT15]. Advanced [TK16, TM17, WB17, KH15, KPJ18, SSL$^{+16}$, Zoh17]. advances [PC16].

advancing [AW16, CcdL15, ZJ18]. advected [HM17]. advecting [PR16b].

advective [AJVH17, BHdD18]. advective-diffusive [AJVH17]. aeroacoustic [ZHZ16]. aeroacoustics [BCD$^{+15}$, JC17, PCBG18, SWS17]. aerodynamic [GGW17, Loz17, TZ16].

aerodynamics [SPP$^{+16}$, TVB$^{+16}$]. aerelastic [LHY17, MM17, SPP$^{+16}$]. aerosol [KH15]. aerosols [SNB$^{+15}$]. aerothermal [ED16].

AETHER [TC15d]. affect [VW18]. affine [JST17].
affine-particle-in-cell [JST17]. Affordable [sCYxL+18, WG16b]. against [sCYxL+18]. age [LDZW15]. agglomeration [BCB17]. aggregate [GP17]. aggregation [XR17]. aging [SAH17]. air [CHE+17, DBD+17]. aircraft [KYUO15]. airfoil [FW17]. airfoils [CPS17]. al. [CFO18, YM15]. ALE [BQCG17, BMC+18b, CGP16, DG16a, DLM18, FRW16, Liu16, OMLdL16, RDG17, RXS16, ZS16]. Algebraic [CvKH16, CFvKH18, HCVH18, TAH16, ANL+16, BST+18, HHR15, RWG18, TWH15, WS16]. algorithm [ABN15, ALM15, AA15, BSK15, BHK916, BHST17a, BHST17b, BHST18, BDBEE15, BCM15a, Bre18, BZ16b, BKG15, CPV16, CM16a, CC16a, CS16a, CC17a, Cha16, CQ15, CZ17, CRMP16, CWJ18, DF17, DVxW18, Don15b, Don18, Djl+19, DH16, EAAM15, ETAG15, EBQ15, FHY+19, FL18, GL16, Gen11, Gho17, GJ15, Gro18, HSK+15, HTZG17, HPV16, HYL17, HHK15, KBK15a, KC17b, KKLS17, KF17, KK16, KL18b, KJ17b, KJ18, LM15b, LL18, LMC16, LHB+16, LY17, MS15a, MBHS17, MA16, MK+17, NOM+17, NKN+17, NSB15, NLL+15, PVFN15, PSB+18, PKL17, PN17, PLWJ16, Ram17, RY17, RC18, RLP16, RL18, RL17, ST16, DD17c, SWS+18, SK17, SS18b, SPM+15, SW17b, SCC19, SO15, SR18, TCS15, TPTT18, TH16, VYP15, VBG+17a, WK18, WS16, WKOI17, WS15a, Wn16, XL17a, XDSX17, ZZZ15]. aligned [KKLS17]. all-hex [RGW16]. all-Mach [TAH16]. all-regime [CGK17]. all-scale [SDH+16, SSX16, SKW19]. all-speed [AIP17]. Allen [JJ18a, KJYC17, WX17]. allowing [CSCM16]. alloy [AZK16, BGJ+15, MTL+17, RTO15]. alloys [DMS17, OTS17]. almost [VK15, BPTA16]. Alternating [LP16, LZT+15, SS16b, SZ17]. Alternative [BVG+16, MG15b, Pei16, PSP16, WLGD18]. Ampére [DL17, CC15z, TC15a, TKC15]. Amplitude [GHL15, GHL+16]. AMR [DWGW16, PSB+18, DD17c]. AMS [TAH16]. analogue [BN17]. Analyses [YM15]. Analysis [APJ15, ADOP18, BG16b, CYYL18, CodLL18, GK18, HTMP17, JL16, LZZ+17, UWH17, YCB15, AM17, AW18, AA15, ACJ17, An19, ADP+17, BK17b, BK19a, BHST17a, BHS+18, BM16, Bly17, BW18a, BGM16, BVC16, Cac15a, Cac15b, CKK18a, CBC+18, CW16, CNW17, CNOS15, CC17c, CSL15, CV18, Cwy17, DC18a, DDV18, DK18a, DK18b, DMS16, EL18, GB15b, HD15, HW16b, JRP18, JPLL15, KSL16, KMD16, KSV+15, KLF17, KD17b, Kri17, Lap16, LT15, LDL+16, LLJ18, Lia16, DV17, LBB+17, MBJ16, MBNJ16, MH19, Mel18, MDMS18, MHGM+15, MDM17, MMP18, MTL+17, MF16b, MSP15, MSP16, NW17, NF17, OWKE16, PXXZ15, Par17, Pei16, PZF16, QIS16, RWK16, SVG18, SUR18, SS+17, SW17b, SPB16, TCA16, TST+15, URTG18, VPM15,
analytic [LGB17]. Analytical [AHHC18, QWXZ17, SWML17, AB17, ALTR17, CZ16, DF16, DH18a, EAAM15, FKF17, LC18, LC17a, MD15, MTD15, TM15b].

analytical-stochastic [DH18a]. analytically [RRM16], analyze [UG16].

Anatomically [ANL16], anchored [MS16b], anchored-ANOVA [MS16b]. anchoring [AHHC18]. Anderson [AJW17, PSP16]. anelastic [SHLG15]. aneurysms [YPK16]. angiogenesis [BC16a]. angle [CHE17, Don17, Gan15, Hig17, KL15, TSR15]. angles [BFP18, HKS16]. angular [DL15, ABP16, BCG15, GBD15, JST17, KL15, MFG15, OWKE16, ZM16b]. animals [PBP18]. anisotropic [BG19a, BD16, BDV17, CS18a, DPK17, ALO18, BJWZ17, BOA17, BAD19, CP16, CGL18, CLS18, CSG17, Chn17, EH18, FBG15, GMP16, GFG15, GH17a, HHA16, MDT16, PSL15b, PC19, RMA17, RN18a, RRMF19, SAEF17, SS17c, SDW18, TW17, TMT17, TTN16, VLAB18, WHY18, ZSW17, vEKdB16]. anisotropy [CGG18, YC16]. annealing [ZWYW18]. annual [MBJ16, MBNJ16]. annuli [MF16b]. anomalies [BM19, NMM17, PKLS17].

any [RCRF16]. AP [WSJY16]. AP-Cloud [WSJY16]. aperture [SG18]. apertures [SL16a]. applicable [QY19]. Application [APP16, AS17, AP16, Ball15, CC17a, CGM15, EG17, GPS17b, GCVCHH18, HHCG15, KSV15, LSLA16, MMN16, MG15b, MB15, NOM17, NMM15, OS16, Pls18, RC18, SRBO17, SWS18, SZ15a, SI16, SI17, TCD17, Tav16, TWM18, VALT16, Zau16, ASB15, Ana18, AJW17, BCSK17, BAD19, BLG16, BTA17, BZ16b, Cac15b, CGSS18, CKK18b, CP16, CLG19, Cot16, CW18, DS16, DL17, DAO17, DS15d, DYL19, ECC18, EJMI18, FBL17, FPT17, GWC17, HKH16, HTMP17, IPG15, JL18c, KG15, KFWK17, Lin16, LEB17, MRA16, MKYZ17, MP16, MSP15, NMM16, NMM19, NBH18, PK18, RXS16, SDMS17, SWS17, Sir19, SW17b, TMWF18, TSB18, TD16b, TRLK18, Vog17, W17, WSS15, WB17, WKSS15, XYP17, YR15, Was17, ZM16a, Abg18a, BD15b, HTBG15, NMM17].

Applications [Chn17, KKL15, KHP15, MM16c, NFG15, PS18, PQR17, TBG16, TCS16b, ACCDA16, ALKZ16, AAD16, ADSS15, BHGK18, BDP18, BW18b, CCK17, CNB16, DD17, DCL15, DDV15, DY17, DZC16, FK17, GBR15, GFO18, HWW16, pHzSrC15, JL15, J15, KADE15, KADE17, LB17, LSD18, MWD16, MW16b, MS17, MS18d, NLFM16, PC19, Ram17, RG15, Say17a, Say17b, SA15, SK19b, Spo15, SCLG15, TP17, TMH18, YNW17, YL16, ZsSK15, ZPE16]. applied [AGRB18, BC16a, DCP15, DZ16, DGL15, GBD15, GFvR18, HR18b, JDR18, LML16, NRZS17, PBA15, PA15, SWPS17, WS16, ZCHS15, dFVJ15]. Approach [TK12, TK15b, ADFG17, AMJ17, AS17, AR16b, AMM15, AM17b, BVM17a, BB17, BHS18, BSM16, BDP18, CGS18, CMP19, CKK18b,
approach [TFGK18, Tav15, TT17b, TAJ17, TND18, TABR17, Vos17, WLL16, WT16, XYPT16, XWW16, XWZ18, YS18a, YL16, ZL15b, ZC18, ZZPH18b, ZZPH18a, ZCL17, dJRP15, tEDKT17].

approximate [FF19]. Approximate [EAAM15, KEJ18, KKLS17, MKYZ17, PP18b, Ama15, AB17, BSWG15, CLY15, DLY19, LZT15, MM16a, SPW18, WHL17, WSN15, WLK16, XM18]. approximated [LDGH16].

Approximating [CFO18]. Approximation [ABM16, BC16b, CT15, KK17a, LB15, OS16, ALK16, AEL15a, AEL15b, VMN18, BDK17, BA15, BZ15, BKKB16, CL18, CCZ18, CQ15, CS15, CLP16a, Cot16, DH18b, DCB15, DZC16, EMZ16, GZ18, pHzSrC15, HKLZ18, HB16, Ike18, Jou15, KZ15, LTKA15, LLY15, LZ17a, ILL15, LLVF15, LY16, LY17, MML17, MP15b, MP16, MB15, MN18c, PCX17, ST18a, SS18a, SWX18, SLdTV18, SAOW17, VSD18, WX18, YYL16, YY16, ZCL17, ZNX15, ZV18, Zil15].

Baer-Nunziato [DG16a].

Balance [PMF+18, CTM+16, LPWK15, LM16, MRXI17, MN16c, NLFM16, RPC+18, TM15b, VK18, WYA+17b, XZZ15].

balanced [AASPT18, ABT16, CCK+18, FNGDMNR18, FGLB16, GLK19, LX18, LMKS15, LAEK18, MDBC17, NMM15, NMM16, NMM17, NMM18, PME+15, XCM17].

balancing [CV17, GFA+16, JBL015, KJ18].

ball [CWJ18].

ballistic [TP16b].

ballooning [WSH+17].

band [AAB+16, KH18, MHJ15, WHZ18].

band-Krylov [AAB+16].

banded [JH17].

bandgap [BD+17].

Bandwidth-based [WCT18].

Barotropic [CK16a, XWB15, YR15].

barrier [AW16].

BASE [HD18].

BASE-PC [HD18].

Based [ABM16, DJV+18, AAE17, APV+18, AMJ17, AS15, A16, AB16b, AA15, ABT17, Abic+18, BJO18, BSK15, BTD16, BFI+16, BD15a, BK16a, BVG+17, BLM18, BCO+15, BFF17, BRI18, BC18c, BM16, BZ15, BDBEE15, BTB15, BCM15a, BS15b, BGG16, BCB17, BPD19, BC16d, BKL17, CDM+16, CCHL15, CGS18, CDC17, CGL18, CCI6b, CJ+17, CQ15, CJL16, CJZ+16, CYYL18, CLL17, CLX15, CGJ16, CLQ17, CELZ18, CMH15, CV16b, CYWL17, DRP+16, DCA+16, DRMI15, DC18b, DX+18, DPW+15, DF16, DLK17, DL18b, EH14, EH15, ES18, EM19, EE16, FRL15, FHY+19, FWK17, FG16, Fd17, FB15, FDPT17, FK17, FSK+16, FC14, GL18, GSS15a, GZ+17, GMLD18, GHH15, GOR17, GO15, GCVMK15, GFA+16, GD+15, GN16, GL18, GJ18, GJ18, GSN17, GFW16, HGR16, HEG15, HZ+15, HTZG17, HP17].

based [HDA+18, HMJ18, HW15c, HW16c, HLL+18, HKS+16, iI15, ISST18, J15a, JL18, JKE+17, JZX18, JZ17, J18, JKF17, JTD16, KM17, KFF+17, KK+16, KP18, KRFV16, KC17, KG15, KP15, KK17, KG+17, KSL18, KB17, LH17a, LY15a, LKK17a, LC18, LLY18, LYY15, LJJ15, LLL+16, LSL16, LCC17, LL17, LCC17, LLY18, LGB16, LSTk15, L16, LW17d, LYH17, LKS17, LYY16, LYY16, LYY17, LZW+17, LP17a, MN18a, MMB18, MNG15b, MKS18, MW16b, MP17, MBG16, MMMS15, MVZ16, MCHL16, Moh15, MZ15, NBT19, NPP15, NPR15, NL17, Niu16, O18, OS16, OSP17, OPH15, OV17, PXX15, PC17, PDG+17, PD17, PPLC16, PUA+15, PPB18, PR16a, PIR16a, PLWJ16, PSM18, PR16c, PMB18, RO16, RY18, RRM+16, RMLvR18, RRL19, RXSG15, RX16, RC15, RN18a, RM16, RPC+18, RRMF+19, SNSG16, STR15, SRB17, SNB+15, SBT17, SPB17, SLH18].

based [SL18, SGC+17, SSC+16, SP16a, SF18b, SW15, SLL16, SKO17, SL16a, Sto16, SWZ17, TC15a, TCK15, THG18, TW17, TLQ16, TD17, VLAB18, VCK19, VB+16b, Vos17, WG16, WW15, WR15, WDS15, WHL17, WSN+15, WCT18, WCC16, WH16b, WHZ18, XB18, XYR16, XD17, XDS17, XS15, XTYL18, XWZ+18, XM18, XZ18, Y17, YSW15, Y16, YZW15, YZA+16, YXX+16, YB17, YZZ15, YCS+17, ZL15a, ZHA17a, ZC18, ZVO15, ZSX15, ZYCK15, ZGD+16, ZM16b, ZCL17, ZLC15c, ZLGS18, ZW17, ZPE+16, dFJS+17, tEDKT17].

bases [AAE17, LMBZ15, MJ17, RSB16].

Bashforth [ZM16a]. Bashforth/Moulton [ZM16a]. Basic
[DC18b, WRL16a]. Basis
[HD18, Mue18, TST17, AH15, Alm19, BVS18, CMP19, CQ15, CS16b, CS18a, FHY+19, FGLB16, FBW16, GBvZB16, HXB15, JES15, JLI17b, JWH16, KKL15, KMGR16, LB15, LL16c, LHY17, Lot18, MVDK15, MF17, ML16, MR16b, OS16, PDG+17, SKS17, SMT+16, Sha17b, SF18b, SW18a, SP15b, TG17, WQZ15, XYPT16, XL17a, YYL18, ZLH+17]. Basset
[CFO18]. Bassi [MRRRF18]. Bateman [BP18, JFS17]. Bathymetry [WWGK17]. Bayesian [A´APB17, CZB15, CS16b, CN16, CMW16, EZG15, FHY+19, FGLB16, FBW16, GBvZB16, HXB15, JES15, JL17b, JWH16, KKL15, KMGR16, LB15, LL16c, LHY17, Lot18, MVDK15, MF17, ML16, MR16b, OS16, PDG+17, SKS17, SMT+16, Sha17b, SF18b, SW18a, SP15b, TG17, WQZ15, XYPT16, XL17a, YYL18, ZLH+17]. Basset
[CFO18]. Bassi [MRRRF18]. Bateman [BP18, JFS17]. Bathymetry [WWGK17]. Bayesian [A´APB17, CZB15, CS16b, CN16, CMW16, EZG15, FHY+19, FGLB16, FBW16, GBvZB16, HXB15, JES15, JL17b, JWH16, KKL15, KMGR16, LB15, LL16c, LHY17, Lot18, MVDK15, MF17, ML16, MR16b, OS16, PDG+17, SKS17, SMT+16, Sha17b, SF18b, SW18a, SP15b, TG17, WQZ15, XYPT16, XL17a, YYL18, ZLH+17]. Basset
[CFO18]. Bassi [MRRRF18]. Bateman [BP18, JFS17]. Bathymetry [WWGK17]. Bayesian [A´APB17, CZB15, CS16b, CN16, CMW16, EZG15, FHY+19, FGLB16, FBW16, GBvZB16, HXB15, JES15, JL17b, JWH16, KKL15, KMGR16, LB15, LL16c, LHY17, Lot18, MVDK15, MF17, ML16, MR16b, OS16, PDG+17, SKS17, SMT+16, Sha17b, SF18b, SW18a, SP15b, TG17, WQZ15, XYPT16, XL17a, YYL18, ZLH+17]. Basset
[CFO18]. Bassi [MRRRF18]. Bateman [BP18, JFS17]. Bathymetry [WWGK17]. Bayesian [A´APB17, CZB15, CS16b, CN16, CMW16, EZG15, FHY+19, FGLB16, FBW16, GBvZB16, HXB15, JES15, JL17b, JWH16, KKL15, KMGR16, LB15, LL16c, LHY17, Lot18, MVDK15, MF17, ML16, MR16b, OS16, PDG+17, SKS17, SMT+16, Sha17b, SF18b, SW18a, SP15b, TG17, WQZ15, XYPT16, XL17a, YYL18, ZLH+17]. Basset
[CFO18]. Bassi [MRRRF18]. Bateman [BP18, JFS17]. Bathymetry [WWGK17]. Bayesian [A´APB17, CZB15, CS16b, CN16, CMW16, EZG15, FHY+19, FGLB16, FBW16, GBvZB16, HXB15, JES15, JL17b, JWH16, KKL15, KMGR16, LB15, LL16c, LHY17, Lot18, MVDK15, MF17, ML16, MR16b, OS16, PDG+17, SKS17, SMT+16, Sha17b, SF18b, SW18a, SP15b, TG17, WQZ15, XYPT16, XL17a, YYL18, ZLH+17].
Block-diagonalization [LWLC17]. block-structured [FGLW18, FLHA17]. block [LH15]. blocky [SSL17]. blood [APR+15, BB17, GZM+17, GDFL17, GFL17, MB15, MLB16, ZZDB15]. blow [GY15]. blow-up [GY15]. Board [Ano18a, Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h, Ano18i, Ano18j, Ano18k, Ano18m, Ano18n, Ano18p, Ano18q, Ano18s, Ano18t, Ano18u, Ano18v, Ano18w, Ano18x, Ano18y, Ano18z, Ano19a, Ano19b, Ano19c]. bodies [BHS17a, BHS17b, BHS18, CFSN18, CGR17, JBM19, LTB16a, LC17a, MM16d, NJPB17, PN18, PR16a, QYF15, RW15a, RXS16, SGMS16, TOR+15, ZLGS18, dTP16]. body [ABT17, BOA17, CZBC+18, LC15, LSP+18, NBT19, PLWJ16, Sat17a, Sat17b, SD15, STKH15, TRM16, WG16a, WE15, YXF+16, YDCK16, ZJ18]. body-fitted [BOA17, ZJ18]. body-force [WG16a]. body-forces [YDCK16]. body-of-revolution [NBT19]. Boltzmann [MP15b]. boiling [JS16, SN15, VALT16]. Boltzmann [GBCF16, GSS15b, ARF18, AS16, APT17, AJVH17, BP18, BWR15, BTVB15, BAR15, CT15, CG18a, CVG18, CLM15, CSB15, CYWL17, DLNR18, DCBK15, EG18b, Eva18, FGL16, FB17, FBL17, FKF17, GR18, GPS17a, GPS17b, GR15, GBCF15, GW16, HK15a, HLML17, HW15b, HLU15, HJ16, HY15, HYY15, HW15c, HYY16, HW16c, HW16b, HW18, Hwa16, JAH19, JSY15, KG15, KP15a, KL15, KS15b, KS16d, LMS15, LFDP16, LL16b, Li17, LDW15, LWB+16, LXS16, Liu19, LM15d, MG17, MK15, MHGM+15, MKV+17, NIS16, NIS15, PL16b, PMGW16, PGGW18, PFL16, RS15a, RTO15, ST18a, STW16, Shi17, STG17, SWL19, TS17, VMM19, WSY15, WSHT15, WSY16, WGM17, WZ15, WZL+17, Xie15, XJ16, XTYL18, YFKS15, YYY+16, YC16, ZL16, ZYW16, ZY17, ZQCT15, ZWG17]. Boltzmann-BGK [Eva18, HHY15]. Boltzmann/Finite [GSS15b]. Bond [TRM16]. bookkeeping [HB15b]. boosted [YXD+16]. Boris [EBQ15, WSR15]. Born [OLV16]. Bose [ALT17, Rua18]. both [CFF18]. bottleneck [OZ17]. bounce [Ols15]. bounce-back [Ols15]. bouncing [SGP17b]. Bound [EHXM15, HS18b, QSY16, CXY19]. Bound-preserving [EHXM15, HS18b, QSY16, CXY19]. boundaries [AB17, BLS16, EG18b, FB17, GSN16, HF18, JSY15, LH16, LSLA16, MAK15, MM18, RF18, ST18a, YM17b, YTW15]. Boundary [BCD+15, BCO+15, BDO+17, BAR15, CV18, DKK15, GPAO+18, GZ17, GD19, GBS15, HY15, KSM19, KZR15, MA12W18, Pan15, PF16, RV15, RWF18, SGT17, TSN16, TBLJ15, WSY16, AR16a, ABN15, AB16a, AMS17, AB18, AMP16, AHC18, ACS16, AG18c, AR16b, AKM+19, AEv19, BC18a, BBK16, BK18, CXY17, BRK+18, BN15M, BFB+17, BDB18, BC18b, BNN18, BNS17, BPT16, BSP18, BG19b, BG16a, BHF15, Bre17, CD17, CGL18, Cha16, CG18a, CYWL17, DJ18, DGHP17, De18, DSH+16, DC18b, Dod17, Don15a, DS15c, Don17, DSS18, Du18, DL18c, FR18, Fu15, FH17, FG16, FPDT17, FG19, FN17, GP17, GGT15, GLMC16, GC17, GVTQ16, HL15a, HTFL18, HG18W, HP17, HR17, HKH+16, HLY15,
HLSY16, HHY15, HRY16, HDF18, Hue15, IKI15, JSP16, JL17a, JW15b, Jsy15, KDF15, KLS15, KADE15. boundary
[KLC18, KHHN16, LTB16a, LC15, LLEK17, LM18, LXC+15, LFDP16, LBZA16, LCK16, LZ17b, LC17b, LD15, LTWZ18, LHW+17, LYP17, Loz17, LFT+16, LHA16a, LWTF19, MS18a, MS18b, MK15, MAP17, MA17, MKS18, MTT19, MP15b, MMP18, Mue18, MN18c, Nis15, NL18a, NW15, Ols15, ÖPHA15, PLL+15a, PHHR17, PNZ18, PPLC16, PKJ+18, PCN15b, PN18, PLL15b, Pes15, PTT18, PE16b, PMF15, PDR17, PG18, PGI15, PV17, QSB18, QM18, RS16b, RS18, RDG17, RZ17, SS17a, SWS17, SL17, SKF15, SKF16, SHKL16, STXL19, SF18a, SK15a, SMA+16, STG17, SLVE18, Smi18, SMLB15, SMI18, ST18c, SMOM17, SGT16, SCLG15, STi15, SJH+15, TCD17, TZGW18, TP17, TTN+16, Tsa15, Tsa16, TFK17, Vai15, VAD17, WN18, WG16a, WZ15, WE15, WCH+17, WL18, WS15a, WBM+15b, WGME17, XY17, XTYL18]. boundary
[YK15, YS15, YD18, YM17c, YZZ15, ZL15a, Zha16, ZG18b, ZY17, ZSX17, ZZZ17, ZH16, ZRT18, dDPG19, dTP16, SCS16, SIX16]. boundary-constraint
[XY17]. boundary-integral
[QM18]. Boundary-Lattice
[PF16, LFDP16, WSY16, XTYL18]. boundary-layer
[NL18a]. boundary-value
[W15]. bounded
[AG18, BLS16, Don17, IM17b, JHPAT17, KBR17, LI15, MS18c, NGY+17, YLA15]. Boundedness
[HDA+18, SMD18a, SKC17]. Boundedness-preserving
[HDA+18]. bounds
[BMC+18b, HFND18, MCK18, MM15, Tso18, WK18]. Boussinesq
[UL16, ZA15a]. boxes
[SS17b]. Bracket
[Suz18]. Braginskii
[MIP16]. brain
[TT17a]. branches
[XL17b]. break
[GWYS18]. breaking
[AW16, FKR16]. breathing
[MCHL16]. Breit
[JDR+18]. brick
[WR16]. brick-tetrahedron
[WR16]. bridging
[DPW+15, SDJU15]. brief
[Shu16]. Brinkman
[GX15, HKLW15, LPB17, STG17, SHW17]. brittle
[ZHLZ18]. broad
[JB15]. broad-area
[JB15]. broadband
[ZZH16]. broadening
[DDJ+17, JDFS16]. Brownian
[BT17a, BRK+18, DH18a, MMW15, SPRW15]. bubble
[FP18, JSVD17, ZL15a]. bubbles
[HTBG15, KZR15, SKF16, WB17]. bubbly
[ML18]. building
[AR+17, CC17a]. built
[B18a, TBG16]. built-in
[TBG16]. bulk
[CM18a, COV18, PK17, ZV16]. bulk-surface
[COV18]. buoyancy
[KAI8, LT15]. Burgers
[EAAM15, MK17, dhHC16]. burning
[SNB+15]. BVD
[S16]. bypass
[BFI+16]. bypassing
[C16]. C [SRBÖ17]. CAF
[GBR15]. Cahn
[HTMP17, CS16c, CLS+18, DD16a, DJLQ18, GX15, HW15a, JJ18a, KS16a, KMD16, KJYC17, LJZ15, LCK16, MGCW18, Tav16, WX17, ZSX17, ZYCK15]. calculate
[LSP+18, WT16]. calculating
[DB16a, SWZ17]. calculation
[AAL15, CLY+15, CHE+17, For16, GZ18, HS17a, HM16b, KH18, Mac15, MH19, MDP18, QS16, SY17, SFP16, Yan17]. calculations
[ADFG17, CSN18, EH14, EH15, GLZ16, HED+16, HLTC18, KK16, LHS+18, LKN17, LLV+15, LY16d, LY17, MJ16, Mas18, MDP+15, PDD+17, PU+15, PD16b, RO16, WKSS15, XS15, ZJLC15, ZLH+17]. calculus
Calderon [CC17c, MHS16, NBT19, SMC15, SP18, VBL+16]. Canonical [CC17c, MHS16, NBT19, SMC15, SP18, VBL+16]. calibration [LSWF16]. capabilities [AKZ16, PJE+16, SSC+16, SP16b]. capability [MMPS17]. capsule [BLJ17, ISST18]. Capturing [Sid18, BJ15, CLG+19, GHR17, JBM19, JSS15, JLC15, KYW+16, KYW+18, KLWQ17, LTWZ18, OSKN18, PSSI17, QWX18, SP15b, WL17, XX17, ZSMP19]. Carbon [WDG17]. Canonical [CQL+17, LBZ16, KS16b, RBD17, ZZH16, ZZT+16]. Canonical [CQL+17, LBZ16, KS16b, RBD17, ZZH16, ZZT+16]. carbon [GGL+17]. carbuncle [sCYxL+18, Rod17, Rod18]. cardiogenic [CGG18, MSV+16, VLP+16]. cardiology [PQR17]. Carlo [BC16b, Gho17, Mac16, AR16a, BP18, BTA17, CSS15, Chau16, CL17, CSN18, CG15, CW18, CHE+17, Cos16, DPW+15, DGL16c, EARA15, EN17, FDKI17, GB15b, GMS16, Gen11, GDS+16, GAJ15, GBU15, Hig17, HC17, HMRG16, ION+17, KM17, KMS+18, KL16, KC17b, KE17, KK17b, KLGO18, LS15a, LBTG16, LP118, LYCC17, LB18, LB17, LXL17, LWL18, MNO+17, MZTS16, MSS16, NHA18, PJE+16, PUA+15, PDS15, RFPSSA18, RRL19, RH15, SY17, Swe18, TSI15, WBC+16, WL16, XZZ15, XR17, YC15, ZLJ16, Zil15, vdKK16]. carriers [SU15]. cartesian [ADOP18, FGLW18, ACS16, BKK18, CA16, CX16, DD18, DM16, GP17, GKK18a, GKK18b, HS17a, HSL18, HL1+18, LPW15, LGB17, MM16d, MM18, QDRB15, QLF16, RBI18, STK+16, SL16, Sii16, XTLY18, dBIM16]. cascade [SFT16]. cascades [FBL17]. cascading [PHHR17]. case [BH16, CG15, FNG18, MRRRF18, PP19, Rod18, VSM16a, VSM16b, WLE17, ZR17]. CASL [TK16]. casting [Swe18]. Cauchy [LY16a, MAST15, PZ16]. cavitation [ESHA16]. cavitation [MC18, OP15, PS14, P15a]. cavities [VMN+18, GFvR18, HK16b, LGO17, PLL15b, UWH17]. cavity [EN17, GKE15, MH19]. CCH [BM15]. CCS [SFT16]. CCS-RG [SFT16]. CE [WMS18]. CE/SE [WMS18]. Cell [CLMZ17, DFS16, LAL18, TMT17, AR16b, BTGM17, BGTM18, Bat17, BKK18, BMRA+15, BDZ15, BDL18, BLC+17, Bra16a, BMCK15, CHJ17, CGP16, DM16, DJV+18, DL15, DL16, FGLW18, FLW16, FS17b, GBM16, GFA+16, GKK18a, GKK18b, GL19, GH17b, GPG17, HHH+16, HXL15, ISST18, JST17, KKH18, KHTZ16, KBT17, Lap17, LPW15, LY151, LY15b, LSD+17, LSTK15, MMN16, MHZ+15, MM16d, MM18, NRZ15, PXR17, PE16a, PHO+16, PMF15, RH18, SGMS16, SS15, SCLG16, SPC16, dCPDC+17, TM15a, VSM16a, VSM16b, WHY18, WCC16, YX+16, ZXD17, AG18, DDD17, MNO+17, MZ+17]. cell-based [KBF17]. Cell-centered [LAL18, TMT17, BDZ15, BDL18, BMCK15, CHJ17, CGP16, DL15, FGLW18, FLW16, GBM16, LY151, LY15b, LSTK15, VSM16a, VSM16b, ZXL17]. cell-centred [Bat17]. cells [DF16, HQX15, HGR16, PG18, X16]. cellular [BB17, DMS17].
AW18, BZ19, Bre17, CZL18, Fan16, GS15a, HF18, JPSX18, Ler16, LZZS15, OVP15, PX16, RSH+17, SS16b, WIW+18, WL17, YWHP15. compaction [MDP18]. Comparative [ED16, KS16a, KGS17, CX15, MVZ16, RS15a, TK15a, WMM+18, ZED15]. Comparing [GBR15]. Comparison [ED16, KS16a, KGS17, CX15, MVZ16, RS15a, TK15a, WMM+18, ZED15]. Comparisons [MAM16]. Compatible [BMC+18b, MO18b, SY18a, BC18b, EL18, GBM16, KSVB18, KSSL18, SGC18b, SLVE18, SO15, TMH18, YSC+17]. Compatible-strain [SY18a]. complete [MG15a, SD16]. complex [AMS17, ALM+17, AC17, AEvW19, BB17, CGSS18, CZL+15, CD17, CRZ17, De18, DOO17, DD16b, FLT18, GLS15, GS18, GEZK16, HAPK15, KJ17b, LCK16, LBTK18, MK15, MR16b, Noe15, RS16b, SMLB15, TK15a, TP16b, VBG+17a, VD16, WXW15, WRRS17, XDvW17, YDCK16, ZYW16]. complexes [KSVB18]. complexity [LYCC17, OZ17]. complexity-bottleneck [OZ17]. complexly [GN16]. complicated [ABFR16]. component [Did17, FB15, GZ17, HHM17, KS16c, LFDP16, LCK16, STW16, Tav16, Vos17]. componentwise [CLP16a]. Composite [SGP17a, BCM15b, JHPAT17, JW15c, LJZ15, LSS16, ZWYW18, RZ15]. compositional [BMT18, CFvKH18, GV18, MTZ16, MTJ17, MTJ18, MF16a, WKSS15, XML17]. compound [MT17, PZNG15]. Comprehensive [RLV16]. compressibility [GZM+17, HP17]. compressible [AIP17, AD15, AMS17, AZ16, ALA16, BTD16, BHK16, BMP+16, BJ15, BAD19, BHF15, BC16c, Cai16, CM18a, CBS18, CFSS18, CYL+16, CYYL18, CZL18, CSN17, CXY19, CC16c, CPS17, DDJ18, DJ19, DG18, DWR18, DLM18, DIX+18, DXV18, FMRZ17, FST15, FHA16, GOR17, GHR17, GWK16, Ger17, GKN18b, HLI15a, HZL+15, HTZG17, HTBG15, IGQ15, JSP16, JPY17, JY18c, JLC18, KDI17a, KKH18, KS17, KTK18, Lap16, Ler15, Ler16, LW17b, LPR18, LSD+17, LSR16, LH17b, LSZ18, LNM15, LZW+17, MA19, MDAB18, MM16d, MM18, NDCB17, NF17, OSKN18, ŌPHA15, PX16, PHHA18, PL18, PSS17, PSB+18, PM16, PWC18a, PCN15a, PCN15b, PHÖ+16, PS16, PT18, PBC+17, QLF16, QSB16, RLV16, RMF+18, SWC18, SWS17, SPD+17, SP15a, SGMS16, SHA16, SWPS17, SY18b, SKC17, SST+15, Svâ15, TD17, THW15]. compressible [TGY18, TT16, TABR17, VM15, VGZ18, VSM16a, VSM16b, VBF15, WW15, WLM15, WCH+17, WS15a, WDGW17, WL17, XYF+17, YSW15, YSWS16, YWS+15, Zha17c, ZHA17a, ZMCC18, dbIM16, dfVJ15, dLDG+18, dPS16, vOM17]. compressible-fluid [FHA16]. Compression [LY15c]. Compressive [HD15, LSD18]. Comput [ASS17, CNG17, Dav15, DK18a, Gho17, HGN17a, KYW+18, MN17, NG18, PS15a, SWMD17a, SY17, TK15b, ZJS15]. Computation [BDMC15, GGL+17, HKL17, MHL17, MTD15, NL15, Pru18, ALT17, BJR18, BLL16, CGTH18, CC17b, CPS17, CG16, DG16a, Dov17, EMZ16,
FFW17, FCL17, FBG15, FYC+18, GHH15, GFvR18, GLMC16, ION+17, KH15, KSVB18, LVTR15, L016, LDGH16, LDHJ15, MBSS15, MT18, NCP+17, PSB+18, PK17, SCQP16, SWLW19, Tre16, ZZH16, ZLX17, dMRHJ17.

Computational [AK17, BTGM17, BGTM18, BR16, Cac15a, DD16a, EH15, FKF17, Fon16, Gam15, HSK+15, Kat16, MSV+16, PQR17, VS17, WHCN17, XS15, YG18, Zoh17, ATF16, BB17, LL17, BZ16b, BK17, CCBlL15, CV16b, HHC15, JC17, KS16a, KSV+15, KP15b, KZG16, KBF17, LFR17, MMN16, Moh15, NPC15, NJH18, NGS16, PVFN15, PBP18, SBG+17, SLC+18, TTS+16, ZH17].

Computationally [HMBH15, Tav15, PMS15, SXBB15].

Computationally-efficient [HMBH15, PMS15, SXBB15].

Computations [Niu16, EN17, Fal15, FH17, ISP+15, KD17a, KH17, MS18a, MS18b, MC15, MMSS15, PAK+16, RDG17, RXSG15, SGC+17, Sha17a, SMSR18, WMM+18, WF17, ZS16].

compute [FDS+15, PWC18b, RG15, SKF15].

Computer [Fed17, KL17a], computers [GP18, WLC15, YM17a].

Computing [BJTZ15, VMN+18, CAA18, GN16, HLTC18, QLS+19, VCNP18, XP15, ABR16, Cac15a, Cac15b, DL15, FHY+19, GH17b, GP16c, HAPK15, HX15, NJBP17, OD15, RGPS17, RLP16, Roy15, Rua18, VYP15, VCNGP15, VCNOP18, XI16, XZZ15, YX15, ZAK15, ZRT18].

Concave [AKM+19, WT16].

Concentrated [ZVO15].

Concentration [BHdD18, Han16, LSS16, LDW15, SG16].

Concepts [KK17b].

Concurrent [TKB+15].

Condensates [ALT17, Rua18].

Condensation [FSK+16, KKL17].

Condensed [MN16b].

Condition [BSP18, BG16a, Don15a, Don17, GSK18, GSN17, HGW18, HHY15, KLSF15, LM18, LHA16a, MK15, Mue18, Ols15, PLL+15a, PZNG15, PKJ+18, SF18a, SL16b, SJH+15, Vai15, WSY16, YD18].

Condition-enforced [WSY16].

Conditional [FLV18, LDHJ15].

Conditioned [Cot16, JWH16, PLLC16, SO17, WBC+16].

Conditions [AMN18, AR16a, AMP16, AHHC18, ABG18c, BC18b, BHdD18, BJ15, BBN18, BNS17, BPTA16, BG19b, BAR15, BHMS18, Cha16, DGL+15, DS15c, DSSP18, DL18c, DKK15, EG18b, FN17, GGT15, GVTQ16, HL15a, HTFL18, HP17, HKH+16, HY15, Hune15, JP16, JSP16, JW15b, JSY15, KSM19, KZR15, KHHN16, LLEK17, LXC+15, LCK16, LZ17b, LFT+16, MTT19, MP15b, MMP18, MN18c, NW15, PCG18, PCN15b, PE16b, PMF15, PDR18, RZ15, SS17a, SK15a, STG17, Stü15, SC18b, TSN16, TTN+16, VAD17, WN18, WSY16, WGME17, XP15, ZSX17, ZZH16, dDPG19, Pan15].

Conducting [DPRZ16, MML17, Par15, Par17, Par18b, SF18a].

Conduction [CP16, HCC17].

Conductivity [BMP18, HSB17a, KK17a, LYDB17].

Configuration [PS17].

Configurations [RG15].

Confined [GBC15, GBCF16, GSH15b].

Confinement [Ram17, Sid18, RKL18].

Conformal [ADGN17, BC16d, Dom18, Fuj19, iI15, MC17, RMBN18].

Conformation [MOAA15].

Conforming [FKS19, CZBC+18, FNNB19, RRD16].

Conjugate [ALT17, MBHS17, NSK+16, PLC18, STK+16, VYP15, VBG16, YK15, ZVO15].

Connected [LDL+16].

Connectivity [HM19, Liu16].

Conservation
Conservative [ARF18, ADGN17, CCS18, CNG99, CCK+18, IM17b, PF15, TPT16, VSC18, ZSL+19, AHNF15, AMH+18, Abg18a, AASPT18, APP+16, AM17b, BN17, BTVB15, CQ16, CNG17, CC16a, CC17b, Cha18, CD17, CSH15, DG17, DXvW18, DDS18, Du18, DB16b, EH15, FGLW18, FL16, GSK18, GWWC17, HAA15, HS+15, HY15, JW16, JH17, JJ18a, JJ18b, KJYC17, KL18a, KL18b, LG18, LHA15a, LHA15b, MS18d, NOM+17, NN17, NF17, OvdHVH16, PN18, PHHA18, PA15, QWX18, SGMS16, SA16, SFT16, SWL15, ST18, SL16, SY18b, SMAG17, SCC19, SK18, TCS16a, TND18, Wac15, WWR16, WH15, WZ15, WKO17, WRL18, XS19, Zad11, ZA15b, ZG17, FRO17].

conserved [Sto17, WSS+15].

conserving [BC18b, BMC+18b, CCZ15, FGL16, G19, HJZC17, JST17, Lap17, LSYF15, OD17, PG17, SLN15, SD16, TC15a, TKC15, TCSM15, WG16b].

considerations [Co18].

considering [MK17].

consistence [LHA15a].

Consistency [Don17, AWJ17, DDJ19, NG17, NG18, Stü15, Stü17].

Consistent [ML16, AD17, BAG16, Brel17, DK18a, DK18b, DWG+18, Don18, HHR15, HL15a, JSP16, KS18b, KRK+18, MD18, NN19, OMLd16, OLD+16, OLB+17, PKP+17, PNZ18, PN17, Pei16, PS14, PS15a, PMGW16, RMC15, STK+16, SK18, TFGK18, TTN+16, TKP16, TSR15, Wac15, WY17].

consolidation [AGR18].

Consortium [TM17, TK16].

constant [BMPS18, LTKA15, MNR17, OKE17, WG15, ZC18].

constants [OKE17].

constructive [TBO+16, ZLC+18].

Constrained [BKS18, Cot16, CLNH15, TP16, VCE19, FS18, FMPT18, JME18, MAP17, Moc17, Tav15, TD16b, VLN+18, XX16].

constraint [BT17, BGT18, BK19a, CEL18a, FG18, PB18, RS16a, SD17, XY17].

constraint-based [PB18].

constraint-preservation [BT17, BGT18].

constraint-preserving [B19a].

construct [Ag18a, SGC+18a].

constructed [SGC+17].

Constructing [AE15, FN17, LTR16, DB18, EG18a, HHR15, KV16, RT16, XY17].

Construction [HY17, RSB16, AG16, MW16b, OS15a].

consumption [FO+15].

Contact [LR17, ABG+18b, DL17, DH18, Don17, FB17, FRL15, FP18, Gan15, HW18, HK16, LP16, LD15, Liu16, LDG16, LHM16a, MA15, PR16b, SY15, SSA17, TP16a, XZ18, YY17, ZDG16, ZVO15].

contact-angle [Don17].

Contact-aware [LR17].

containing [LKB15].

contaminant
[Har18]. Contents
[Ano16u, Ano16v, Ano16w, Ano16x, Ano16y, Ano16z, Ano17-46, Ano17-47, Ano17-48, Ano17-49, Ano17-50, Ano17-51, Ano17-53, Ano17a, 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]. continental [CS18a]. continua [CEL+18b]. Continuation [BVM+17a, BZ16b, JT18]. continued
[Ano16-48, Ano16-49, Ano16-50, Ano16-51, Ano16-52, Ano17-46, Ano17-47, Ano17-48, Ano17-49, Ano17-50, Ano17-51, Ano17-53, Ano17a, 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].

Continuity [MAP17, CRW16, YJ17]. continuity-preserving [YJ17]. continuous
[AG16, BKP16, BST15, DGMT17, DKK+18, Fid17, HR18b, HY17, KS16a, KPKG15, KLSF15, KG15, LKSM17, MSK18, MKS18, MSP16, PL16a, SS16c]. continuous-discontinuous [SS16c]. continuous-in-time [Fid17].

Continuously [Bar18]. Continuum [ISST18, CCP19, CX15, CDX+18a, DK15, DPRZ16, DPRZ17, GSI18, HS17a, Har18, HKS+16, Jac17a, KGP+17, LXSC16, MSH+15, SSDN15, YSWW16, YXX+16, ZWG17].

continuum-kinetic [Har18]. contour [ZGD+16]. contoured [DKC15]. contrast [KCW17, ML16, RVZB15]. contrasts [BDPM18]. Control
[AEL+15a, ABG+15, APP+16, AEL+15b, BMRA+15, FW18, FDKI17, GM16, KMD+18, KYW+16, KYW+18, KSSL18, LC17a, Lot18, NJPB17, Pea15, SPX+18, SWHK15, SPM16, VLAB18, WBM15a, YK15, ZILZ15].

Control-volume [AEL+15a, APP+16, AEL+15b]. controllable [ZZH16]. controlled [EMSS17, MRP+15, PD15]. Controlling [ZV16]. convection
[BL+17, BGM16, Cai16, CHY16, CB18b, Cui15, DY19, HY15, HH16, JJ17, Kay15, KS15a, Lap16, LP16b, Liu16, LFT+16, PKLC16, PKLC17, RTO15, SGN16, SL17, Shu16, Sir19, SPZ18, WLM15, WB17, WC18, WSF17]. convection-diffusion
[Cui15, DY19, HY15, HH16, LP16b, LFT+16, SPZ18].
convection-diffusion-reaction [JJ17, KS15a]. convection-dominated [Shu16, WB17]. convective [Don15a, KTK18, MS15b, STK+16, tEDKT17].

convergent [JY18, ZHLZ18, ZS17]. convective-like [Don15a]. Convergence [FHE15, HD15, HZ15, JPL15, SAEF17, AWJ17, Ata15, CBC+18, GB15b, GSS15a, GPAO+18, GDS+16, GDA16, Kmdb16, KW15b, KDL15, LHA15a, MZAF17, NNW17, PA19, PWP15, SHA16, SVG18, SDJU15, SWZW19, WTL17, YJB18, ZHLZ18, ZS17].

convective [Don15a, KTK18, MS15b, STK+16, tEDKT17].

convective-like [Don15a]. Conversion [IG15, JLKF17]. Convex [GZ18, CFF18, DF16, EEG+15, IM15, JW16, LM15b, LHF16, SLL16, SGD18, SLL17]. convexity [DRP+16, GO16].

convolution [SS17a, VGF16]. convolutional [SZF15, ZZ18, DZR18]. convolutions [Han16, RB18].

Cook [ZYCK15]. coordinate [BDV17, PX15, Pru18, SMS16]. coordinates [BtTBI18, CX16, EHXM15, EGG+15, FRW16, HB15a, LBZ16, LMB18, OvhHV16, PS15b, TLH15, TVB+16, VBL+16, VMM19, VSC18, YF18].

coplanar [KW15a]. copolymer [CYS17]. core [CPSF17, Cos16, HBC+16].

Coriolis [ADOP18, SD16]. Corner [DBZ17, BMCK15, ZFZL15]. Corner-corrected [DBZ17]. corner-free [ZFZL15]. corners [AKM+19, DCCC16, HK18b, SR16, Tsa16]. corona [VBG+17a].

Corrected [CW18, DBZ17, HR18b, LKSM17, Loh17, RMF+18, RSD17, SFDE15].

Correcting [BH16b]. Correction [Kat16, AMN18, ALL18, BLL19, BG16a, BDJP19, CWS18, CLX15, CCGH17, DRP+16, DvW15b, DS15c, EH18, GLTB18, GXX17, HX16, HDA+18, HLQ16, HXX18, JLC15, JLFK17, KW15a, KS16d, PK16, PBC+17, RÖS16, RS17, SMS16, SM16, SW15, Sir19, WMYG16, BK17a].

correction/finite [KW15a]. corrections [HSM19, WWR16]. corrector [BK16a, NS19, PRHA16]. correlated [Zau16].

corresponding [STR15]. Correspondence [Moc17].

Corrigendum [ASS17, BR16, CNG17, Dav15, DK18a, GBCF16, HGN17a, KYW+18, MN17, NG18, PS15a, SWMD17a, SYV17, TK15b].

corrosion [JS16]. CORS [ZD15a].

cosmic [BP1+16]. cosmological [SPM+15]. Cosserat [AMM+15].


counter-intuitive [ZW15]. counterpart [SPRW15]. Counting [GP18].

couple [BMT18].

Coupled [BLS16, CMDL18, FKDL17, GAS+18, QWX18, RT15, AEL+15a, AEL+15b, AEL+17, BP18, BK16b, Buk16, BKR1B5, CBZ18, CGS18, CWF16, CY17, COV18, CFPB17, CGM15, DGW18, DMAM15, DLM18, DPRZ17, EH18, GDS+16, GC17, HGN17a, HGN17b, HMI16b, JTR16, JGS16, LGH+18, LMKS15, LY16c, LHV+17, LRGO18, MNN16, MRP+15, MG15b, MNO+17, MMM15, MKV+17, PF16, QYF15, RRD16, SDM+17, SMOM+17, SF16, TH18, TMWF18, TPT16, TT7b, TP1T18, TC15d, VCEK19, VLP+16, WE15, WED15, XDvW17, YS15, ZA16].
Coupling [CFSN18, CFG16, JH15, LB17, MNG15a, MDL16, MTZ16, Wic16, ALKZ16, BCD+15, BKO18, BRK17, CDM18, DKPC15, ED16, FH17, FHE15, HBC+16, HG1, HLY16, ISST18, ID17, KLC18, LPB17, LMC16, LPBR15, LMN18, PCN15a, PHÔ+16, PAL+16, PWP15, PME+15, TKB+17, TAJ+17, VKE+18, WWR16, WPB15, WED15, XYF+17, YG18, ZYK18, ZRE16, dSPDH15].


D [CZ17, CSK+16, DWGW16, DSSP18, PS17, Sto16, TCS16a, TRL15, VLP+16, WSH+17, ZJS15, ZSL+19, AG16, AHHC18, ACS16, ALTR17, BHZ16, BK17c, BGV17, BDK+17, BS15a, BT16, BSM16, BC16c, CBC+18,
CGMH18, CDL17, CGL18, CGK17, CCZC16, CZ16, CX16, CSK+16, DDB+17, DF16, Dod17, DD16b, EL18, FDS+15, FL18, FNGV18, FNGDMNR18, FGLB16, FC19, FYC+18, GBM16, GFL17, GWC18, GHL+16, HWH+16, Hu17, IG15, JKE+17, JBL015, KQB18, KE15, KES18, KC17c, KFWK17, LMPS15, LM15a, LFRH17, LML16, LZ17a, LLJJ18, LZT+15, LY16a, LGD17, MKYZ17, MG15b, MC15, MF16a, MW17b, Mue18, NMM18, NMM19, Noe15, Nor15, PG17, PGCG18, PK17, PKJ+18, PR16a, PMGW16, PAF19, PT18, QDH15, RBY19, RLP16, SNS16, SPT16, ST18b, SCS16, SA15, ST18c, SSL+16b. D [TCD17, TCL15, VLP+16, WY17, WXW15, WSU+15, XDSX17, XQ17, YC17, YSWS16, YFJ18, YTW15, YXD+16, YPK16, ZBH+18, ZND16, ZGJ16, ZZZ17, ZJ18, ZVO15, ZYC16, dBIM16, dJRP+15]. D- [TCS16a]. D-TDIBC [DSSP18]. D-VAR [FDS+15]. D/ [CSK+16]. dam [GWYS18]. dam-break [GWYS18]. Damage [CF15, BHJ15, HMBH15].
[JTD16]. deflection [DHH+18]. deformable
[LRG018, PME+15, SMA+16, SOM+17, YM17b]. deformation
[ANL+16, FHY+19, FRW16, GBvZB16, KAR17, LY16c, MTL+17, SKS17,
WQZ15, WTS+17, YG18, ZL15c]. deformations [GSL18, GLS15].
deformed [QYJ19]. Deforming [SYV17, LHB+16, LY15b, MMSS15, NN15a,
NN17, NN19, RB15, SYV14, ZP16]. degenerate [BTA17]. degree [Bre18].
DEIM [SSN15]. delaminations [GD19]. Delaunay [WQZ15]. Delayed
[DSSP18, AC16]. Delayed-time [DSSP18]. delta [EG17, HNS16, XM18].
Delves [HB15b]. DEM-IB-CLBM [ZZPH18b]. dendrite [RTO15].
dendritic [DMS17]. denoising [CWL+16]. denominators [HPV16]. dense
[AAD16, BVM17b, DAO17, KBK15a, SG19, SYM15, WZR15].
dense-to-dilute [DAO17]. densities [BCST17, YY17]. Density
[GS16, AKZ16, JVM17a, BEJ15, BC16b, Cai16, CZL+15, CVK16, CDV17,
DLY17, EJM18, FB17, GLH19, HW18, KP15a, KLC18, LMH16, LT16a,
LL16a, LT17b, NGY+17, NSK+16, PAFT19, PLB18, RFGSV15, SP15a,
SHP+16, SK18, TKF17, WSY15, WSS+15, WSHT15, WSF17, XD1X17,
ZLH+17, ZS15]. density-stratified [Cai16]. dependence [FW17].
dependent [AR16b, AWJ17, BHL15, BOA17, BCB15, BSIG15, CR17,
CHY16, CX16, Chn17, CLP16a, DD16a, DKPC15, DBMB15, FM15, GSN16,
Gan15, Gen11, Gho17, GNA17, HL16b, IKS19, KKB15b, KFL17, LZ15a,
ILN17, MCN18, MMMS15, OKWE17, PLC18, PHRA16, RRD16, STEK17,
SS15b, Shu16, SP15b, Sub15, SJXL15, Zha16]. depletable [SN15]. depletion
[GLTB18]. deposited [AASRT17]. deposition
[MZ15, TT17a, TP16b, Zoh17]. deposits [JS16]. depth [DV17]. Derivation
[GPS17a, RSSS18, Sch16a]. derivative [AHKT17, CF15, CGM18, Cha16,
DB17, DLY17, DLC15, DLY19, DZC16, FC16, HL16b, JW15b, Kat16, MBSS15,
NDC17, OM15, OLB+17, Par17, RCRF16, Roy15, TVB+16]. derivative-free
[FC16]. derivatives [BK16, CZ16, CZ17, GTT15, pHzSrC15, Mac15, MD17,
MN04, MN17, ZsSK15]. derived [JL16]. deriving
[DC16b]. descending [XL17a]. descent [FSWW17, MH18b, TP16b].
described [CF15]. describing [AMM+15]. Description
[ALK16, DTA+15, SG19]. Design
[BTVC16, Dom18, FBC+16, GM16, TCS+16b, BDB+17, CC16b, GGW17,
KL17a, Koul16, NP16, NW15, RPC+18, WLL16, WHL17, vL41B17].
Design-order [Dom18]. Detailed
[Did17, MHG+15, LSY15, MA16, VLP+16, XSR18]. Detection
[ACC+15, ABT17, EGG+15, CW16, CW17, Gno17, JrD+18, KLA17, PQR17,
WLL16]. detector [LS16]. deteriorating [PT17a]. Determination
[HK16b, EZG16]. deterministic [Dav10, Dav15, RMC15, SS15b, TAJ+17].
deterministic/stochastic [TAY+17]. detonation [Hu17, RA17, WDS15].
Development [AKZ16, BV15, BLG+16, CBC+18, DDJ17, KYPK15, RBY19,
TM17, YSW16, ZLS18, Ani16, CYYL18, LPR19]. Developments
[IC17, PMF+18, Shu16]. devialional [Yan16a]. device [BPD19, FKF17].
devices [BLL16, NOM+17, RKH15, WPB15]. dewetting
[ABG+18b, BJWZ17]. **DDFD** [CH17]. **DFM** [BHTT17]. **DFT** [BW18b]. **DG** [AW18, BBF+17, Dom18, FG17, JLQX15, JL18c, NJ15, RXS16, Shu16, TABR17, XQ17, SL17]. **DG-schemes** [FG17]. **DGEM** [KL15]. **DG** [SS18b]. **DGTD** [TRL15, BK19a, SSL+16a, SSVL18]. **Diagonal** [Mat17, DBZ17, KNS15, MAvdW18, MO18b, SS16b, WLK+16]. **Diagonal-norm** [Mat17, DBZ17, MAvdW18, MO18b]. **Diagonally** [LWLC17, PKA+16]. **Diagonally-implicit** [BZ18]. **Diamond** [AA15, JKE+17]. **Diatomic** [WYLX17]. **Di-block** [CCGH19, HK18a]. **Dialectic** [GW3+15, LSP+18, PKLS17]. **Dialectically** [RMLvR18]. **Dialectics** [MG15a]. **Diffeomorphisms** [CRW16]. **Difference** [SYV17, AD17, AW18, Ali15, AA15, BBKS16, BH16a, BH18, Bra16c, Bre17, BTT18, BTWY15, CBS18, CTC16, CTG16, Che18, Cho15, CR18, CYVL17, DLF17, DvW18, EN18, FGL18, GSS15a, hGwSzS15, GS15a, GH17a, GKL15, HK18a, HK18b, HK19, HAH16, JKE+17, JW15b, KW15a, Kay15, KS15a, KJYC15, KL17b, KPJ18, LH16, LHC16, LHB16, Li17, LMBZ15, LW18, LYM17, LY15b, LN15, LMM16, MN04, MN17, NN15a, NF17, OL1D17, OS15a, OV17, PS15b, PS17, R1B18, R1W18, Sha17b, S1F18, SYV14, SZ17, SK18, T1L15, TBO+16, TKP16, WLM15, WH15, WDS15, WH16a, WLG18, WLW+18, WT15, WA18, Y1L16, Y1Q15, Y1L15, Y1X15, YM15, YWH15, ZZ15, ZL15b, ZG18a, ZSQ17, ZQ16b, dFN16, GSS15b, M18]. **Difference-boundary** [BBKS16]. **Difference/embedded** [Cho15]. **Difference/finite** [BTWY15, ZG18a]. **Difference/spectral** [CLC16]. **Differences** [BHJ18, ABFR16, CZL+15, CPS17, FSB16, LT16b, MF17, TRLK18]. **Differencing** [DvW16b, FZ16, TK12, TK15b, WJD16, WBM15a]. **Different** [LCK16, OTS17, TBG18]. **Differentiable** [Bar18]. **Differential** [AD17, ADH+16, AEAM15, Beg15, BZ15, BSWG15, BR17, BT15, C15, CAA18, CXX15, DLL+17, hGwSzS15, Gno17, GN16, GX17, HO15, HBR15, HZ15, JW15c, JX15, JX17, KNS15, KR17, L1C6, LL16c, M16a, MR16a, MRP+18, MTK+16, MTBT18, NYNYM15, NBH18, Opp17, Pis18, PF15, RPK17a, RPK17b, RK18, RPK19, RMP18, SR16, SS18b, SLN15, Sub15, Sub18, TY17, TST17, TO15, VCN15, WZ18b, XY18, XHC15, YHKPF17, YJB18, ZHWQ18]. **Differentiation** [CWL+16, LAK+16, YCP15]. **Differentiator** [SZF15]. **Diffraction** [CDDL19, HN17b, ZED15]. **Diffuse** [FB17, PN18, ZDG16, CSN17, De18, KS16c, KS18b, LD15, MA19, NFG15, WSS+15]. **Diffuse-interface** [KS18b, LD15, MA19]. **Diffusion** [BSW15b, LLS15, Ali15, ADH15, ACJ17, AHK17, BJ18, BL18, BBW16, DBEE15, BF17, BTVC16, Ca15b, CkK18b, CNOS15, CLC16, CHY16, CLZ18, CLZZ19, CLR15, CG15, CCM15, Cui15, CWYS16, DS15a, DS15b, DD16a, DMC16, DJL+19, DY17, DYL19, DY19, DB18, Fa16, FBF15, FHE15, GSS15a, GS15a, GPS17a, GPS17b, GBU15, GL18, GL17, HG17, HSC16, HY15, HHY16, IZ18, JPL15, JW15b, JW16, JZ16, JZL15, JZ17, Kay15, KS15a, KSM19, KKL17, KBK15b, LE16, LAL18, LP16a, LP17, ___
LW17c, lLLNS16, LZ17b, ILNS17, LMMS16, LP16b, LM15c, LLLN18, LFT+16, Luc15, MBSS15, MMNI16, MD18, MS18b, MK15, MN16a, MM15, MP15a, MMvR18, MDDM17, MSP15, MSP16, MW15, MN16c, NJHL18, NN18, NL18a, Nis18a, Nis18b, PD15, QDH15, Rag15, RRL19, RB15, RZ18, SAEF17, SWG+17, SF18b, SY16]. diffusion [SYM15, SYM17, Sir19, SMD18b, SSM15, SX15, SGA+15, SSM+15, SX15, SGA15, SPZ18, SPRW15, SDW18, SLZ+17, TWIN15, TW17, TK15a, TSH17, TM17, WZ15, WY16, WW17, WHY17, WHY18, WCL15, WZ17, YHQ15, YYN+17, YM17b, YLA15, ZSP15, ZSW17, ZG18a, ZJL16, ZLL+17b, vEKdB16]. diffusion-controlled [PD15], diffusion-limited [BL18], diffusion-reaction [MN16c], diffusion-wave [BJO18, BDBEE15, HSC16, YLA15], diffusive [AJVH17, BHdD18, BR15b, BR16, BLC+17, JXZ15, JL17c, Liu19, MP15a, SAOW17, VPDP15, ZHWQ18]. diffusivity [HK19]. DIII [WSU15]. DIII-D [WSU15]. dilatancy [MDP18]. dilute [DAO17, SGP17b, Yan17], Dimension [CLM16, TLQ16, AS15, CQ15, YM17b], dimensional [Rod18, SG18, SSVL18, SD17, SSA17, SX15, SSN15, SF16, SWZ17, SK15b, SLZ+17, TCS15, TCS17, TCA16, TDI16a, TSH17, TZZS17, TBO+16, TSB+18, Tc16, TBB16, TB18, VCNP18, VNA15, VSM16a, VSM16b, WSY15, WDS15, WC15, WRL16a, WRL16b, WTGC16, WHY17, WLE17, WHE17, WGGK17, XML17, YSW15, YK18, ZMF15, ZK16, ZL15a, ZLL16a, ZYW16, ZBT17, ZCL17, ZL15c, ZWB+18]. dimensionality [BGG16, TBG16]. dimensionally [GNK18a, GNK18b]. dimensions [BHJ18, BHST18, BXY17, CC16a, CM18b, CB18b, CGR17, DS15a, DS15b, DL17, Ein19, ECC18, FR18, FS16, HN17a, KSVB18, RVZB15, SHKL16, VEC16, WCT18]. Diminishing [SIX16, DWG+18, DLMDV18]. diodes [DS15d, JB15]. dipole [GGL+17]. Dipole [MML17]. Dirac [ASS17, ASS13, Alm19, EG17, FGLB16, HNS16, KML18, Pin15, PS17]. Direct [BLD15, CR17, FKY15, KLNH17, LRA17, MTT19, OMYvdP+15, Par18b, PGGGW18, RW15a, SAK18, ZN18, BS15a, CDC17, CHY16, CYL+16, CYYL18, CC16c, CGP16, CWD18, DY16, EVA18, GB15b, IM17a, KNS15, LWT19, PPLC16, PG18, PVB17, RS16b, RLV16, STK+16, TFGK18, YS15,
direct-forcing [LWTF19, PVB17]. direction
[BCG+15, GGT15, LST+15, LK16a, SX15, SZ17]. directional
[BNK18, FYO+15, MHJ15, MS+15, ZYK18]. directional-splitting
[FY0+15]. Directly [ZQ16a]. Dirichlet
[ABN15, ED16, GBD17, KHNN16, WZ15, YK15]. Dirichlet-to-Neumann
[GBD17]. discard SHW17. discharge [DBM15, VB+17b, ZCS15].
discontinuities [GLTG15, HZL+15, WS15b]. discontinuity
[DS15a, DS15b, DIX+18, PE16a]. discontinuity-aware [DS15a, DS15b].
discontinuity-resolving [DIX+18]. Discontinuous
[BHGK18, BD17, BKR15, BKRKB16, FNP17, HGN17a, JHT+18, NLW+16,
OWKE16, Rag15, TSC17, TRL15, ZK18, ZN16, AG16, AM17a, AS15,
APKP16, ADK+17, BST+18, BDM17, BCJL17, BFT17, BCB17, BD18,
BT15, CGQ18, CGMH18, CWM+16, Cha18, CW19, CJD+17, CHY16, CS17a,
CYL+16, CYY18, CZL18, CCKQ15, CLG+19, CXY19, CR18, CK16a,
CK16b, CCGH19, DM17b, DKK+18, DLL+17, DY19, DL16, Ein19, EHXM15,
FKW17, FKW18, Fer17, FX18, FB16, FS17b, GKW16, GCVMK15, GBC+18,
GSN17, GX15, GY15, HR18a, HL16a, Hig15, HS18b, Ism15, JAH19,
JH17, JTD16, KDF15, KM16b, KFF+17, KRFV16, KG15, KFWK17, LMH16,
LLP+16, LP16a, LPR18, LX18, LSR16, LTB16b, LP16b, LY16b, LW17e,
LS18, LMB18, LLLN18, LHL15, LI15, LSI16, MSG18a, MLM18, MRRF18,
MK17, MN16a, MKC17, MF16a, MLB18]. discontinuous [MSP15, MS+16,
MMPS17, MH17, NDLPCC19, NMM17, NJ15, NPC15, NPRC15, NDCB17,
N15, OKWE17, OKE17, PL16a, PA19, PE16a, PP19, PCN15a, PP17,
PP18b, PMB18, QSY16, QDH15, RXSG15, RDM15, RR+19, RBL16,
SPX+18, Say17a, Say17b, Sch16b, SWG+17, SMP16, SZ15b, SS16c, SPZ18,
Si16, SWZW19, SCS18, TH18, TD16a, TD17, TD18, Teu16, TM15a,
TXKvdV15, TXKvdV16, TLB+18, UL16, VPS+17, VCNP18, WW15,
WTGC16, WLE17, WGK17, WKGW18, WG15, WWM+18, WBM+15b,
Xia15, XJLQ15, XL16, YY16, Zha16, ZLH+17, Zha17c, ZF18, ZY19, ZT17,
dfVJ15, vOMB17, HGN17b, OLHD17, PSB+18, DMD18, RHS18].
discontinuous-Galerkin [NJ15, Sch16b]. Discovering [PPCK17]. Discrete
[ACGR15, BNS17, LMPS15, LPG18, MHS16, SP18, WYZ18, AEL+17,
ADHN15, BCST17, BB+16, BPS16, BC18c, BSP18, BHTT17, CC17c,
CV18, CWY16, Del15, DWGW17, EFHZ17, FNNB19, FKS19, HLM17,
HCHV18, HY15, Hwa16, JQLX15, JKE+17, LFRH17, LC15, Loz17,
MWD16, MRM16, MA18, MA19, NMA15, NHA18, NN15a, NN17,
NN15b, OWKE16, OKWE17, PL16b, SSDN15, SVG18, SWK18, SGL17,
SW18, SL+17, TZGW18, TAH16, VLTP16, VBF15, Xia15, XRMM15,
YSWS16, ZNX15, SMAG17, dPSS16]. discrete-adjoint [VBF15].
discrete-forcing [LC15]. discrete-ordinates [Mas18]. discrete-time
[BSP18, MWD16]. discrete-velocity [HLM17, JLQX15].
discrete/continuum [SSDN15]. discretely [Cha18, CW19]. discretisation
[ABT+16, DvW18, GBD+15, OLHD17, OWKE16, SSM15, SN18, TFGK18,
DMD18]. discretisations [MRRF18, OKE17]. Discretization
[Dav10, Dav15, FPDT17, AD15, AVT17, BHE⁺¹⁷, BFNGDNR18, BKR15, CDM⁺¹⁶, CGS18, CI17, CM15, CHD⁺¹⁸, DvB17, DS15d, DCD⁺¹⁸, DL18c, EG17, FNGDMNR18, FW17, FKS19, GZH19, GDA16, GSR18, HR18a, Her16, HML17, HKI15b, KL18a, KML18, LMMS16, MSK18, MMvR18, MHS16, MMP18, Nis15, NL17, Nor15, OvdHVH16, PG17, PG18, DM18, QLF16, RBL16, STK⁺¹⁶, SKF15, SUR18, TCS17, VDPP15, VBG⁺¹⁵, VK16, YP17, ZP16, ZZKF15]. Discretizations [SYV17, BGGM15, BCB17, BSM16, CHOR17, FKF17, FWK17, KD17b, MBL16, PE16a, RN18a, RN18b, SF18b, SLVE18, SYV14, TMH16, VLN⁺¹⁸, WX17, ZSX17]. discretize [DBMB15]. discretized [HR18b, JW15c, SWG⁺¹⁷]. Discretizing [POSB16, SP18]. discs [GPAO⁺¹⁸]. dislocation [BC18c]. disordered [SU15]. disparate [TCS16a]. dispersal [Har18]. disperse [JS17]. Dispersion [BGGM15, EL18, ML15, An17, CHLZ17, GZY16, GR15, HK18a, JLC18, KMS⁺¹⁸, KD17b, LKN17, MRN16, MT17, MHZ⁺¹⁵, MSP15, NMC15, PCF15, PPCK17, Ram18, SSL⁺¹⁶a, Sto16, URT18, WA18, YWHP15]. dispersion-diffusion [MSP15]. dispersion-relation-preserving [YWHP15]. Dispersive [SU15, ABH⁺¹⁹, AEMAI5, Iwa15, LM15a, DM18, SSV18, ZWUR16]. Displacement [RVM17, BST⁺¹⁸, LW17a, SWML17]. displacements [BQCG17, CXY19, RDG17]. dissipating [CG18b]. Dissipation [CZW17, JT18, BR15a, BMK15, DLL17, DWG17, EMM⁺¹⁸, HK18a, HWA15, JLC18, KCS⁺¹⁷, KYW⁺¹⁶, KYW⁺¹⁸, KV16, MCVG18, NMC15, SMD18a, SL16c, WDGW17, WL17, ZHA17a]. Dissipation-based [JT18]. Dissipation-preserving [CZW17, SL16c]. dissipative [AMH⁺¹⁸, Abg18a, AF18, DPK17, DJL⁺¹⁹, KP15c, LS15b, LS16a, LBTK18, MD17, MBM⁺¹⁵, MFG15, PLL⁺¹⁵a, Sto17, YDK16]. dissipating [WMS18]. Distance [XL17b]. distortion [TAR17]. distributed [AEL⁺¹⁵a, AEL⁺¹⁵b, CPT16, CLC16, FG16, hGwSzS15, LAA16, MR16a, WLC15, WX18, YLA15]. distributed-order [hGwSzS15, YLA15]. distribution [AD15, AB16a, EG17, FL18, GML18, GMD19, HNS16, iI15, ii15, IC17, LN17, MN15, STR15]. distributions [BC18a, GWE⁺¹⁵, LL15]. div [LYZ18]. Divergence [Ama15, BD15a, CZBC⁺¹⁸, BK17b, BDG⁺¹⁷, DWG⁺¹⁸, KBR17, PMF15, RRM⁺¹⁶, TPB16, XL16, YJ17, YFJ17]. divergence-cleaning [YJ17]. Divergence-conforming [CZBC⁺¹⁸]. Divergence-free [Ama15, BD15a, BK17b, BDG⁺¹⁷, RRM⁺¹⁶, XL16, YFJ17]. divertor [MP16, TTM⁺¹⁶]. divertors [BDB⁺¹⁷]. DLM [PGCG18]. DLM/FD [PGCG18]. DLM/FD/IB [PGCG18]. DNS [KCS⁺¹⁷, KP15c, KFWK17, MA16, MMS17, RL17, SLC⁺¹⁸]. Do [RFGSV15]. docking [PLW16]. Domain [IBML16, JHPAT17, JX17, TRL15, AM17a, Amd16, AA15, BLK15, BMT18, BG16a, CXH15, CLC16, CC17c, Che18, CLQ17, DZ16, DZ18, DvB17, DvD⁺¹⁵, DGL⁺¹⁵, DSSP18, ETAG15, FHA17a, GFC18, GB17, GHJ15, GHH⁺¹⁶, HXLL15, HGW18, IML15, JSP16, KJP18, LH16, LS15a, LH15, LLS15, LZ16, LHMB16, LC17a,
LHY$^{+19}$, LZT$^{+15}$, LK16a, LMM17, LYA16, MS18a, MS18b, MMSS15, MJ17, MMP18, MH17, NBT19, PR16a, PLL15b, PT17a, PBA$^{+15}$, QDH15, RZ17, SZW$^{+16}$, SW18b, SZ17, SMSR18, SL16b, SC18b, SWZ17, TT17b, TP17, TST17, WR16, ZP16, ZLY15, ZD17, ZYK18, ZYCK15, ZBZ$^{+18}$, ZZH16].

domain-decomposition [TT17b]. domain/active [LHY$^{+19}$]. domain/active-strain [LHY$^{+19}$].

domains [AB16b, ABFR16, And16, ABG18c, AEvW19, BLS16, BTT18, BC16c, CLZZ19, CFF18, DHHP17, DH18b, ECC18, FH17, FYZ$^{+15}$, FBF15, FLT18, GSN16, GLS15, GN16, GLTG15, HK18b, JW16, JGS16, JTD16, KA18, KA17, KBR17, KJ17b, LPGT16, LB15, LCK16, LC16, MMNI16, MTZ16, MS18c, NN15a, NN19, NGY$^{+17}$, NSK$^{+16}$, NN16, OLD$^{+16}$, PKN17, RB15, ST17, SHW18, SGT16, SGT17, Tow18, Tsa16, YYN$^{+17}$, YDCK16, YLA15, ZL15b].

dominated [Shu16, WB17].

Doppler [DJD$^{+17}$, JDFS16]. dosimetry [KSV$^{+15}$].

double [LH16, BLC$^{+17}$, EG16]. double-diffusive [BLC$^{+17}$].

double-sweeping [EG16]. Doubly [YYL18, BLS16, GD19, HTFL18, RN18, LB16, NL15].

doubly-asymptotic [BLS16]. doubly-periodic [HTFL18, LB16, NL15]. down [CLL17].

DP [KCW17]. DPD [GZM$^{+17}$]. DPD-based [GZM$^{+17}$]. DPG [FKDL17].

drag [BLL19, Ev18, GPS17b, HM16b, ID17, SGC$^{+18a}$]. drift [DDH$^{+18}$, HK15a, LC17a, RRL19].

drift-diffusion [RRL19]. driven [AZ17, BV18, BC16d, CPT16, CCZ15, CEL15, CV16b, DM17a, DS16, DVP$^{+16}$, EN17, KA18, LK17, LZB$^{+17}$, LHMB18, LSD18, LAA16, NS19, PD16a, SG16, Str17, XWW$^{+16}$, YDCK16, YM19, Zoh17, dLGT$^{+17}$]. driving [BHZ16].

drop [BL17, JJS15]. droplet [BKG15, GLTB18, JRPPS18, LZ15b, LW17, MOR18].

droplet-droplet [MOR18]. droplet-laden [BKG15]. droplets [Did17, Gan15, PKB15].

drops [Fed17, SRS19, ST18c]. DRP [Bra16c]. Drucker [LEB$^{+17}$]. drum [Ant17].

dry [LAEK18, PP19, WWGW18]. drying [ABT16, FKY15]. DSA [OLD$^{+18}$].

DSA-lithography [OLD$^{+18}$]. DSMC [Mac16, GJ15, GRS15, JL18a, KJ17b, KJ18, MC16, RMC15, RSSSE18, WPB15].

DT [Nor15]. Dual [HB15b, MN18c, Stü17, WSN$^{+18}$, AAE17, CLP16b, DZ16, DZ18, Eng18, GCVCH18, LWY18, NN19, NG17, NG18, OKWE17, Par18a, PJB$^{+19}$, SFDE15, TC15b, YL18, ZD17]. Dual-consistency [Stü17].

dual-corrected [SFDE15]. dual-grid [PJB$^{+19}$]. dual-porosity [GCVCH18].

Dual-scale [WSN$^{+18}$]. dualism [Luc15]. duality [SDW18].

duals [DPO16]. duct [BBKS16, TRLK18]. ducts [CV16a].

due [LM16, MCS16, SZY16]. DUGKS [ZWG17]. during [TYD16].

DVM [YSSW16]. Dynamic [DD16b, GSN17, LWY18, NLK$^{+15}$, VKE$^{+18}$, APP$^{+16}$, AF18, CL16, CyKH16, CfkK18, EST17, FGL16, Gan15, HCVH18, HKS$^{+16}$, IGQ15, KSVB18, LMC16, LGD17, MRA16, MG15b, MNG15b, MS15c, MM17, NFG15, OCSC18, PD17, RPC$^{+18}$, TYD16, WY17, WS15b, ZZ17b, ZXL17]. dynamic-solver-consistent [WY17]. dynamical [Blo17, BW18a, BV18, CL18, CL18, EL17, GS15b, Lia16, NW17, OSP17, OB17, YM19].

dynamically [ALKZ16, MN18c, CY17, DBM15, KG15, MD18, PS16].
**dynamically-orthogonal** [BCSK17]. **Dynamics** [BL18, WB16, ABG+18b, AGBL15, AWS16, AF18, ATZ16, ABR16, BJTZ15, BKS18, BHdD18, BC18c, BBW16, BLS15, BLJ17, BZ16b, CZBC+18, DMAM15, Dav10, Dav15, DPK17, DZ18, DG16c, DLR15, DFS16, DJL+19, DPRZ17, EJZ17, FB17, FP18, GS15c, Gen15, GMB16, HSLQ15, HSLQ16, HK15a, HM16a, HMBH15, HM1, iil, il7, JME18, JRPPS18, JB15, JLKF17, KM17, KBK15b, KP15b, Kor17, KS17, LSMS17, LFR17, LS15b, LS16a, LBTK18, LK16b, MT18, MHL17, MD15, MGB+18, MMW15, MFG15, NPC15, NLL+15, NLIW+16, PLL+15a, Par18a, PQR17, PCBG18, RS17, RHS18, SWC18, Say17a, Say17b, SVG18, SHKL16, ST15, SY18b, SSX16, SKW19, SMAG17, Sto17, SiI7, SAOW17, SZCL18, SZS15, TY17, TP16a, TAJ+17, TPTT18, TR17, WE15, WTS+17, WH16b, WYA+17b, XZZ15, XWW17, YZW+18, ZL15a, ZLH+17].

**dynamics** [ZD17, ZLC+18, ZHWQ18, ZK18, HSB16, YDCK16].

**Eady** [YSC+17]. **EAM** [YZW+18]. **EAM/FS** [YZW+18]. **EAM/FS-type** [YZW+18]. **earthquake** [CCWY18, DD16b]. **Eca** [EH15, XS15]. **ECGs** [NCP+17].

**Eddy** [FNP17, PD17, TABR17, BGV17, BR15a, BPM18, BJ16, CWS18, CLB+16, CC16c, DLLV17, Fer17, FG17, KH15, MD16, MMPS17, NYNYM15, PK17, RS16b, RGG18, RBGV15, SMD18a, VV16, CL16, CWS18, LLVM17].

**eddy-current** [BGV17]. **eddy-resolving** [MMPS17]. **eddy-viscosity** [CWS18]. **edge** [BGGM15, Dod17, DCD+18, GDS+16, GBC+18, HHC+16, MP15b, MP16, NL17, PF15, TBC+16, WSH+17].

**edge-based** [GZLH19, NL17]. **edges** [HK16b, Tsa16]. **Editorial** [Abg16, Ano18y, Ano18e, Ano18f, Ano18g, Ano18i, Ano18j, Ano18k, Ano18l, Ano18m, Ano18n, Ano18o, Ano18q, Ano18s, Ano18t, Ano18u, Ano18v, Ano18w, Ano19a, Ano19b, Ano19c]. **effect** [CM18a, GR15, LYDB17, PQR17, SAH17, VALT16, WX17, XR17]. **Effective** [DGL+15, GVTQ16, XLY15, BPS16, CPT16, CBC+18, Cot16, HS17a, LK17, PFVN15, VS17]. **Effectivity** [CGTH18]. **Effects** [NNW17, AAL15, GZM+17, Gen11, Gho17, HGW15, HW15c, KD17a, KCS+17, LW17b, MAH16, MLB16, NWZ18, ST16, SP+17, SSL+16a, SP16c, VCNOP18, WTL17, YT17]. **efficiency** [BH16, BT17b, CGTH18, Die15, HLL+18, KK16, LWY18, WBC+16].

**Efficient** [AG16, ALT17, BL18, BGV17, CS16c, CLS+18, CM18b, CYS17, CGA17, DNBH15, ESHA16, FNGV18, HE15, HHH17, JER9, JYY18, KAR17, LZ16, Lia16, LB16, LHA16b, MBSS15, MS16a, MPT16, MN16a, MG18, NMA15, NCP+17, PLC18, SBT17, SY15, SDM+17, SPRW15, TRM16, VSM17, WJD16, XL17a, YM17a, ZS15, bWAW15, ARG+17, ADGN17, ALM+17, APK16, BGS16, BL16, BCM15a, BCT15, CCdL15, CC17a, CE18, CCZC16, CGC17, CJD17, CPS17, DZR18, DY16, DLMN15, DLRN18, DOO17, DB16b, EMZ16, FHY+19, FW18, FBG15, FG19, FYC+18, GWB+15, GS15b, GLZ16, GP16a, GLTB18, GWC17, GX15, HD18, HTFL18, HHCG15,
HMBH15, HF18, HWA15, HC17, IPSG15, JBM19, KC17a, KH17, LM15a, LKK17b, Ler16, LHY17, LH17, LPBR15, LPR19, LWC17, OSKN18, PXL16, PL18, PSB+18, PMS15, PKJ+18, PSP16, RT16, SXBB15]. efficient
[SGMS16, SO15, SSN15, SF16, SWL19, Tav15, TRL15, VBG+17a, VD16, WLW17, WSOW16, WS15a, XX17, XWW17, ZZDB15, ZL15b, ZGD+16, dICGCA17]. efficiently
[Cac15a, Cac15b, ZWUR16].
eigenfields [HK16b].
eigenfrequency [ZC18].
Eigenmode [GFvR18].
eigenmodes [ABT17].
eigenpair [CG18b].
eigenpairs [VYP15].
eigenproblems [MBJ16, MBNJ16].
Eigenresolution [MSP16, MDMS18].
eigensolver [AAB+16, ZGD+16].
eigenvalue [ABN15, Alm19, VMN+18, BDKK17, GFvR18, HLTC18, JPLL15, KL16, KFL17, LHS+18, Loh17, PKA+16, PGH15, XZ15, YIM1c].
eigenvalues [ABFR16, ABT17, HXB15, HSSZ16, Jac17b, XJG18].
Einstein [ALT17, Rua18].
elastic [AHHC18, ABT17, BHJ18, BXY17, Buk16, CHT17, CHJT17, DL17, DHH+18, DWW15, DPRZ16, DKK15, DD16b, GTL18, GFG+15, GH17a, GKS18, GFL17, GD19, GC17, GBS15, Heu17, KTK15, KDL15, KLRT15, KH18, LC15, LWZ16, MKS18, PS15b, RM16, RRD16, SCQP16, SI17, SF15, VSDW18, VK15, WJD16, WTL17, XJG18, ZZZ17, ZZW+16, ZBZ+18, dTP16].
elastic-acoustic [RRD16].
elastic-electrostatic [DL17, DHH+18].
elastic-plastic [CHJT17, GSL18, Heu17, KTK15].
elastic-viscous-plastic [KDL15, WTL17].
elastic-wave [GH17].
electro [DPRZ17, HGN17a].
electrodynamic [BGK16, DPO16].
electrohydrodynamic [Vee16].
electrokinetic [MXL16, PKP+17].
electrolytes [WB16].
electromagnetic [AJP15, ACC+15, BAGK16, BGV17, CCHL15, ClL17, DZR18, DC18a, DK18b, DDV+15, FCL17, GH15, GE15, HN18, Ism15, KS18a, KPA18, LGO17, MH+15, NOM+17, PLL15b, ST16, SUR18, SF18a, SCS16, SLVE18, SCC19, SSL+16b, Tao16, TSN16, TRL15, TBL15, UWH17, VCNOP18, XB18, ZWUR16].
electromagnetics [AM17a, LH16].
electromagnetism [BAGK16].
electromechanics [ANL+16].
electron [ALM15, BTA17, CHE+17, HRG16, Ido16, JLI8a, KKS15, KKS16, KB18, LLYV+15, LY15c, MP16, SCC19, VBG+15, WSH19, YBC15].
electron-electron [BTA17, HMRG16]. **Electronic** [CSCM16, LH518, MRZG16, NOM17, PDDG17, PD16b, RO16].
electrons [CKK16b, KM16a]. **electropermeabilization** [GPG17, LPW15].
electrophysiology [CSCM16, LHS18, MRZG16, NOM17, PDdG17, PD16b, RO16].
electrostatics [AG18, DL17, DHH18, HK15a, LLEK17, LSP18, MSD17, PMF15, dCPDC17]. **electrophysiology** [CGG18]. **electrostatic** [CKK18b, KM16a].
electropermeabilization [GPG17, LPW15].
electrophysiology [CGG18]. **electrostatic** [AG18, DL17, DHH18, HK15a, LLEK17, LSP18, MSD17, PMF15, dCPDC17]. **electrostatic** [BCO15, DS16, XJ16, YX15]. **Element** [CEH16, GFG15, GBS15, MSCS16, SMAG17, TLB18, TBLJ15, AM17a, ABG15, AVT17, ADFG17, AB18, ASS13, ASS17, Alm19, AAD16, ADK17, BJRF18, BCD15, BCO15, BKR15, BFTVC18, CZW17, CCHL15, CWF16, CHT17, CDL17, CGL18, CL16, CJ15, CI17, CWW17, COV18, CEL15, CEL18a, CMH15, CLFL17, DSH+16, DGM17, Did17, EKE16, FBM16, GFC18, GGD17, GDA16, GY17, GSMR18, HR18a, HWH16, HS17a, HTFL18, HdBH16, HLL16, HR17, HMFJ18, HHL17, HXX18, HS17, JTR16, JL15, JLLZ15, JTD16, Jou15, KC17a, KDF15, KE15, KG15, LP18, LTK15, LM16, L17a, LPR18, LGH18, LYZ18, LTXB17, LTW18, LYPP17, LWC17, MML17, MR17, Me18, MDM15, MP16, MM16c]. **element** [MF16a, MWYZ16, MN16c, MZ15, MMW15, NBT19, NH17, NJHL18, NS19, OPHA15, PKF16, PG17, PCX17, PL16a, PH16, PR17a, Rag15, RG15, RZ17, RMB18, RAB15, RRD16, RBV15, RSD17, RBL16, SNS16, SPX18, SDMS17, SC18a, SWZ15, SW16, SWPS17, SZW16, SGC18b, SY18a, SLVE18, SW18b, SA15, SFDE15, SSO+15, SZ15b, SDW16, SS16c, Sov16, TCD17, TH18, TD18, TC15b, Trel16, URL16, US1818, VK18, WYZ18, WG15, WSFG17, WH18, WXT16, XZ15, XJ16, YSC17, YYN17, YX15, Z15, ZL15a, ZGJ16, ZHL18, ZZY19, ZBT17, DJV18]. **element-based** [HMFJ18, JTD16, KG15]. **element-integral** [BKO18].
**element-wise** [MN16c]. **Elementary** [KD17b]. **elements** [CV15, CHD18, DOD17, HR18b, JG15, LMH16, LPG18, LKSM17, MG15b, MT17, MMW15, OKE17, Pas16, RGW16, RSB16, SWG17, SM16, SFP16, YP17, Z16, ZL15a, elevation [NMM18]. **ELF** [Chu17]. **ellipsoidal** [SK19a]. **ellipsoids** [PCC18]. **elliptic** [AR16b, BFBF17, LL17, CW17, CELZ18, CR18, CIF18, EJMI18, FS15W17, FD17T, GLTG15, GY17, GY18, HL15b, HHL17, HS17, KL15, KCI17, LLMS16, MWY16, OKE17, PHHR17, SR16, SD16, V15b, VCNG15, WTG16, WHE17, ZIL15, ZHW18]. **Embedded** [CK16b, SSM18, vLTIB17, AMS17, BKO18, Ch15, DO16b, HCV18, HDF18, KKB16, KP15b, MS18a, MS18b, MA17, NPC15, PB17, RSI8, TAH16, WBM15a, BM15]. **embedding** [KYKS19]. **emergent** [BWR15].
**emission** [AP16]. **emphasis** [KS16a]. **Empirical**
dPSS16, ABD18, NMA15, YZW18]. **Emulation** [LBTCG16, MRA16, XTS16]. **emulator** [ZKS15]. enabled [KMD18].
**Enabling** [YXD16]. **encoder** [ZZ18]. **encoder-decoder** [ZZ18].
endocytosis [LAA16]. **energetic** [Ama18, CSY15].
energetic-particle-magnetohydrodynamics [Ama18]. Energetically [MXL16]. energies [BJWZ17]. Energy [BC18b, BCJL17, CCG18, CCZ15, CG18b, LCF16, MRXI17, MMP18, NM15, OLN17, OKWE17, RKKH15, SL16c, AK17, AJW17, BC18a, Bra16a, BMC+18b, CBZ18, CCG15, CCCRdL17, CJYZ15, CS16c, CLS+18, CLL17, CEL18a, CVG18, Don15a, DS15c, FPASS16, FG17, G19, GZ18, GLH+16, GGT18, GX15, HPV16, HJZC17, HLS15, HW15b, JLFK17, KTK18, LMH16, Lap17, LM18, LW15b, LSS16, LLV+15, LW17e, M18, MDMS18, MGCW18, NM16, NM17, NN15a, PG17, PS14, PS15a, PME+15, RS16, SYY15, SLN15, SD16, Sto17, Suz18, TC15a, TKC15, TCSM15, Tav15, Tav16, TT17a, TKP16, VW18, VCEK19, VV16, WH15, WJD16, WW18, WCL15, Yan16b, YH17, YZW17, YCS+17, ZYSW16, ZN16]. energy- [Suz18]. energy-balanced [PME+15]. Energy-based [CGS18, MKS18, YCS+17]. energy-conservation [CCRdL17]. Energy-conserving [CCZ15, GK19, HJZC17]. energy-preserving [CB18, CCdL15, LW15b, WW18]. energy-stable [Don15a, DS15c, LM18, MDMS18]. energy-transport [HW15b]. Energy/dissipation [SL16c]. Energy/dissipation-preserving [SL16c]. Energy-balanced [LHGF16]. Enforcing [GSK18, MN16c]. engulfment [TYD16]. enhanced [BHMS18, G18, i17, M17, ZAF17, M18, MH18a, PHD16, SW18b, XR17, XM18]. Enhancements [EST17, FL18, BT16]. Enhancing [CSN18, EFW16, JW15a, JES15, YL16]. ENO [S18, FHA15, F17, F18, IDS15, LJ16]. ENO/WENO [S18]. Enriched [LW18, VD18, LW17a, SA15]. Ensembles [KW16]. Ensembles [RMK15]. Ensikog [SG19, W15]. entrophy [BC18, PG17, SL15, SD16]. enthalpy [HW15c, HW16c]. entropic [DCB15]. Entropy [AKM+19, CS17a, CHD+18, DRM15, LSZ18, LI15, PCN15a, PCN15b, ST18a, ABg18a, AS15, Bra16b, Cha18, CW19, CJD+17, CHS17, DW16, DWG17, DWG+18, DB18, G18, G19, G15, IC17, KTK18, LW17a, LFC16, LSI16, MLI17, OPP17, SB17, SW17a, SY18b, WW18, WW18, WWG18, WG15, WG16b, WD17, YC17, BC16b]. Entropy-based [DRM15, AS15, GHH15, SB17]. Entropy-bounded [L15]. entropy-residual [LS16]. entropy-satisfying [CHS17]. Entropy-stable [CHD+18, DWG17, IC17, MLI17]. entropy-variables-based [GMLD18]. Environment [TCS+16b]. EOS [FS16, RK+18]. EPIRK [RT16]. epitaxial [YZW17]. epitaxy [Xia15]. epsilon [Lot18]. Equation [ACGR15, AMN18, AAE17, AAE19, ALi15, AS13, ASS17, AMP16, ABFR16, An17, And16, ADK+17, ABH18, AKHT17, A15, ALR17, ADOP18, BJR17, BM15, BK17b, BJT15, BHL15, BLA+15, BN15, BBF+17, BK19b, BKO18, BD+17, BIR18, BP18, BNS17, BH18, BWR15, BKBS18, BCM15a, BGGM15, BR17, BTT18, CQQ16, CI17, CCZ18, Ch16, CCZC16, CLC16, CM18b, CD17, CHCC18, CM15, CVG18, CV16b, C17, CRG17, CV18,
CLMZ17, Cui15, CHLZ17, DD16a, DvB17, DLNR18, DS15d, DLL+17, DJLQ18, DYL19, DBMB15, DKK15, EG17, EO15, EAAM15, EG16, EMSS17, FS16, FQZNZ18, FGLB16, FLT17, FYC+18, FSM16, GR18, GMP16, GMP15, GMS16, GBD+15, GN17, GD19, GWWC17, GHL15, GL17, HW15a, HR18b, HB16, HW16a, Her16, Hiv18, HML17, HSC16, HF18, HW15b, HJ16, HXX18, HXB15, HHY15, HMRG16]. equation [IZ18, IKS19, JAH19, JW15c, JL16, JLLZ15, JJ17, KS16a, KMdB16, KTN15, KK15, KKS16, KYC17, KL17b, KDL15, KL15, KS18b, LFRH17, LSL15, LAL18, LTKA15, LJZ15, LWWY18, ILLNS16, LZ17b, LSP+18, LDWilliam15, LY16b, LK16a, LTW18, LYA16, LM15d, LQB16, LP17a, LP17b, MKY17, MK17, MS15c, MST15, MZTS16, MR17, MS17, MS18d, MLMM17, MCG18, NH17, NPRC15, OC18, OT15, OL16, OW16, PK16, PA19, PKJ+18, PL16b, PS14, PS15a, PLL15b, PDR17, Ps15, PS17, PSV18, PC19, RIB18, Rag15, RM16, ST18a, SS17a, STEK17, SM16, SLR+16, SW16, SL15, SK15a, SLL16, SL16a, SW16, Smi18, ST18c, SH18, SPR15, STo16, SWL19, SWZ19, SV17, SK15b, SL+17, TCS15, TK15a, Tav16, TSH17, Ter18, TGY18, TBO+16, TCI15, Tou18, TH16, Tsa15, Tsa16, V18b]. equation [VSM17, Vee16, VMM19, Wac15, WSJY16, WY16, WH16a, WLW+18, WL18, WKO17, WBBC16, WSH19, WZ15, WZL+17, WA18, XWB15, XJ16, XJLQ15, XQ17, YYL16, YSL17, Yan17, YJB18, YLA15, YM15, YM17c, YC16, YL17, ZND16, ZJ15, ZY16, ZG18a, ZBT17, ZSX17, ZHOW18, ZYCK15, ZLL+17b, ZV18, aKT16, bWAW15, dW16, MSG18a, MSG18b]. equation-based [OC18]. Equations [HO15, NMM18, AG16, AD15, AR16a, AD17, ALKZ16, AS15, AJW17, ABH18, ABH19, ADH+16, ATZ16, ABR16, ALL18, ABG18c, AEAM15, AB17, BJQ18, BTD16, BK19a, BHJ18, BV15, BGN19, BK17c, BC18b, BG15, BC15, BP18, BDM17, BA15, BZ15, BDBE15, BLM17, BTB15, BG19b, BC117, BSW15, BHG15, BPD19, BHF15, BC16c, BTWY15, BT15, BT15, CZ17, CBZ18, Cap18, CGS18, CRW16, CW16, CA18, CX15, CCZ16, CTG16, CHZ16, CS16b, CHY16, CLZ18, CYL+16, CYLY18, CDN17, CCK+18, CCKQ15, CVK16, CFST16, CE17, Chu17, CRZ17, CC17, CLP16b, CHD+18, CEF15, DA17, Del15, DWG+18, DG16b, DKK+18, DGL+15, DMC16, Du18, DY19, DMTB15, ETA15, EFWZ17, Fal16, FKF17, FHK17, FS17, FX18, FB16, FP16, FLR18, GSN16, GS15b, GS15a, hGwSzS15, GS15a, GW16, GP16a]. equations [GB16, GQM15, GO16, Gno17, GKN18b, GT18, G19, GHL+16, GP16b, GTG15, GY15, GX17, GLW18, HPY18, HE15, HSM19, HKLZ18, HDb+16, HBR15, HHCG15, HZ17, HTM17, HY16, HY15, HZ15, HUY16, HS18b, HS17, HSM15, JLCX15, JPSX18, JW15b, JW16, JX15, JZ16, JX16, JL18c, JXZ15, JL17c, JFS17, Kay15, KNS15, KA15, KÁGR18, KR17, KL18a, LPWK15, LM18, LP18, Ler15, Ler16, LSL15, LZX15a, LX+15, LHC16, LX16, LDL+16, LT17a, LZX17a, LGH+18, LX18, LSL16, ILNS17, LP16b, LXC16, LW17d, LIW18, LY19, LLLN18, LHL15, LFT+16, LHQ16,
LI15, MMNI16, MD17, MD18, MM16b, MS18b, MLM18, MGT18, MS15b, MS16a, MG15b, MR16a, MA17, MKC17, MH18a, MPFL16, MDBCF17, MS18c, MBBKTH17, MDDM17, MHS16, Moh15, MMP18, MFB18, MTK+16, MDB18, MBM+15, MN16c, MTBT18, MN18c, NM15, NLFM16].
equations [NBH18, NN19, NW15, NN16, OS15a, Opp17, OvdHVH16, PG17, PXXL16, PFC15, PPCK17, PP19, PJC16, PCN15a, PCN15b, PS16, PTT18, PE16b, PND16, PE15, PDRB17, PBBK15, PMB18, Pop15, QHZ+15, QDH15, RMA17, RPK17a, RPK17b, RK18, RPK19, RMP15, RDM15, SKP+15, SP18, SS18a, SP15a, Sch16a, Sch16b, SWG+17, SZ15a, SR16, SMS16, SF18b, SY16, SLB+16, SGC18b, SLY16, SYM15, SYM17, SS18b, SO17, SPP16b, SKW19, SX15, SE16, SPZ18, SD16, Stü15, SL16b, SC18b, SL16c, Sub15, SJX15, SJXL15, SJH+15, SJX17, SCS18, Sva15, TW17, TY17, TD16a, TD17, TP17, TC15b, TXKvdV15, TXKvdV16, TST17, TT16, TCL15, TC15c, TO15, TMH18, UL16, VST16, VZ18, VS17, VCNGP15, WN18, WY17, WW15, WR15, WH15, WZ15, XXW15, WRL16b, WTGC16, WHY17, WCL15].
equations [WR16, WWGK17, WWGW18, WG15, WG16b, WBM+15b, WZ17, WZ18b, XDSX17, XY18, XHC15, XL16, YC17, YJ17, YHQ15, YYN+17, YHKPF17, Yi18, YTW15, YWHP15, ZK16, ZA15a, ZSP15, Zha17c, ZHS18, ZLFW18, ZED15, ZJL16, ZQ16a, ZSQ17, vOMB17, NMM17, PMF+18]. equatorially [iI17]. equidistant [WWRS17]. equilibrated [GHP15]. equilibria [HR17]. equilibrium [AHHC18, BJ15, BWR15, CwYjS16, DRM15, FH17, GMLD18, HFM17, HKKP16, IK15, MPP15, RG15, STR15, TCS17, TZ16, WG16a, WMS18, YHQ15]. equilibrium-preserving [TCS17]. equilibriums [NF17]. equipped [ZYK18]. Equivalence [ZN16, ACCCD+17]. equivalent [BM19, KE15]. ERENA [MTK+16]. Ericksen [NWZ18]. ERKN [MW16b]. erodible [LMKS15]. erosion [MS17, QM18]. erroneous [NN16]. Error [Kri17, PDRB17, RS17, AMK17, AGRB18, AR16b, BAD19, BH16b, CI17, CNOS15, DZC16, FC16, GWE+15, HFND18, Hwa16, JW15a, KKJB16, LKN17, MM15, OKWE17, RL17, SD17, SW15, TS17, VLAB18, WK18, WA18, YY16, ZH15]. errors [AÁPB17, Dav10, Dav15, HDA+18, Iwa15, LM16, LZL+17, RRMF+19, SZY16]. esophageal [KBG+15, KGP+17]. essentially [HWA15, LJ16, MBW+15a, ZPW18, ZQ17]. estimate [BAD19]. estimates [DZC16, IM15, JW15a, JES15, YY16]. Estimating [SZY16, TR17, WLK+16, STR15]. Estimation [CLZZ19, EdW17, AMK17, AGRB18, BLS19, Cha16, CN16, EH14, EH15, FAZ16, GP16b, ISP+15, KM17, KRFV16, PKW17, RFGSV15, RL17, SW15, TT17a, TS17, WN17, XS15, ZH15, dFGS+17]. estimator [Opp17, Swe18]. estimators [LB17, OKWE17]. Euler [AG16, BLS19, Bal15, BLMY17, CBC+18, CCK+18, CGS15, CHD+18, DLMDV18, DKK+18, GWK16, GLK19, GP16b, HY16, ID17, JPSX18, JL18c, Ler15, Ler16, LX16, LX18, LI15, MS15b, MH18a, MIP18, MDAB18, MMPS17, PXXL16, PS16, PDRB17, PZF16, TCL15, VZ18, WW15, WR15,
Extrapolated [MK16, EMSS17, FBF15]. Extrapolation [LH17a, SLH18, ABFR16, HK18a, LW18, PHHR17]. Extrapolation-based [LH17a, SLH18]. extrema [Kri17]. extreme [RKL18, VYP15].


Fictitious [ML15, ZLY15, HXLL15, HG18, LH15+19, PR16a]. fidelity [AA16, DIX+18, HFND18, LK17b, LW16, MS16b, MS15c, MW16a, PP17, PVQ17, PK17, RPK17, RKN19, RS17, UG16, VBF15, ZYK18, ZLX17]. Field [SRS19, ARF18, ATM+18, ADFG17, AAE19, BJ17, BGJ+15, BDPM18, BG16b, CL18, CWF16, CC15, CS16a, CJ15, CS16c, CKQT15, CY17, CL17, DGW+18, ES17, Fed17, FCL17, GHL+16, GGT18, Guo15, GFW16, JTR16, JJ18a, J18b, KP18, LSL15, LW15a, LB16, LWZ16, LDL+16, LWY17, LY16c, LBB+17, MA18, OTS17, OLY+16, OLB+17, PP17, PMS15, PD16a, PK15, RTO15, SY15, SLL16, SAOW17, TW17, TK15a, TS16, VSM17, VS17, WJD16, WC16, Wic16].
fields
[BAGK16, BMC+18b, KBR17, LE16, LX16, MLMM17, PVPK17, RRM+16, RSD17, Tao16, TG17, XTS+16, XY17, YG18, ZFPB16]. fifth
[CTG16, WLGD18, ZQ16b]. fifth-order
[CTG16]. fifth
[CTG16]. filtration
[VK18]. finding
[BSWG15, SPM+15]. finite
[CGS15, KGT15, NLFM16]. fine-grid
[KGT15]. fingering
[BST+18]. Finite
[AGBL15, Alm19, AMM+15, BGN19, BTWY15, CLC16, CEH16, DG18, DSH+16, DJV+18, EN18, FPT17, GFG+15, GBS15, Gria19, GSS15b, GMR18, HKW19, IGQ15, Kay15, KS15a, LTKA15, LYC16, LYPP17, MML17, MDL16, Mas18, MHZ+15, NBT19, RGV15, SKO17, SYV17, SP16c, TVB+16, TRKL18, YYN+17, ZSQ17, vEKdb16, AM17a, ABG+15, AVT17, ADG17, AD17, ASS13, ASS17, AAD16, ABFR16, ADK+17, ABT16, AM17b, BJRF18, BCD+15, BD15a, BBKS16, BHL15, BJWZ17, BGN15, BK17c, Bat17, BC18b, BKO18, BGV17, BLVC17, BH18, BLMY17, BLD15, BZ15, BD17, BDLM18, BHTT17, Bra16c, Bre17, BKRB15, BFTVC18, CCHL15, CBS18, CCS18, CWF16, CHT17, CCZ18, C1TG16, Che18, COV18, Cho15, CDX18b, CEL15, CELZ18, CEL18a, CM15, CGP16, CR18, CPS17, CHS17, CYWL17, DGMT17, Did17, DLK17]. finite
[DMS17, DDH+18, DVP+16, DL16, DvWZ18, FAZ16, FS18, FGLW18, FBW16, GSS15a, GH17a, GFC18, GK19, GOR17, GDS+16, GS16, GG15, GBD17, GL15, GLK19, GL+16, GDA16, GY17, GL17, HR18a, HWH+16, HR18b, HS17a, HdBH+16, HZL+15, HLL+16, HR17, Heu17, HMF18, HLY17, HY16, Hu17, HXX18, HAH16, Ism15, IDS15, JTR16, JW15b, JW15c, JW16, JLLZ15, JD15, Jou15, KKH18, KDF15, KW15a, KW15b, KE15, KYJC17, KL17b, KP18, Kla15, KS17, LH16, LM16, LLD+16, LY15a, LN17, LAL18, LX16, LL16b, LHMB16, LMC16, LZ17a, LGH+18, LYZ18, LWY18, LZ15, LY15b, LZ17b, LMMS16, LTB16b, LJ16, LT1W18, LKSM17, LWC17, MF17, MN04, MN17, MDHC15, MR17, MT17, Mel18, MH18a, MMvR18, MR15, MH18b, M0S16, MM16c, MF16a, MB18, MWY16, MN16c, MMW15, NH17, NJHL18, NS19, NN15a, Nis15, NF17]. finite
[Nor15, OL15, OL17, OV17, PBR15, PCX17, PL16a, PL18, PHO+16, PS16, Pe16, PS15b, PWP15, PS17, RB18, Reg15, RG15, RGW16, RMBN18, RMB15, RRD16, RSD17, RWN18, RBL16, SNSG16, SPX+18, SDMS17, SGL18, SAEF17, SWG+17, SM16, Sha17b, SF18b, SY16, SGC18b, SY18a, SLY16, SY17, SW18b, SYV14, SDH+16, SKG17, SA15, SFDE15, SSO+15, SZ15b, SDW16, SZ17, SS16c, SP15b, SDW18, SK18, Sub18, TL15, TD18, TMT17, TC15b, TBO+16, TKP16, Tso18, URL16, VSD18, VKE+18,
VSC18, WR15, WDL16a, WRL16b, WRPL17, WYZZ18, WLD18, WLV+18, WT15, WSF17, WA18, WHZ18, XWL+16, XdW17, Xz15, Xx16, XJ16, XDSX17, XM18, YG18, YSC+17, YYL16, YHQ15, YP17, YX15, YM15, ZCHS15, ZS16, ZS15, ZLZ15, ZGJ16, ZZZ17, ZG18a, ZHLZ18, ZS18, ZSL+19, ZBZT17, ZQ16b, ZQ17.

Finite-Element

GFG+15, AVT17, AAD16, CHT17, GFC18, JTR16, SFDE15.

finite-element-based [CMH15].
finite-elements [SM16].

Finite-Volume

DG18, IGQ15, TVB+16, vMKB16, CCS18, CDX18b, DDH+18, GOR17, GDS+16, IDSG15, KS17, LL16+16, LN17, LL16b, LZ17b, MDHC15, Nis15, Nor15, PS16, SDH+16, SKG17, TMT17, Tso18, VSC18, XDvW17, ZSL+19, CJ17. Finite-volume-concept-based [SKO17].

Finite-volume/Monte [GDS+16].

First [CC15, LSL15, SLL16, ALKZ16, AZK16, Cac15a, Cac15b, DBZ17, DPRZ16, DPRZ17, DKK15, Hiv18, LWWY18, LM15c, LLLN18, MA17, MN16a, MRN16, OWKE16, PTMF18, Roy15, SM16, VSM16a, VSM16b, VLN+18, WTX17, Yan16b, YH17].

First-order [Hiv18, LWWY18, LLLN18, MN16a, MRN16, OWKE16, SM16, VSM16a, VSM16b, VLN+18, WTX17]. first-principles [AZK16]. fitted [BOA17, CZBC+18, CW17, DSH+16, RA17, WW18, ZJ18, ZSX17]. fitting [LT17b, ZXDL17]. FitzHugh [LZT+15]. five [TG18]. five-equation [TG18].

FIVER [MZF17]. fixed [DGW18, IKI15, RZ15, SY17]. flame [KP15b, LZL+17].
flames [WSS+18]. flash [WKSS15]. flat [KJYC17, KMGR16, WF17]. flexibility [HI15]. flexible [BSK15, BPGS16, DG18, DCP15, FKR16, GLS15, JSP16, Moo17, NRZS17, SWG+17].

flexible-wing [Moo17]. Flexibly [YS18a]. flexural [MD18].
flexural-gravity [MD18]. floating [CGSS18, LC17a]. flocking [ZK18].
flooding [DD17a].

Flow

BPS17, KLA17, YDCK16, ABI17, AASRT17, ABG+15, APR+15, APP+16, AAG16, APV+18, AS17, AMS17, BCSK17, BZ19, BCST17, BB17, BBKS16, BHST17a, BHST17b, BHST18, BGN15, BAD19, BLVC16, BLVC17, BPS16, BLK15, BAV17, BLG+16, BLJ17, Bon17, BCB17, BHM18, BC16d, BB15, BKG15, BKKR15, BKRR16, CB18a, CCRdL17, CC15, CX15, CK17, CV16a, CS17b, CGRV17, CV18, CM18d, CLNH15, CvKH16, CfvKH18, DM17a, DGI18, DM16, DWR18, DDV18, DGMT17, DB16a, DL18c, ES17, EST17, EN17, Fal17, Fan16, FMRS17, FST15, FW17, FSB16, GZM+17, GPAO+18, GPS17b, GSL18, GDF17, GFL17, GGL+17, GO16, GCVCHHI18, HXLL15, HTF18, HSK+15, HG17, HGW18, HKH+16, HW16b, HDF18, HY17, IPSG15, ION+17, JSP16, JSVD17, JL16, JT18, K17a, KHP17, KA18, KJ17a, KEJ18, KH17, K17a, Kla15, KF17].

flow [KS16c, KS18b, KW16, KFW17, KRK+18, KJ17b, KS16d, LVB+15, LE16, LRA17, LW18, LH15, LPGT16, LHB+16, LZB+17, LLFX18, LLY18, LXT17, LKN17, LNM15, LAA16, LRG018, MZAF17, MNG15a, MCN18, MTZ16,
MT18, MH19, MHL17, MN18b, MS17, MDP+15, MTJ17, MF16a, MB15, MLB16, MM16d, NL15, Noc15, NSK+16, NSL16, OT15, OSP17, PZNG15, PGC18, PHO+16, PT18, PLW16, PGGW18, PZF16, PME+15, QYF15, QLF16, RVZB15, RWG18, RW15a, RXSG15, Ru18, RPC+18, SK19a, SPX+18, Say17a, Say17b, Sha17a, SRBB18, SLL17, SCJ+18, STG17, SPW18, SHW17, Str17, SK18, SWLW19, SKC17, SCS18, SZCL18, TH18, TP16a, TLH15, TWH15, TAH16, TLLF15, TT16, TD16b, TSST16, VCEK19, VVW17, Vos17, Vre17, WWR16, WYLX17, WSN+18, WPB15, WC18, WCF16, WKSS15, XCX17, XXR18, YYY+16, YSY17, YNW17, YR15].

flow [YM17b, YTW15, YZZ15, Zad11, ZP16, ZLY15, ZW15, ZV16, ZW16, ZZ17+17, ZZ17b, ZZ16, ZRE16, aKT16, dFJN16, dMRHJ17, dPSS16, tEDKT17].

flow-field [TSST16].

flow-transport [BKRB15].

flowing [ZZDB15].

flows [ACGR15, AMB17, ALO18, AB18, ACS16, AB15, AEwW19, Ball15, BMR+16, BJ15, BFI+18, BC16a, BS15a, BVM17b, BMT18, BDPM18, BFVTC18, Caf16, CV17, CBS18, CGS18, CFSN18, CGK17, CL16, CJD+17, CZL+15, CX16, CHJT17, CZL18, CS18b, CLG+19, CD17, CG15, CEL+18b, CC16c, CLGA17, CG18b, CPS17, CG16, CM16b, DG18, DLM18, DIX+18, DXvW18, DY16, DAo17, Don15a, DS15c, Don17, Don18, DVP+16, ES16A, EJMI18, FGL16, FBL17, FWH17, FNGDMNR18, FNP17, FMPT18, Fid17, FB16, FPT17, FC19, FG19, GMLD18, GOR17, G18F, Ger17, GWC17, GG15, GBCF15, GBCF16, GZ19H19, GJ15, GRS15, GEZK16, GA18, GWYS18, GAS+18, GSS15b, HHA15, HF1M15, HL15a, HEPG15, HZL+15, HTZG17, HP17, HSB16, HM16b, HTCMP17, HW18, HTBG15, IGG15, JS17, JLC18, JGS16, JJ18b, KK18H].

flows [KYUO15, KTN15, KP15a, KLNH17, KCS+17, KF17, KP15c, KYW+16, KYW+18, KL18b, KV16, KS15b, KTK18, LMPS15, LS15a, LVTR15, LPG18, LB17, LFDP16, LL16b, LW17b, LPR18, LWJ18, LSD+17, LSR16, LC16, LC17b, LD15, LMKS15, LWB+16, LXS16, LH17b, LH18, LDH15, LZW+17, LHA15b, LHA16b, LWT19, LEB+17, MLM17, MM16a, MG15a, MZ016, MOAA15, MTZ16, MA19, MC15, MP17, MRK15, MRX17, MGS16, MDP16, MF16b, MLL18, MA16, MSB+16, MR16b, MM18, NdLPCC19, NDCB17, OVP15, OSK18, ÖPHA15, OD17, PKP+17, PNZ18, PHHA18, PL16a, PL18, PSS17, PSB+18, PM16, PPLC16, PW18a, PN17, PN18, PG17, PLW16, PF16, PEVG18, DM18, PCBG18, PWP15, QS18b, RS16b, RG17, RV16, RMF+18, R15c, RZ15, SXB15, SWS17, SPD+17, SP15a, SM16, SHA16, SL17, SKF15, SW17, SVG18, SAK18, SWMD17a].

flows [SWMD17b, SX18, STW16, SDM+17, SY18b, SDH+16, SKG17, SSA17, SMS18, SGT17, SST+15, SG17b, Suz18, TZW17, TK12, TK15b, TND18, TBO+16, Tou18, TMH18, TKP16, TAB17, UG16, VPM15, VSM16a, VSM16b, VALT16, WDG+17, WSY15, WSS+15, WSH15, WSY16, WSP17, WCH+17, WZ18a, WKPS18, WSN+15, WMS18, WGME17, WL17, XWL+16, XDvW17, XX16, XML17, XSL18, XWZ+18, XS19, Y17b, Y18b, YS15, YSW16, YXF+16, YSWW16, YEGM17, YD18, YL16, YCS+17, ZBH+18, ZMF15, ZMCC18, ZLC+18, ZLGS18, ZGW17, dFV15d, dLGT+17].
flux-split [HZL+15]. flux-splitting [KKS16]. fluxes [CCK+18, DH18a]. fly [EZG16, Mas18]. FMM [CHCC18, YS18a]. foams [SS16a]. focused [TSN16]. focusing [KLWQ17]. Fokas [CFF18]. Fokker [FLT17, TC15a, TKC15, TCS15, TCS16a, TCS17, CM18b, CCL16, GJ15, GA15, HYK+16, KJ17b, KJ18, MS18d, SV17, SK15b]. folded [CLR15]. Force [HLU15, TP16a, ZLH+17, AAL15, BDG+17, CFO18, DKPC15, DKC15, KK16, LBB+17, SD16, VSM17, WG16a, YZT+18, YCS+17, Zau16]. force-coupling [DKPC15]. force-field [LBB+17]. forced [ABG+18b, CM18a, GTC18]. forces [CG16, GLTB18, GLMC16, HWK19, LT15, LM16, NJPB17, YDCK16]. forcing [CK16a, Hig15, KLSF15, LC15, LWT19, PPLC16, PG18, PVB17, YS15]. form [ABH18, Del15, DS15c, DKK15, GWK16, JFS17, KML18, OWKE16, RÖS17, RSSSE18, RWN18, RN18b, SPP16b, WKO17, WMM+18, XWW+16, ZZH16]. formalism [PD17, SD15, SSL+16b, TZSS17]. formalisms [OML16]. format [GKMS17, GJ18, LY15c]. formation [AZ17, GP17, SG18, SP16]. forming [CLFL17, PR16b]. forms [AMH+18, KTK18, PF15]. formula [DF16, LDOK17, PRL+18]. formulas [DC18b, Loz17]. Formulation [Kor17, KSVB18, Teu16, TSB+18, BVG+16, BHST17b, BDDA+18, BBF+17, BC18c, BS15a, CZBC+18, CCK+18, CMH15, CCRW17, DGI16a, DSH+16, DCP15, Don15b, Don18, DPRZ16, DB16b, DPRZ17, FRL15, GPRA18, GMLD18, GS16, GC17, HTFL18, HL16b, Jou15, Kim15, Lap17, LL19, Ler15, LHA16b, MRRF18, MN16b, MTJ18, MTD15, MR16b, NN17, NN19, NF17, PBP18, PND16, QSB18, RG15, RWN18, SDMS17, Sel15, SM16, SL16a, WZ18a, YTW15, ZHA17b]. formulations [AG16, FDL17, JHPAT17, LGO17, RB15, SST+15, SN18, VS17, WRL16a]. Fortran [GBR15]. forward [FYC+18, GPRA18, RMA17, RP19]. forward-peaked [FYC+18]. four [Ein19, RS16a, SD17, SN15]. four-dimensional [RS16a, SD17]. Fourier [GKE15, Str18, AW18, ALM15, DY17, Fer17, GSN16, GWWC17, HB15a, KFL17, MDVM16, MP16, MH17, ST15, SG16]. Fourier-spectral [ALM15, MP16]. fourth [BGN19, CG16, DL17, DLL+17, DL18b, DL18c, FS18, GH17a, GPS17a, GPS17b, GLW18, pHzSrC15, JPSX18, LHM16, PXL16, VSC18, YC17]. fourth-order [CG16, DLL+17, FS18, GH17a, GLW18, pHzSrC15, JPSX18, LHM16, PXL16, VSC18, YC17]. FPDEs [ZK15]. FPGA [LWL18]. FraC [FNNB19]. fraction [DB16a]. Fractional [ECC18, KH15, KADE15, KADE17, MK17, SK19b, YPK16, ZK15, ZM16a, ASB+15, Ali15, ADH+16, ATZ16, AEM15, AHKT17, Ata15, BJO18, Beg15, BA15, BZ15, BDBEE15, BK18, BSWG15, BTWY15, CF15, CCL15, CXH15, CNOS15, CLC16, CP16, CWL+16, CLZ18, CV16a, Cu15, CGG18, Die15, DMS16, DLL+17, DYL19, DZC16, DwWZ18, EAA15, EE16, GSS15a, GS15a, GMP15, GLW18, HPY18, pHzSrC15, HO15, HB16, HSC16, HZ15, J15b, JW15c, JW16, JX15, JX17,
[WHL17]. FSI [BHST17a, BHST17b, BHST18, LHB+16, Liu16, LHW+17].

FTLE [NJ15]. fuel [CLB+16, MTL+17, PBA+15]. Full [LXSC16, ST16, ZKS+15, AEL+17, BFPI8, CXX16, DBD+17, HdBH+16, Hig17, HLTC18, Ido16, JAH19, KYPK15, MKYZ17, MAM16, MDP+15, PKN17, Par15]. full-[Ido16, KYPK15, Par15].

c-full-angle [Hig17]. Full-wave [ST16].

c-full-waveform [BFP18, MKYZ17, PKN17]. Fully [AVT17, FLV15, KSI17, LSMS17, NN15a, NLW+16, PKLC17, WSP17, XDvW17, BA15, CZBC+18, CC16a, CS16a, CCGH17, CLNH15, CvKh16, Del15, EKEB16, FRW16, GS15b, HYK+16, JHT+18, KBG+15, KL18b, LLD+16, LM15a, LMKS15, MJ16, MNO+17, MTJ17, MTJ18, NN17, OvdHvH16, PR16a, PP17, PBC+17, QWXZ17, SMOM+17, SCC19, TCSM15, TH18, WMY18, Xia15, ZLY15, MHL17]. Fully-coupled [XDvW17, TH18, MHL17]. Fully-implicit [NLW+16, CZBC+18, Del15, LLD+16, MNO+17]. Fully-resolved [WSP17].

Function [BL18, AMN18, BR17, Cha16, CS18a, CVK16, GBvZB16, GKE15, HXB15, HLTC18, Ike18, KMGR16, KW16, LB15, LC16, MG15a, MF17, MJ17, OD15, PD15, Sha17b, SF18b, SWX18, SP15b, SWLW19, TZS17, WQZ15, WX18, XYPT16, YSW15, YYL18, YC16, ZXL17, Mue18].

function-based [YSW15]. function-generated [MF17].

Functional [GS16, OLb+17, AJP15, AKZ16, AAB+15, BH15, BEJ15, GIJ18, GZ18, NP16, NGY+17, RS17, Tax15, TVB+16, ZLH+17]. Functionally [WW18].

Functionally-fitted [WW18]. Functions [SNK18, Alm19, BVM+17a, Bar18, BC16b, Bre18, CDDL19, CLP16a, FHY+19, FBW16, FLT18, FC16, GRI15, GRI19, HBR15, KDF15, KMGR16, LC18, LC17b, LHY17, LV18, MVK15, MR16a, MDF18, PLHA18, STR15, SKS17, SW18a, VGF16, WG16b, WF17, XL17a, XM18, ZKS+15].

Further [LPR19]. fusion [FBC+16, GDS+16, HYK+16, HJ15, LKK17a, LKK17b, RKH15, Ram17].

future [MSV+16]. fuzzy [ASB+15].

FV [CMDL18]. FVM [HL18]. FVTD [BTGM17, BGTM18].

G [MBM+15]. G-FDTD [MBM+15]. Gabor [DvB17]. Galerkin [HGNI17a, RHI18, TR15, ZN16, AG16, AM17a, AS15, ADK+17, BFI+16, BH16a, BH19b, BST+18, BFI+18, BDI17, BC17b, BCI17, BGK18, BFT17, BD17, BCBI17, BD18, BT15, CGQ18, CBA17, CGMH18, CWM+16, Cha18, CW19, CHOR17, CHY16, CS17a, CYL+16, CYYL18, CZZ18, CCK15, CLG+19, CS18, CXY19, CK16a, CK16b, CC19, DM17b, DKK+18, DLL+17, DY19, DL16, EIN19, EL18, EHXM15, EG18b, FK17, FK18, FNP17, Fer17, FX18, FGL16, FBM16, FS17b, GR18, GS15b, GKW16, GCVK15, GBC+18, GSN17, GX15, GY15, HL16a, HGR16, Hig15, HGN17b, HH16, HB15b, HS18b, Jac17b, JAH19, JH17, JLL15, JL17c, JHT+18, KFM+17, KRF16, KG15, KFWK17, LHM16, LLP+16, LW17a, LW18, LPR18, LX18, LYZ18, LT16b, LP16b, LY16b, LW17e, LSZ18, LMB18, LTV18, LKM17, LLL18, LHL15, LI15]. Galerkin
[LSI16, MSK18, MLM18, MRRRF18, MS16a, MK17, MNG15b, MN16a, 
MCK17, MF16a, MLB18, MSP15, MSP16, MSB+16, MMPS17, MYZ16, 
MH17, NdILPCC19, NJ15, NPC15, NPRC15, NDCB17, NLW+16, OLHD17, 
OKE17, PL16a, PE16a, PSB+18, PP17, PP18b, PND16, PMB18, QSY16, 
QDH15, RXSG15, RRMF+19, Say17a, Say17b, SS18a, Sch16b, 
SMP16, SLB+16, SZ15b, SDW16, SE16, SPZ18, St16, SWZW19, SCS18, 
TH18, TSC17, TD16a, TD17, TD18, Teu16, TXKvdV15, TXKvdV16, 
TLB+18, UL16, URL16, VSDW18, VCNOP18, WW15, WZ15, WTGC16, 
WYZ18, WSN+18, WLE17, WWGK17, WGGW18, WG15, WMM+18, 
WBM+15b, WH16b, WTX17, Xia15, XJLQ15, XL16, YY16, Zha16, ZHL+17, 
Zha17c, ZY19, ZBZT17, ZT17, ZK18, dFVJ15, vOMB17]. 

Galerkin-Fourier [Fer17]. Galerkin-free [BFI+18, SLB+16]. Galerkin-mixed [GS15b]. 

[AAI16, AEVW18, BLVC17, BMT18, BTA17, CBS18, CX15, CXL16, CCL16, 
CLM15, DMAM15, DY16, DLR15, FSBI6, GBM16, GJ15, JPSX18, JZSX18, 
KJ17b, LS15a, LVB+15, LLFX18, LLY18, LXSC16, LKB16, MTZ16, OCS18, 
PX15, PXLL16, PX16, Par18a, PLWJ16, PCBG18, RXSG15, RXS16, RL18, 
SVG18, STKH15, SY18b, SWZW19, SJX15, SXJL15, SSt+15, SXJ17, 
TZGW18, TK12, TK15b, WYLX17, WZQZ15, XCX17, YSW15, YWS16, 
YN17, YZZ15, ZHS15, ZLY15, ZLFW18, ZQCT15, ZXL17, ZLG18, ZZZ16]. gas-kinetic [CX15, JPSX18, JZSX18, LLFX18, LSX16, PX15, PXLL16, 
PX16, PLWJ16, RXS16, SSt+15, SXJ17, WYLX17, XCX17, YSW15, 
[AIP17, ATC17, BLVC16, Lap16, PL16b, SB17, WZR15]. Gauge 
[WSF17, GH15, Say17a, Say17b]. gauss [GS15c, AP16, AS16, Kas15, 
MRRRF18, Nis18a, PKN17, PR17a, Spe15, St17, Teu15, Tas16]. 

Gaussian-type [Spe15]. gauss-verifiability [GS15c]. Gaussian 
[BKP16, BVS18, CZB15, EMZ16, LLY15, LYA16, MKC17, NP16, PVPK17, 
PSMPG17, RPK17b, SL16a, TBG16, WLL16, XX17, ZFPB16, ZKS+15]. Gaussian-like [BKP16]. Gaussian-sum [EMZ16]. Gaussian-windowed 
[SL16a]. GBS [HRJ+16]. GCL [SYV17, GBM16, SYV14]. Gegenbauer 
[SP16a]. Gegenbauer-based [SP16a]. gels [RBJS15]. gene [LB17]. 

General [BHST17b, LW15b, Ab18a, AVT17, AB16b, BDV17, CV15, 
CHD+18, DC15, Don15b, DB16b, Her16, JAH19, KYPK15, LMG15, 
LKK17a, LHGF16, LMT18, PA15, RBL16, SAEF17, SMS16, SGD18, SDW18, 
Tao16, TCI15, TCI15, WHY18, YF18, ZLL16b, ZMP19, ZWG17]. Generalised 
[Eng18, Ran18, CC16b]. generalization [Sha17b]. Generalized 
[BPGS16, BL+15, CSS15, DKTH15, HL15a, KH18, PX15, 
VHZ18, Ama18, ABH+19, ABdC+18, BVM+17a, BLM18, BLS15, CEL15, 
CELZ18, CEL18a, DS15c, DW15, EARA15, FAL17, GFVR18, IG15, 
KKJB16, LY16b, MS17, RASS18, SNSG16, TM15b, WZR15, ZHA17b,
Gradient-based [GJ18, ES18]. gradient-direction [GGT15].
gradient-driven [CPT16]. gradient-enhanced [PHD16].

Gradients [WN17, ABG18c, Bat17, BHdD18, Loz17, Nis18a]. grafts [BFI16].
grain-grafting [BVM17b, JTR16].

grains [BVM17b, JTR16].
grain-resolved [BVM17b].
grained [FOF15, HKKP16, KKP15].
graining [CSCM16, MVKD16, SZK17, dICGCA17].
granular [AA16, BVM17b, FNGDMNR18, FC19, IML15, LEB+E17, MDP18].

graph [WQZ15].

graphene [BTA17, KM16a, LYDB17, Ram18, RMC15].

graphene-reinforced [LYDB17]. graphical [LZ18].

gravitation [BLMY17, CCK+E18, GLK19, LX18].

gravitational [LX16, XCF17]. gravity [MDW18, vOMB17].

gray [CG15, SJX15]. greedy [FHY+E19, SKS17].

Green [BR15b, BR16, Pop15, BL18, Cha16, GKE15, HLTC18, LM15a, LC16, LC17b,

MDT16, Nis18a, PD15, Sti17, TZSS17, VGF16].

Grey [DRM15, MRM16, TW18].

Grid [RO16, AZ16, ACJ17, Ani16, BGG16, CQ15, CXL16, CS16b, CLB+E16, EH14,

EH15, FGL16, FAZ16, FPDT17, GH17a, GCVMK15, Gro18, HK16a, il15, il17, JW15a, KLA17, KPKG15, K515a, KGT15, LKNH17, Kor17, KS16d, LML+E16, LLM17, LHMB16, LWWY18, LKN17, MNG15a, MPFL16, MHZ+E15,

MAH16, PMGW16, PLWJ16, PR16c, PJB+E19, RRM+E16, SPB18, SFT16, 

SP16c, Sub18, SZF15, Teu15, VPM15, Vre17, WDG+E17, WTGC16, WHE17, 

WHE18, WIL18, XLI17a, XSI15, XTYL18, YYL16, ZZKF15, dLDG+E18].

Grid-based [RO16, RRM+E16]. grid-independent [WDG+E17].

grid-refinement [KS16d]. grid-to-rod [CLB+E16].
gridding [PLB18].

gridfree [CB18].
gridded [DTA+E15].

Grids [SYV17, ABH18, AB17, AG18, BNK18, BST15, BHTT17, CBC+E18, CTG16, 

CYL+E16, CZL18, CLP16b, DDJ18, DWR18, DPO16, DL15, DBBB15, E18, 

EH18, FGLW18, GZLH19, HR18a, HL16a, Hu17, IGQ15, IDSG15, IM17b, 

JL17a, KF15, KW15a, KG15, KD17b, KL18a, K517, LAL18, LGB17, LB15, 

LPR18, LYZ15, LY15b, LT17, LAEK18, LHGF16, MM16b, MN15, 

MDHC15, MDM+E15, MGBG16, MGB+E18, MHGM+E15, MF16a, ML16, 

NOM+E17, NYNYM15, Nis15, Nis18a, OLDN17, PxRS17, PL16a, PN17, PS16, 

Pei16, PF15, PBC+E17, QDRB15, QLF16, Rag15, RDP17, RSD17, RKO+E17b, 

RH+E19, SP18, STK+E16, SS16b, SwS16, SY16, SYV14, SGD18, Sti16, 

TRLK18, WR15, WC15, WR16a, WRL16b, WRPL17, WWR17, 

WKSS15, WRL18, XX16, XDSX17, XX17, XL16, XWZ+E18, ZA15b, ZSW17].

Gross [ATZ16, ABR16, MBM+E15].

ground [ATZ16, BJJT15, Rua18].
group [JPLL15, KA15, LWLC17, MWH16b].
growing [Bra16c].
growth [CB19, DMS17, FW+E18, JTR16, LT17, RW15b, RTO15, YZW17, YC16, 

dICGCA17].

GRP [DL18b, WW15].

Grüwald [MBSS15].
guaranteed
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[DWGW16]. Guermond [Sir19]. guided [GBS15]. gui[ng] [PKK18]. GW [LLVF+15]. gyrokinetic [CBB16, CB18a, DCD+18, Idol6, KB18, KHC+16, KYPK15, YXX+16].

h [CYYL18, CC17a]. b-adaptive [CYYL18]. H-PCFE [CC17a]. Haar [ABP+16, AAE17]. haemodynamics [BFI+16, Gam15]. Hagstrom [AMP16]. Hagstrom-Warburton [AMP16]. half [AS16, GMP16]. half-range [AS16]. half-spaces [GMP16]. Hall [MAH16, SS17c]. Hamilton [DG16b, OS15a, ZQ16a, ZSQ17]. Hamiltonian [QHZ+15, CEF15, GAM+16, FQZNZ18, LKB18, KHC+16, KYPK15, YXX+16]. handling [ADGN17, MPR+18]. hard [CT15, Cos16, KBK15a, SAH17]. hard-core [Cos16]. hard-sphere [CT15]. HARM [RKO+17b]. Harmonic [PAFT19, BG19a, DGL+15, ETAG15, LY19, MSG18b, RPC+18, SC18b]. Hasegawa [HK15a]. Haut [AS17]. HDG [MTBT18, SC18b]. HDMR [JL15]. heart [ANL+16, KDPK15, NCP+17, SBG+17]. Heat [FS15, CMP19, CP16, CLG+19, DPRZ16, HG17, HDA+18, HC17, JL17c, MBHS17, PLC18, STK+16, ST15, VBG16, WSP17, WL18, WED15, YK15]. heat-conducting [DPRZ16]. heated [KHP17]. height [OD15]. helices [XR17]. helicity [Suz18]. helicity-preserving [Suz18]. Helmholtz [ABFR16, BBF+17, BDK+17, CDC17, Cha16, CHCC18, CMH15, DLS15, EFHZ17, EG16, FQZN18, HK18b, JHPAT17, LGB16, LQB16, NRC15, OL16, RS16, SLR+16, SwS16, Sto16, TCD17, WA18, YL17, ZND16]. hemodynamic [ISP+15]. hemodynamics [DFGQ16, MSV+16]. Hermite [AS16, DL18b, ECC18, FXX15, LIW18, Nor15, ST18a, TLQ15, TLQ16, YLB16, ZQ16a, ZSQ17]. Hermitian [VYP15, ZD15a]. heterogeneity [BRK17, CGG18]. heterogeneous [ABG+15, BC18c, BM16, BSWG15, BKBRB16, CMG18, CHCC18, CEL+18b, CFvKH18, DD+15, DD16b, FQZN18, FGF+15, GVTQ16, HLI15b, JTT18, KYKS19, LK17b, LZT17, MGK17, MSS16, SNS16, SPX+18, SAEF17, SHP+16, TKB+15, TWH15, TA1H16, TMT17, YGEM17, ZAK15, ZHW18, dMRHJ17]. hex [RGW16]. hexagonal [GHL+16, RKRGW17]. hexahedral [WHY18]. HFVS [CJL16]. Hidden [RK18]. HIE [Ram18]. Hierarchical [BABD16, DH18b, PK16, TS17, AAE17, LMBZ15, OS16, RBL18, SA15, XQ17]. High [AD17, ABFR16, And16, ADK+17, ABH18, ABR16, BJRF18, BNM15, BKO18, BST+18, BKI16b, BDZ15, BD18, BPD19, CCK18b, CLX15, CLTX15, CYX19, CC16c, DD19, DX+18, DS16, DLI15, DL15, DHH+18, DCD+18, DPRZ16, DPRZ17, FP16, GLK19, GMA18, IDSG15, JLQ15, JFS17, KW15a, uKHKG19, LX16, Li17, LZ17b, LS16c, MR16, MNR17, MS15c, MW16a, MDC15, MC15, MP15b, MM16c, MS15+15, NMC15, OV17, PxRS17, PLHA18, PKA+16, RA17, Sch16b, Shui16, SYV17, SY18b, SC18b, TLQ15, TLQ16, TL15, VAD17, WL17, WT15, XJLQ15, YK18, AHNF15, AD15, ALM+17, AMP16, APKP16, ABH+19, ALMJ15, ANL+16, BZ19, BD15a, BAGK16, BZ16a, BM+16, BVT18, BGG16, BZ18, BFT17, BSM16,
BDPM18, BTT18, BFTVC18, CGQ18, CBB16, CBS18, CB15, CGMH18, 
CCK+17, CDL17, CQ15, CJL16, CS17a, C2Z17]. **high**

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[CZL18, CVK16, CFST16, CLQ17, Cot18, CLP16b, CWJ18, DC18b, 
DWGW16, DYL19, ECC18, FDKI17, Fa117, FQZNZ18, FAZ16, FWK17, 
FBM16, FK17, FHA16, FHA18, FYO+15, hGwsSzS15, GFC18, Ger17, GSL18, 
GS18, GGL+17, ZL1H19, GGT15, GEZK16, GY15, HAPK15, H19K, 
HTZG17, HBR15, HW16a, H1N17a, H1N17b, H1N18, H1F18, HLQ16, Jrl19, 
JZS18, JTD16, KC17a, KCW17, KH17, KRFV16, KYW+16, KYW+18, 
Kou16, KFK17, LMI16, LMS17, Lap16, LL19, LLP+16, LAL18, Ler15, 
Ler16, LSWF16, LLL16, LW17b, LL16c, LGB16, LWB+16, LW17d, L1S18, 
L1W18, LKS17, LQB16, LP17b, LS16, MLM18, MS16b, MNG15b, MA17, 
MN16a, MTT19, MKC17, MDM+15, MA16, MSB+16, MMPM17, ML16, 
MB15, MM16d, NYXN15, NMM15, N15J, NN15a, N1NW17, LL18a, 
OLDN17, O'S15b, OSK18, PE16a, PP18b, PKW17, PAFT19]. **high**

[PE16b, PMB18, PBC+17, QWX18, QS18, RXSG15, RXS16, RGPS17, 
RN18a, RSB16, RRIMF+19, RWN18, STHW17, Say17a, Say17b, SSV18, 
SL18, SC18a, SWL15, STG17, SYV14, SLN15, SPZ18, SGT16, SGT17, 
Sti16, SK18, SWZW19, SK15b, Tao16, TD18, TK12, TK15b, Ter18, TMH16, 
TMH18, Tre16, TBG16, TB18, TKP16, Tso18, UG16, VPV+17, VN15, 
VWW17, VSM16a, VSM16b, VBF45, WW15, WLM15, WZ15, WSY15, 
WCN15, WRL16a, WRL16b, WTG16, WR17, W1L+18, WSR15, 
WDGW17, WME17, XQ17, XTYL18, YCPD15, YFJ15, Z1P16, ZZK16, 
ZL15b, ZZZ17, Z1a17c, ZY19, ZED15, ZXL17, Z1S17, dLDG+18, DL18c].

**high-accuracy** [CBB16, Fa117, WZ15]. **high-aspect** [Sti16].

**high-dimensional** [BVT18, BGG16, CB15, CQ15, CVK16, Cot18, FDKI17, 
FK17, Kou16, L1LL16, LL16c, LW17d, T1BG16, WCN15, WTG16, Z1K16].

**high-energy** [LMI16]. **High-fidelity**

[MS15c, MW16a, LS16, MS16b, PKW17, UG16, VBF15].

**high-frequency** [C1D17, CLQ17, FQZNZ18, HBR15, NN1W17, Tre16].

**high-level** [ZED15]. **High-Order**

[BD18, BPD19, DS16, AD17, ADK+17, ABH18, ABR16, B1M15, BKO18, 
C1K18b, CXY19, CC16d, D1DJ19, D1LC15, DDH+18, DCD+18, FP16, GLK19, 
IDSG15, KW15a, L1Z17b, LS16c, MRM16, MHD15, NMC15, PLHA18, RA17, 
Sch16b, SC18b, TLQ15, TLQ16, TL1H15, WL17, WT15, Y1K18, AHN15, 
AMP16, APK16, ABH+19, ALMJ15, B1Z19, B1AGK16, B1Z18, BFT17, 
BSM16, BT18, CBS18, CGMH18, C1K+17, CFST16, CLP16b, CWJ18, 
DC18b, DWGW16, DYL19, FAZ16, FWK17, FHA16, FHA18, hGwsSzS15, 
GFC18, GSL18, GGL+17, GEZK16, GY15, HK19, HTZG17, H1N17a, H1N17b, 
H1N18, H1F18, HLQ16, J1Z18, JTD16, K1CA17, KFW17, LMS17, LAL18, 
Ler15, Ler16, LGB16, LW17d, LW18, LS16, MLM18, MNG15b, MA17, 
MN16a, MKC17, MDM+15, MA16, MMPM17, MM16d, N15J, N1S15b, 
OSK18, PAFT19, PE16b, PMB18, PBC+17, QWX18, RXSG15].

**high-order** [RXS16, RN18a, RSB16, RRIMF+19, Say17a, Say17b, SC18a, 
SWLZ15, STG17, SGT16, ST16, SWZ19, Tao16, TK12, TK15b,
Ter18, TMH16, TMH18, Tkp16, Tso18, VPV+17, VN15, VWV17, WLM15, WSR15, YCPD15, YFJ17, ZP16, ZL15b, ZZZ17, ZY19, ZXL17, dLDG+18.
high-order-accurate [OLDN17]. high-order/low-order [CCK+17]. high-orders [VSM16a, VSM16b]. High-performance [PKA+16, RGPS17]. High-performance-computing [DLN15]. high-plasma-frequency [BZ16a]. high-rank [Jer19]. High-resolution [GMA18]. high-Reynolds-number [NL18a]. high-speed [BMR+16, GEZK16, MSB+16, QSB18]. high-temperature [LL19]. Higher [APP+16, BH18, BC16c, GS16, HSLQ16, JC17, LTXB17, LAK+16, MS18c, SGC18b, Sub18, Tie16, WR16, BGTM18, BPF+16, DPO16, DNBH15, DM17b, FRRV16, HB16, JYY18, LBTCG16, LW17c, Rua18, WSOW16, XY18, ZLL16b, ZLL17a, ZS18]. Higher-order [APP+16, BH18, BC16c, GS16, JC17, LTXB17, LAK+16, MS18c, SGC18b, Sub18, Tie16, WR16, BPF+16, DPO16, DM17b, FRRV16, HB16, LBTCG16, Rua18, WSOW16]. highly [ABG+15, FYC+18, GXX17, IKS19, RKO+17b, ST18c, TT17b, WA18, YS17]. Hilliard [HW15a, ZYCK15, CS16c, CLS+18, DD16a, DJLQ18, GX15, HTMP17, KS16a, KMDb16, LJZ15, LCK16, MGCW18, WX17, ZSX17]. Hilliard-Brinkman [GX15]. Hinsberg [CFO18]. HLL [Bal15, DG16a, FLW16, SW17a, VNA15]. HLL-type [SW17a]. Homogenizing [TY17]. homogenization [AR16b, GO15, MVZ16, NGS16]. homogenized [LMM17]. Homogenizing [TY17]. homology [WW16]. homopolymer [Yan16b]. homotopy [BZ16b]. HOOMD [YZW+18]. HOOMD-blue [YZW+18]. Hopf [EEG+15, LDOK17, LP17a, RPL+18]. horizontal [FDS+15, SHLG15]. Hot [HED+16]. hourglass [KSSL18]. hp [CC17a, CK16a, MBM+18, MSP16, RN18a]. hp-adaptive [CC17a]. HPC [BLA+15]. HRSSA [MPT16]. hull [LM15b]. human [ANL+16, NCP+17]. Hurwicz [DFM17]. Huygens [KLWQ17, LQ16]. HWENO [CQ16, LHQ16]. Hybrid [BD18, BPD19, BHMS18, CSS15, Chol15, CG19, DG16b, DEZ16, Fuji19, HLM17, LZZS15, MJ17, MH17, SSDN15, SW17a, SGA+15, AVT17, ALM+17, Anl18, AdSS+15, BT17a, BBS16, BB+16, BFTVC18, CW+16, Che18, CZL18, COV18, CFB17, CBN+16, CG15, CC17, CYWL17, DD17a, DZ18, DTA+15, DJV+18, DOD17, Dom18, DJL+19, EARA15, FQNZ18, FX18, FLW16, GBC+18, HXL15, HWA15, HLY15, Id16, KID17a, KF15, KB18, KHC+16, LSLA16, LML+16, LTV18, LPBR15, LMN18, LHQ16, ML17, MPT16, MS16b, MR16a, MAM16, MN16b, MF16a, MDAB18, Niu16, PL16a, PBC+17, PWP15, RBJS15, SWLZ15, SCJ+18, SCS16, SCC19, TAJ+17, Tie16, WMY16, WPB15, WR16, XWL+16, XDSX17, XX17, XML17, WXZ+18, Yan16a, YWS+16, YX15.
Hybrid-dimensional [BHMS18, XML17]. Hybrid-Lagrangian [KHC+16]. Hybridizable [UL16, NPRC15, SMP16, SWZW19, VCNOP18]. hybridized [BT15, FNP17, MLM18]. hydraulic [CB19, NMM19]. hydraulics [CBN+16, SSC+16, TSB+18]. hydro [CYS17, MRP+15]. hydro-dynamically [CYS17]. hydro-geophysical [MRP+15]. hydrocode [VGZ18]. Hydrodynamic [GA18, BMC+18b, KV16, LMB18, LCF16, MWB+15a, MWB+15b, MLB18, NPB17, Rem17, WRL18, ZYSW16, ZK18]. hydrodynamically [PBP18, PMGW16]. hydrodynamically-consistent [PMGW16]. Hydrodynamics [AWS16, DRM15, FRO17, KRK+18, MDL16, BKS18, BLK15, BHE+17, BDLM18, BMCK15, Cap18, CGP16, CG15, CM18c, DDJ18, DDJ19, DD15, DSH+16, Guo15, GFW16, KSSL18, Li17, LS16c, LSR16, MPR+18, NT15, PKP+17, PLB18, QSY16, RKO+17b, SKO18, SK19b, TOR+15, TL17, WT15, ZS16, ZHA17b, TP16a]. hydrogels [LJZ15]. hydrology [MRA16]. hydrophobic [Fed17]. hydrostatic [AZ16, DFL17, LX18, YP17]. hyper [MG15b, Tsa16]. hyper- [Tsa16]. hyper-viscosity [MG15b]. Hyperbolic [NL18a, NN16, PMF15, BD15b, BN17, BK16b, BLD15, CTG16, CS17a, CTM+16, DL18a, DL18b, DPRZ16, DB16b, DPRZ17, EFT15, FLV18, FS17b, FFA17b, FGA18, GKN18a, HS18b, IDSG15, JL18c, JXZ15, KKS15, KKS16, KA15, KC18, LMS17, LAL18, LMBZ15, LLLN18, LP17a, MSK18, MA17, MN15, MN16a, MRN16, MDHC15, MB15, NMM16, NBH18, NN15a, NN18, Nis18a, Nis18b, NW15, OZ17, PxRS17, POB16, PTT18, SS18a, SW17a, SL18, SPB18, SPP16b, SMSG18, TLQ15, TM15a, TM15b, TC15c, TPB16, VNA15, WLGD18, WTX17, YJ17, ZPW18, ZQ16b]. hyperbolic-equation [KKS15, KKS16]. hyperbolicity [SS18a]. hyperbolicity-preserving [SS18a]. Hyperbolization [VST16]. hypercontraction [LY15c]. hyperdiffusion [URGT18]. hyperelastic [BM16, CWWZ17]. hyperelasticity [HFM17]. hyperinterpolation [LB15]. hypersingular [Tsa15]. hypersonic [CLG+19, GRS15, XWZ+18]. Hyperviscosity [SF18b]. Hyperviscosity-based [SF18b]. HyShot [CELI15]. hysteresis [MCHL16].

I2D [RHvR+15]. IB [ZZPH18b, ZZPH18a, PZNG15]. IBM [SHP+16]. IBSE [SGT17]. ice [ALKZ16, AS17, ALT17, CLvS17, CS18a, IPSG15, KDL15, MDW18, MR17, RW15b, SRB017, WTL17]. ice-covered [MDW18]. icosahedral [Sub18]. Ideal [DWG+18, BK17c, BND16, CFST16, DWGW17, DLK17, FS18, KW15b, LSZ18, PL16b, WSH+17, WG16b, WDGW17, XL16]. idealized [FCW+18]. Identification [CGM15, KM16b, TBLM15, BCB15, EFHZ17, RTG18, RYZ18, ST15, ZFPB16]. identify [SPM+15]. Identifying [LV18, WTS+17]. IGN [ZED15]. II [DLC15, BD15b, BGT18, BHS17b, BFB17, CEL15, DL18c, EFT15, GPS17b, GY17, LZZS15, MBNJ16, MS18b, PxRS17, SAY17b, Sch16b, SW16, SHP+16, SII17, TKC15, VSM16b, WRL16b, ZLH+17]. II. [Cac15b]. III [BN17, DLN15, GY18, LB15, WRPL17]. IMM [LXC+15]. Illustrative
Imada [Zil15]. image
[ NL15, SG18, WLVW17, WCVF16, YS18b, ZC15]. imagery [EFHZ17].
images [CV15]. imaging [AJP15, CR17, Gib18, HZ17, LWZ16, MCHL16, Par15, PKLS17, SG17a, WSU+15, ZF18]. imaging-based [MCHL16].
Imbalance [KS16d]. Imbalance-correction [KS16d]. IMEX
[ABR16, BLMY17, JLQX15, VN15, XJLQ15, XQ17, SSZ19].
IMEX-spectral [ABR16]. IMEXP [LTR17]. Immersed
[AB16a, BGD+17, MCW16, MHL17, SGT16, ZILZ15, ACS16, AB17, AEvW19, BKP16, BPS17, BHF15, CCHL15, CLM15, CYWL17, De18, FR18, FG16, FG19, FKY15, GWC18, GLMC16, GC17, HWH+16, HS18a, HF18, HLY15, HLSY16, JL17a, JB19, KLSF15, KLC18, LTB16a, LC15, LD16, LBZA16, LC17b, LD15, LWT19, MAP17, MGS18, MM16d, NJPB17, OPHA15, PNZ18, PPLC16, PN18, PG18, PVB17, QSB18, RS16b, SK15, S16F, SHKL16, STKL19, SMA+16, SLO+17, SLdTV18, SHP+16, SCLG15, TZW18, TKF17, WE15, WS16, WCH+17, WS15a, XLY15, X15, XYL18, YS15, YXF+16, YZZ15, ZB15, dTP16, KY17, P16, RMF+18, SGT17].
immersed-body [YXF+16]. immersed-boundary
[BKP16, GC17, LD15, PVB17, YZZ15]. immerssion [SWS17]. immiscible
[AA17T17, CM18d, Don15b, Don17, Don18, FGL16, HTZG17, KKH18, YD18].
Impact
[CSLL15, HCL15, KBF17, TT17a, URG17, LBZA16, RHS18, YC15].
ipacts [Heu17]. impedance
[BG16a, DSSP18, JS16, MS15a, MMP18, SS17a, ZH16, dFGS+17].
perfectly [SBT17]. imperfectly-mixed [SBT17]. impinging [Gan15].
Implementation
[ALTR17, BT17b, DTA+15, HdBH+16, PJE+16, SA15, YZW+18, BVS18, BG16a, CDC17, DY17, HKW19, HK15b, JSP16, KC17a, KBF17, LZ16, MTT19, MM16c, PM16, PKA+16, SRO17, SE15, TRM16, ZH16].
implementations [SBT17]. Implicit
[Du18, LM16, NS18a, PLW16, Say17a, Say17b, SD18, TM15b, ZZX16, AV17, AB17, BR15a, BFNG18, BZ18, CAI16, CZB+18, CB15, CBC+18, CC16a, CS16a, CHE18, CC16c, CG15, CW18, CTM+16, CM16b, CLP16b, CCG17, CCH19, CCH19, CLN15, CVK16, DEL15, DLM18, DJLQ18, ESHA16, Fer17, Gam15, GS15b, GZ17, Gen11, Gho17, GXX17, HPY18, HK18a, HDA+18, JRPS18, JZ16, KC17b, KKLb, LMS17, LLD+16, LH17a, Lap17, LXC+15, LL16b, LT17a, LTR17, MM16a, MNO+17, MH18b, MTT17, MTJ17, MPPS17, NMC15, NWKC16, NNV17, NLW+16, OI17, PKP+17, PPLC16, PP17, PGM17, PME+15, QWXZ17, QD18, RAM17, RMB18, RMB18, SSB17, SL18, SKW19, SZ17, SCC19, SP16, TCSM15, TD17, Tie16, VV16, WC15, WH16a, WMY16, WW18, XXR16, ZBH+18, ZMC16, ZYCK15, ZRT18, FNP17].
implicit-explicit [DLM18, PGM17, SL16]. implicit-expo
[LTR17]. implicit/explicit [CB15, Tie16]. implication [DV17].
implicitly [RB18]. implosion [FC18]. Importance
[CCL16, OCSC18, RC18, LL15, URT18]. imposed [ADE+17]. Imposing
[KLSF15, YS18a]. Improve
[HLL+18, AB15, GO15, LWY18, SIX16, vLtTB17]. Improved
[MN15, NMM19, NSk+16, PA19, TZSS17, ZL15a, AdRBC16, AJVH17, PLL19, BKP16, BSP18, CCRdL17, CZ16, CZ17, EDC16, GH17a, GRS15, HZ17, KMS+18, KC17b, LS16a, LWT19, MO18a, MRK15, MTBT18, STG17, SK18, TND18, WS15, WLGD18]. Improvement
[SY17, BK17a, OMLdL16, PSMPG17, WBC+16]. Improvements
[ACCCDA16, Ani16, HPV16, COdLL18]. Improving
[LSR16, RV16, ZZS+17, ACS16, ALL18, AEvW19, BHST17a, BHST17b, BHST18, BFI+18, BC17b, BPD19, BFTVC18, CCRdL17, CS16c, CX16, CCKQ15, CS17b, CCM17, CLP16b, Don15a, DS15c, Don15b, Don17, Don18, Fan16, FK17, FK18, FL15, Fer17, FG19, GTG15, HPY18, HG18, HP17, HTMP17, Kla15, KW16, KFWK17, LVTR15, LE16, LRA17, LM18, LHB+16, Li17, LSI16, LC16, LCI7b, LH18, LZW+17, LHA16, MHMX16, MS18b, MLM18, MC15, MH19, MPFL16, MS18c, MHS16, MR16b, MN18c, NT15, NN19, OVP15, PG17, PKP+17, PL16a, PPLC16, PF16, PND16, PBBK15, PMB18, PQR17, QYF15, RBJS15, RD15, SL17, SMS16, SY18a, SLY16, SS0+15, SGT17, SST+15, Suz18, TLH15, TD16a, TOR+15, Tou18, VL15, VK15, Vre17, WDG+17, WSS15, WSHT15, WZ18a, WSF17, XWL+16, XX16, YSS16, YD18, YZZ15, ZN18, dFJN16]. Incompressible-compressible [LSR16]. incorporated [LHW+17]. increased [DBZ17]. Increasing [Die15]. increasingly [KMGR16, ZS18]. Incremental [SKS17, CBN+16]. independent
[Bre18, CLM16, HDF18, WDG+17, WT16, YS18a]. index [LTKA15]. indicator [FS17b, HC18b, KC18, RH18]. indicators [NdLPCC19]. indistinguishable [SD15]. induced
[MCN18, OKE17, YSY17]. inertia [MDP+15]. Inertial [Ram17]. inextensibility [Vog17]. inextensible [RV16]. inference
[CZB15, HKKP16, HYL17, IPSG15, LZ18, LYLK17, MPP15, NS16, SPP+16a]. Inferring [RPK17a]. infiltration [MRP+15]. infinite
[And16, BGL+17, CZB15, GBD17, HYL17, MJ17, SHL15, ZBZ+18]. infinite-dimensional [BGL+17]. Inflow [KKHN16, CSLL15, ST18a]. Inflow/outflow [KKHN16]. Influence [SC18a, SW19, MDMS18]. Information
[GKR17, Fan19, KRBW17, LKK17a, LKK17b, LSWF16, RM15].
informed [CLM16, CMW16, RPK19, XWW⁺16]. inhomogeneity [CLM16, LPWK15]. inhomogeneous [APKP16, CLQ17, DG16c, LM15d, OLV16, PA19, RMA17, SC18b, Yan16a, YJ17]. initial [DZC16, MM15]. initial-value [DZC16]. initialization [Wac15]. injection [KS18a, dCPDC⁺17]. inputs [LL17, JXZ15, JL17c, LL16c, Liu19]. Insights [MSP16, KS16b]. Insilico [HED⁺16]. insoluble [SA16, dJRP⁺15]. instabilities [MCS16, XLL⁺17]. instability [CCZ15, DNOP15, MHZ⁺15, RLV16, SM19]. instationary [AMM⁺15]. Integral [Vee16, AAE17, AA19, ABN15, BC18a, BRK⁺18, BNM15, BKO18, CCZC16, CG18a, CLX15, CGRV17, CRZ17, CV18, CCGH17, DvB17, Dod17, Gen15, GD19, HHCG15, HSSZ16, JL16, KHP17, LGO17, LDL⁺16, LSP⁺18, LY15c, MKYZ17, MS17, Moh15, OC18, OT15, PA19, PLL15b, QM18, RVZB15, RMA17, SL16a, SO17, Smi18, ST18c, SV17, TP17, Tsa15, Tsa16, WZ18a, ZX15, ZGD⁺16, ZRT18, Zil15, aKT16]. integrals [BPF⁺16, LO16, Tsa15, Tsa16]. integrated [SSC⁺16, ZHWQ18]. integration [BCM15a, BBBG15, CCGH19, EBQ15, EMSS17, FCL17, GZY16, GP16a, HEPG15, JZ16, JFS17, LMS17, LLVF⁺15, LPR19, MM16b, MS18c, MTK⁺16, NDCB17, PKK18, SXBB15, SGL18, SAOW17, TWIN15, TW17, TC15c, WCN15, Web14, WBC⁺16, WHE17, WEK18, Yi18, ZJS15]. integrations [RMK15, SKW19]. integrator [BZ16a, LLWJ18, SS18c, WSR15]. integrators [CSS17, ETL17, PPASS16, GAN⁺16, GRT18, KTG16, LW15b, LW17, LIW18, LTR17, RFPSSA18, Tao16, WW18, WZ18b]. integrodifferential [BCC⁺18]. Intel [SGL18]. intense [Vai15]. interacting [CGS18, GBS15, JBM19, MF18, MM18, SGMS16]. Interaction [CLM15, TFGK18, AMB17, BQCG17, BCM15b, Buk16, CGSS18, CZBC⁺18, CM16a, CDM18, CH17, CM16b, CYWL17, DG18, DFQG16, EKSS15, FW18, FLV15, GKM17, GLS15, Har18, HDF18, HLL⁺18, HTBG15, KH15, KL18, KC17c, LT16a, LC15, LLY18, LHY⁺19, LGD17, MPR⁺18, MTK17, MAA18, MOR18, PHHA18, PHO⁺16, PR16a, Rua18, Say17a, Say17b, SSL⁺16a, SSVL18, SA16, SGC⁺17, SMP16, SOM⁺17, SCS18, Vai15, WCH⁺17, Wic16, YXF⁺16, dTP16]. interactions [ATZ16, BHKS16, BJZT15, BTA17, BPM18, Cos16, DG16a, FRW16, HWH⁺16, LML⁺16, LXL17, LSP⁺18, MKV⁺17, PSV18, SG19, SGC⁺18a, SMA⁺16, WMY18, XTYL18, YS15]. interactive [CLFL17]. interatomic [TST⁺15]. intercellular [CFG16]. interchange [Sov16]. Interface [ABG⁺15, CNG99, DS18a, GZ17, GWYS18, GLTG15, GPG17, VK15, AAL15, AMN15, APKP16, ACS16, BKS18, BJ15, CCHL15, CG17, CTJ⁺17, CWW17, CR18, DS15b, De18, DXvW18, DF16, F17, FMRF17, GHR17, GLTB18, GWC18, GD19, GY17, GY18, HHA15, HWH⁺16, HTZG17, HG17, HLY15, HLY16, HW15c, IM15, JBM19, JLC15, KTK15, uKHGY19, KS16c, KS18b, KSVB18, LSD⁺17, LSR16, LD15, LHA15b, MNG15a, MCW16, MN17, MTZ16, MA19, MWW16, NF15, OD15, PHHA18, PA19, PN18, PR17b, QWX18, RW15b, RV16, Say17a, Say17b, SA16, SHA16, SLC⁺18,
SCJ$^{+18}$, SGD18, SA15, SR18, VPM15, WSS$^{+15}$, WL17, XLY15, XX17, XP15, ZL15b, ZD15b, ZDGW16, ZY19, TKB$^{+15}$. Interface- [DS15a, DS15b]. interface-aware [BKS18]. interface-capturing [WL17]. interface-compatible [KSVB18]. interface-correction [GLTB18]. interface-enriched [SA15]. interface-fitted [CWW17]. interface-interaction [PHHA18, SA16]. Interface-preserving [GWYS18, ZY19]. interface-resolved [SLC$^{+18}$]. interface-sharpening [HTZG17]. Interfaces [ADGN17, AB18, BG19b, BAR15, CZL$^{+15}$, CSM17, CLM15, DIX$^{+18}$, EN18, ELH$^{+16}$, HKLZ18, HGR16, KKL17, LSMS17, MAK15, MF17, NN17, OS16, OSC18, PCN15a, PR16b, PS14, PS15a, PC19, QDRB15, SMOM$^{+17}$, WXW15, WB17, ZILZ15, dFV15]. Interfacial [DXW18, GOR17, GZLH19, HWK19, KRK$^{+18}$, LHA16b, Say17a, Say17b, SZCL18]. Interior [MRRRF18, Fer17, OKE17, PKA$^{+16}$, DM18, SL17]. Interiors [BLC$^{+17}$]. Interlayers [SSL17]. Intermediate [PDS15]. intermetallic [ZWYW18]. intermolecular [SWLW19]. internal [BD15b, BN17, Guo15, MCS16, SVG18, vOMB17]. Interphase [HG17]. interpolating [WLK$^{+16}$]. Interpolation [SNK18, dPSS16, APP$^{+16}$, ABdC$^{+18}$, BDG$^{+17}$, BDA$^{+18}$, BST15, CGM18, DJD$^{+17}$, ECC18, FYO$^{+15}$, HSC16, JYY18, JWH16, KAR17, KMG16, LB15, MCW16, MAP17, MBD15, NMA15, PJC16, PAFT19, PF15, RDG17, WR15, WKO17, XYPT16, ZWB$^{+18}$, FFB16]. interpolation-free [RDG17]. interpolative [BBB15, LT17b]. Intersecting [BPS17]. intersection [CZJ17]. interstitialcy [BBW16]. introducing [TTN$^{+16}$]. intrusive [Blo17, CMP19, HFND18, HU18, XYF$^{+17}$, vdBK17, NW17]. Intuitive [ZW15]. invadopodia [GP17]. Invariance [BKP16, GHL15, LJT16]. Invariant [JL18c, YZW17]. Invariant-region-preserving [JL18c]. Invariants [Hue15, LDHJ15]. Inverse [DDJ18, LBTCG16, LLL16, LFT$^{+16}$, AJP15, BJO18, BCSK17, BSK15, BtTB18, BGL$^{+17}$, BKL17, CT15, CGM15, CMW16, EZG16, FK17, GZ16, GRM15, GWE$^{+15}$, GHH$^{+16}$, KE15, LPU18, LW15a, LLY16a, LMTC15, NKN$^{+17}$, OLD$^{+18}$, Par15, RPK19, RYZ18, TCD17, WL18, WLK$^{+16}$, ZF18]. inverse-power-law [CT15]. inverses [For16]. inversion [BFP18, CS16b, LL15, LL16, MKYZ17, MRZ$^{+15}$, PKN17, PD16a, dFGS$^{+17}$]. inverting [XL17b]. investigate [MZ15, WPB15]. Investigation [BR15a, CV16a, PKB15, VS17]. investigations [ZZ17b]. inviscid [BR15b, BR16, LLWJ18, Loz17, PL18, RDG17, YSW15]. invisible [Chu17]. involving [Don15b, FSWW17, FS15, LGD17, RPK19, TBHG18]. inward [LTWF19]. Ion [dCPDC$^{+17}$, CCZ15, KB18, MP16, TTN$^{+16}$]. ion-acoustic [CCZ15]. ion-electron [MP16]. ion/liquid [SCC19]. ionic [YX15]. ionization [CV16b, LYCC17, YCBC15]. ionization/recombination [YCBC15]. ionized [PMS15, Zoh17]. ionizer [Fon16]. ions [SPCH16]. IP [XJG18, XWZ$^{+18}$]. IPDG [CLQ17]. irradiated [HMBH15, TT17a]. irregular [ABG18c, CXL16, ECC18, GZLH19, GLTG15, LC18, LPGT16,
isotropic [An17, CLS+18, GKH, SS17c]. Isogeometric
[BLC+15, KSG17, KHHN16]. Isomorphism
[HKH+16, KGP15, KZ17, KG16, Kat16, TM17]. issues [NT15]. Itô [AAPB17, HHCG15, Moh15]. Itô-SDE [AAPB17]. item [sCYx18]. Iterated [ALL18]. iteration [BW18b, HB15b, KFL17, PBBK15, ZHL18]. iterations [TWM18, WZ17]. Iterative
[AA15, GLZ16, HKLW15, SHW17, AP16, AC16, BDK+17, BDKK17, BSWG15, CCHL15, CDL17, CDC17, DGW18, DDV18, EAAM15, GWCL1, KA15, Lau17, MM16a, MR+15, MVZ16, MBBKTH17, MBTB18, NS19, NNW17, Pea15, PE16b, PSP16, RMP18, SXBB15, SZ15a, SGD18, SWK18, TFK17, WLW17, WZL+17, XMR18, YS15, YBL16, YJB18, YL17, ZF18, ZJL16]. iteratively [HHLY17]. itself [MSG18b]. IV [LXSC16].

[LHQ16, ZHS18]. Keller [ZM16a]. Kernel
[DJD+17, FRO17, MOAA15, SPB17, BKP16, RFSG15, VD16, YS18a]. Kernel-based [SPB17]. Kernel-conformation [MOAA15]. Kernels
[EJZ17, CDC17, JAH19]. Kershaw [Sch16a, Sch16b]. key [GH17b]. kinematics [OSP17, PE15]. Kinetic
[ESGS17, KTK18, ASB+15, AS15, BCC+18, BBBG15, CX15, CXL16, CGCH17, DDJ17, DNL15, DAO17, FX18, FG17, FLV18, GHM15, GMS16, Har18, Hiv18, Ido16, JLI18a, JLQX15, JPSX15, JZSX18, JS17, JH+18, KM16a, LLFX18, LSX16, LP17a, LP17b, MAM16, PX15, PXLL16, PX16, PLWJ16, RXSG15, RXS16, RKH15, SWZW19, SJX15, SXL15, SST+15, SJX17, TZZG18, TKP16, WY16, WYLX17, WCL15, XCL17, YSW15,
YSWS16, Yas17, YZZ15, ZAK15, ZLFW18, XZL17, ZLG18, ZZX16, vdKK16.
kinetic-fluid [JS17, MAM16, ZAK15]. kinetically [FGLB16]. kinetics
[DEZ16, LYB18, MKY+16]. KIOPS [GRT18]. Klein
[AMP16, BZ16a, LW17d, LIW18]. KMC [GKR17]. Knights [SGL18].
Knudsen [KJ17b, LLFX18, SWL19]. Koh
[BEJ16, BHL15, CDM+16, CHL18, ZLH+17]. Kolmogorov [FLT17].
Korteweg [CDN17, LY16b, TXKvdV15, TXKvdV16]. kriging
[LSV+15, MSG+17, MI16b]. Kronecker [CLZ18].
Krylov [AAB+16, AdS+15, AB17, BSK15, GMP15, GRT18, GWC17, JZ16, PSP16, TWM18].
Kuramoto [CCP19].
Kuroshio [YR15].
Kutta [BR16, O’S15b, BR15b, BZ18, CCRdL17, CB15, CCGH19, HK18a, HS18b, HJ17, MKV16, MW17a, MH18b, NMC15, PP17, SLL17, WJD16, WBM15a, ZT17].
L [EH15, XS15]. laden [AMB17, BKG15, LWTF19, SR15, ST18c].
Lagrange [BL19, Bra16b, BMCK15, CGK17, CGS15, DDJ18, FG16, ID17].
Lagrange-Projection [CGK17]. Lagrange-remap [DDJ18]. Lagrangian
[AGBL15, AB16a, BMK+16, BKS18, BDM15, BS15b, BLD15, BDZ15, BD17, BDL18, BKK17, CQG16, CQG18, Cap18, CM18c, Cot18, DL15, DB16a, DLR15, DAO17, Ein19, FL18, FGB15, FJJ16, FLW16, GB16, Ger17, HAH16, ISST18, KHC+16, KSS18, KYP15, LS16c, LSTk15, LMB18, LCF16, LWTF19, MC18, MB15a, MB15b, MLB18, NJ15, OML16, OD17, PP18a, PLB18, PBB15, PK18, PZH16, PVB17, Ram17, RB17, SBC18, SPB17, SW18a, SF16, SLdTV18, TL17, VW16, VSM16a, VSM16b, WSN+15, WRL18]. Lagrangian-based [SRB17]. Lagrangian-type
[BD15]. Laguerre [Ter18]. laminate [ZHW18]. Lanczos [ZWUR16].
Landau [BHZ16, EMSS17, FJLC18, GS15b, HYK+16, KL17b, LZ15a, SKP+15, SSL+16b, Tav15, WH16a, ZYW16, ZG17]. Landau-de [BHZ16].
Landing [SGL18]. landslides [dAC17]. Langevin
[ALA16, MGT18, TR17, VS17]. Laplace
[ABN15, BSK15, HP16, LYP17, PAF19, SLR16]. Laplacian
[BGM16, CP16, DwW18, FSW17, RM16]. Laplacians [BD18, SYM15]. Large
[CL+16, DKPC15, DL18a, FNP17, AG18, BQCG17, BR15a, BPM18, BBG15, BJ16, Cac15a, Cac15b, CGS18, CZL+15, CG17, CM18b, CC16c, CS17b, CHE+17, CMW16, DLL17, EGI18a, ELH+16, FB17, Fer17, FG17, FRW16, GHI15, GDF17, GFL17, GLS15, HX15, HLTC18, IPS15, JdR+18, JBM19, KP15a, KDP15, LHS+18, LLM17, LXL17, LW18, Liu16, MD16, NYNM15, OLV16, PLL15b, PSP16, RFSV15, RS16b, RWG18, RDG17, SKP+15, SMD18a, SSA17, LdTV18, TRL15, TRS15, VV16, VKE+18, WSY15, WSS+15, WSH15, WMT16, WC18, X18, C16, CWS18, LLM17, PD17, TABR17]. large-angle [TS15]. Large-Eddy
[FNP17, CL+16, BR15a, MD16, RWG18, SMD18a, CL16, CWS18, LLM17].
Large-scale
[DKPC15, AG18, Cac15a, Cac15b, CGS18, CGC17, CMW16, IPS15, KDP15, LHS+18, LLM17, LXL17, LW18, SKP+15, SSA17, VKE+18, XB18].

Lattice [AS16, CSB15, GBU15, GW16, GSS15b, HK15a, MKV+17, PF16, ZYW16, ZQCT15, ARF18, APT17, AJVH17, BTBV15, BAR15, CLM15, CYWL17, DCBK15, FGL16, FB17, FBL17, FST15, GPS17a, GPS17b, GR15, GBCF15, GBCF16, HLU15, HY15, HW15c, HHY16, HW16c, HW16b, HW18, JSY15, KGT15, KP15a, KS15b, KS16d, LFDP16, LL16b, Li17, LC16, LC17b, LWB+16, MWD16, MG17, MK15, MHGM+15, NLS16, Ols15, PMGW16, PGGW18, RKL18, RS15a, RTO15, STW16, Shi17, STG17, WSY15, WSHT15, WSY16, Xie15, XTYL18, YFKS15, YYY+16, ZY17, ZWG17, LDWZ15, VMM19, WGME17, YC16].
lattice-Boltzmann [GBCF16, ARF18, GBCF15, KGT15, LL16b, WGME17].

Laurent [For16, GRMK15]. lava [ZBH+18].
laws [AP16, CT15, JL18c, LYZ15, LY15b].

Lax [DDJ18, DL18c, FLW16, Heu17, LDOK17, LFT+16, RPL+18].
layers [AJVH17, BZ19, BG16a, CKK18a, CS18b, CMH15, MK15, MM16c, MW17b, MLMM17, NLK+15, OB+17, PLHA18, PC19, QWX18, STV18, SCJ+18, SSA17, TAR17, Vai18, Wac15, XSL18, YCS+17, ZC18, ZY19, ZED15, ZQCT15, ZHW18, BAVC17,
IBML16, LVTR15. Level-by-level [HIN+16]. Level-set
[OLD+18, dLGT+17, AASRT17, GFO18, HKJ17, MGBG16, OLB+17,
PLHA18, SSA17, Wac15, XSL18, YCS+17, ZY19]. levels [RKN19]. levelset
[vdLJLV16]. Lewy [GSK18]. lid [EN17]. lid-driven [EN17]. lidar [SNB+15].
Lie [YXX+16], Lifshitz [EMSS17]. Lifshitz [KL17b]. lifting [STR15].
Light [TK16, TM17, CSL15, SSL+16a, SSVL18, SKF15]. like
[BZ19, BKP16, CGK17, Don15a, Fal17, GSRMR18, KD17a, KNS15, LB15,
LZZS15, MBW+15a, NN15b, NLL+15, Par15, PT17b, SPP16b, SLN15, TK12,
TK15b, WWR17]. likelihood [CLM16, CMW16, NS16].
likelihood-informed [CLM16, CMW16]. limited [LMTC15, ´APB17].
limited [AP16, BFP18, BL18, KKK15, Par15].
limited-view [AP15, Par15]. limiter
[DL16, KH17, Kri17, Tso18, ZJLC15, KH17]. limiters
[CK16b, GK18]. limiting [BD17, DKK+18, LY16c, NK16, Nor15, PK16, YK18, dFVJ15].
limits [MW15]. line [ABG+18b, FB17, FPV18, HB16, HW16, LPGT16,
LB16, LHA16a, SY15, SCS16, TW17, TP16a, YY17]. Linear
[AD15, MS15b, MSP15, Yan16b, ALKZ16, AS15, Alm19, ATF16, ALM15,
ADOP18, BP18, BVT18, Cac15a, Cac15b, CHT17, CW17, CCGH17,
DJLQ18, DJD+17, FKDL17, GN16, GDA16, HYK+16, HNI17a, HSF17,
KZR15, LS15a, LL16a, LLS15, LC17a, LWY18, LNS17, LYA16, LLLN18,
PK17, Pis18, PSP16, RPK17b, RZ17, RSH+17, Sch16a, Sch16b, SMSR18,
SCC19, TD18, TWM18, URT18, VDPP15, WY16, WSH+17, YHK17,
ZK15, ZD15a, ZCL17, ZR17, dSDPH15, vOMB17]. linear-scaling [LL16a].
linearised [ST18a]. linearization [GMD19, Vos17]. linearized
[CT15, GS15b, JL16, LGH+18, MMP18, NN19, SP15a, WZL+17]. Linearly
[YH17, BN15]. lined [RMLvR18]. Lines
[CGJ16, HKS+16, LD15, MG15b, PR16b, SWMD17a, SWMD17b, SSA17].
link [Ols15]. linking [Pan15]. Liouville [KADE15, VSM17]. lipid
[RAMB15, SDMS17]. Liquid
[BG16b, BMT18, BLG+16, BLC+17, CTJ+17, CGS15, CLM15, DD15,
FM1Z17, HW15c, HW16c, KWLQ17, LVB+15, LSYF15, MTZ16, NWZ18,
ØPHA15, OCSC18, SIS17, TK12, TK15b, VALT16, ZYSW16].
[BG16b, DD15, FM1Z17]. List [Mac16, DFS16]. lithofacies [dFGS+17].
lithography [OLD+18]. Liu [GMD19]. Lloyd [YJG18].
Lloyd-preconditioned [YJG18]. load [GFA+16, JBO15, KJ18].
load-balancing [GFA+16]. loading [LSS16]. loads [LC17a]. Lobatto
[Kas15, MRRRF18, Teu15]. Local [DLL+17, HSC16, KLRT15, MS18, TL15,
ADK+17, BBF+17, BK19b, BDZ15, CBZ18, CPV16, CEL+18b, DKTH15,
DY19, FB15, GSK18, GX15, GY15, KL15, LW15b, DV17, MNG15a, MK17,
MGCW18, NS19, OSP17, RP18, RGPS17, SSL+16a, ST18b, TXKvdV15,
TXKvdV16, VAD17, WZ18b, YS18a, YTW15, ZHL+17, ZZW+16, dHC16].


magnetohydrodynamics
[Anna18, BK16a, BND16, DWG+18, DLK17, ETL17, HL16a, Iwa15, KW15b, KTG16, Moc17, SOS+15, Sov16, SE15, SS17c, TPB16, ZN18, ZT17].
magnetoquasistatic [NGS16].
magnetospheric [LML+16].
magnets [FBC+16].
Maintaining [BJ15, NF17].
MAN [ZR17].
management [MC16].
Manifold [XTS+16, BTD16, BM16, GS18, GA18, KP15b, LBTCG16, SG16, ZWB+18].
manifold-based [BM16].
manifolds [KR17, LTR16, LYPP17, MMNI16, SG17].
manipulated [BLL16].
manner [GK19].
Manning [MDBCF17].
manufactured [VBG16].
many [BH18, LSP+18, LLVF+15, RMBN18, SD15, TRM16, VYP15].
many-body [LSP+18, SD15, TRM16].
many-dimensional [BH18].
many-electron [LLVF+15].
many-material [RMBN18].
many-body [KR17].
many-dimensional [MC16].
many-electron [LLVF+15].
many-material [RMBN18].
many-body [KR17].
mapped [MDHC15].
mapping [BCST17, CLFL17, iI15, MC17, SPRW15].
mappings [Pas16].
Marangoni [Str17].
marching [FLV15, NLL+15, PLHA18, TH16, YS17].
markers [AB16a, FL18, ISST18].
Markov [MWD16, XZZ15].
Mass [KG15, LHL15, SNB+15, WWR16, BHKS16, CMDL18, FGL16, FGLW18, FB15, GLTB18, HSK+15, HLL+16, HG17, HDA+18, LY15a, LSYF15, MTK15, MRX17, OD17, PG17, SM16, Sir19, TCSM15, TCS16a, Teu15, WSS+15, WB17, XL17b, Zad11].
mass-conservative [WSS+15, Zad11].
mass-conserving [FGL16].
mass-corrections [WWR16].
mass-lumped [SM16].
mass-preserving [GLTB18].
mass-redistributed [HLL+16].
Massively [TPTT18, vdKK16, DD16b, HM19, NN15b, PJE+16, YS17].
massively-parallel [HM19].
master [GMS16, IZ18, MFB18].
Matched [DZ18, DCCC16, BJK17, CMH15, DKK15, GTL18, PD16b, SJH+15, GZ17].
mapping [KS19, LLJJ18, YZT+18].
Material [DZ16, RHS18, APKP16, ABH+19, BTGM17, BGMT18, Buk16, BHJ15, DZ18, GO15, HTZG17, KKLS17, MZAF17, PHHA18, PA19, PR16b, RMBN18, SC18a, VSM16a, VSM16b, YG18, ZSS+17, ZD17].
materials [AIP17, BM16, CSY15, GHP15, HMBH15, KZ17, LK17, MGKG17, PS15b, SNSG16, SU15, TAJ+17, VK15, YS17].
Mathematical [NLFM16, QS16, Lap16].
matrices [AAD16, GRMK15, SYM15].
matrix [AEL+17, BDTEE15, BHMS18, CDC17, CLP16a, DLY17, DH18b, EE16, For16, GFVV18, LL16a, LWLC17, LM15d, NMA15, Noe15, SWZ17, Teu15, VYP15, WDGW17, WLK+16, XLY15, XL17b, ZL17a].
matrix-exponential [SWZ17].
matrix-free [XLY15].
matrix-valued [LM15d].
matter [WTSS+17].
maximizing [ES18, ZC18].
Maximum [BC16b, DY19, SWPS17, ADK+17, CHY16, CLTX15, GP16b, LSS16, MN16c, WYZZ18].
Maximum-principle-preserving [DY19, CLTX15].
Maximum-principle-satisfying [SWPS17, CHY16].
Maxwell
[QHZ+15, ABH18, ABH+19, BK19a, BV15, BCB15, BCJL17, CW16, CCZC16, CHZ16, CQL+17, Chu17, CEF15, DDD17, Del15, DGL+15, ETAG15, Fall6, GSN16, HKLZ18, HJZC17, HYY15, Ism15, LY19, MM16b, NBT19, PT17a, SP18, SZ16b, SL16b, SC18b, SL16c, WR16, YJ17]. MBAR [XR17]. MBAR-enhanced [XR17]. MBO [JME18]. MC-IP [XWZ+18]. MCMC [AAPB17, BGL+17, CLM16, HYL17]. MD [WPB15]. MD-DSMC [WPB15]. MDF [Ger17]. Meaningful [Cos16]. means [ZBZ+18]. measurements [EST17, SNB+15]. measures [Opp17]. mechanical [GDFL17, KBG+15, KGP+17, LMC16, PD16b, YG18]. mechanically [ZSX17]. mechanics [BT17b, CGC17, DPRZ16, DPRZ17, FRL15, FFJT16, Jac17a, KGP+17, MSH+15, NRZS17, Sel15, VCEK19, YT17]. mechanics-based [KGP+17]. mechanisms [WTS+17]. mechano [FRW16]. mechano-chemical [FRW16]. media [ABI17, AEVW18, An17, APKP16, BTGM17, BGTM18, BDMC15, BPS17, BC18c, BCJL17, BSWG15, BHMS18, BKKRB16, CHCC18, CXY19, CLQ17, CEL+18b, CS17b, CM18d, CLNH15, CvKH16, CFvKH18, DSS18, FQZNZ18, FPT17, FYC+18, GFG+15, GH17a, Gib18, GAS+18, HSK+15, HN17b, JT18, KJ17a, KYKS19, KLRT15, LW18, LP16a, LH15, LT15, LYT17, LNM15, MCN18, MP15a, MZV16, MTD15, ML16, OLV16, PA19, PF16, SLL17, SPX+18, SWML17, SMT+16, SC18b, SiI16, TWH15, TAH16, VSDW18, VS17, Vos17, WC18, XML17, YJ17, YGEM17, YSY17, YB17, Zad11, ZZ17b, ZWUR16, dMRHJ17]. Medium [MSG18a, MSG18b, BNM15, BKL17, CGMH18, DvB17, GCVCHH18, HM17, Iwa15, LTKA15, LH17b, LRGO18, MS16, NH17, QM18, ZF18]. MEEVC [PG17, dDPG19]. melt [RTO15]. melts [SB18]. membrane [CJYZ15, GGT18, MTK15, TFGK18, XR17, YMI17]. membranes [LAA16, MTK17, RG15, RAMB15, SMA+16, SMOM+17]. Memory [SZ17, AMK17, DOO17, FYO+15, MBSS15, MZV16, TP17, WLC15]. memory-efficient [DOO17]. Memory-optimized [SZ17]. Mercer [AABD15]. merging [KK17b]. Mesh [BV15, GPAO+18, LS15c, PSB+18, PWCl18a, SL18, SW18a, Sl16, WBB16, APP+16, AB16a, AMS17, ALO18, BHZ16, BOA17, BAD19, BHS+18, BSM16, BD16, CGL18, CTJ+17, CWW17, CHJT17, DRP+16, DvW15b, DHH+18, DMS17, FHY+19, Fd17, FBG15, FPE16, FNNB19, GBR15, GBvZB16, GSN17, HS17b, HS18a, HIN+16, HLL+16, HDA+18, HM19, HK15b, HW16c, IZ18, JW15c, KF15, KAR17, KLRT15, KJ18, KS17, LSLA16, LS16b, LNM15, Loz17, MLM18, MCW16, MW17b, MLB18, MSB+16, NH17, NSB15, OKWE17, OD15, QYJ19, RBJ15, RPNP18, SRB017, Say17a, Say17b, SKSX17, SW15, SldTV18, SF16, Sub15, SJJX17, SZS15, TVB+16, WQZ15, WDS15, WKO17, Wi18, WCT18, WHZ18, XL17a, YHQ15, YGJ18, ZL15b, ZZ17b, ZJ18, ZHLZ18, ZL15c, dLAC17, Mas18]. mesh-decoupled [OD15]. Mesh-free [SW18a, Sla16]. mesh-induced [HDA+18]. mesh-to-mesh [WKO17]. meshes [APP+16, AAE17, ATF16, AM17b, ADOP18, BCST17, BD15a, BD15b, Bal15, Bar18, BKO18, BT16, BDZ15, BD17, DLM18, BD18,
BRW15, BMC18a, CFSN18, CGK17, CWM16, CW19, CHY16, CSN17, CLTX15, CXY19, CCM17, DSH16, DC18a, DwW15b, DY19, DL16, DMTB15, EdW17, FLHA17, GK18, Her16, HR17, Ism15, IM15, JBO15, KKL17, KDEP15, LLD16, LSA16, LGM15, LLP16, LLC18, LJJ18, LJS18, LTV18, LMN18, MSD17, MvR18, MHS16, MWB15b, MW17b, M17, PX16, PM16, PR17a, PL16b, DDM18, QDH15, RBI15, Rg15, RG16, SAEF17, SL17, SWMD17a, SWMD17b, SWL15, SYM17, SSD18, STQ15, TD16a, TD17, TD18, TC15b, TR16, TLB18, Tso18, VST16, WWR16, WHY17, WHY18, WWGK17, WGW18, XJ15, YK18, ZZZ17, ZLFW18, ZFW18, ZQ17, ZDDL17. meshfree
[AS17, SMLB16, FPT17]. meshing
[MMSS15]. Meshless
[BK19b, IKI15, BDB18, CLR15, DA17, TSH17, TMH16, TMH18, XYPT16, YHKPF17, YTW15, ZMCC18]. mesoscale
[CFPB17, DOO17, SGC17]. mesoscopic
[FHE15, LYLK17, ZLC18]. meta [KS16b]. meta-models
[KS16b]. metafilms
[DKTH15]. metal
[CLFL17, YZW18, ZWYW18]. metal-friendly
[YZW18]. metal-intermetallic
[ZWYW18]. metallic
[SSL16, VCNOP18]. metals
[SSVL18]. metamaterials
[Fuj19]. Metamodel
[RC18]. metamodeling
[SDJU15]. meteorological
[LPR19]. Method
[ACGR15, BQCG17, CE17, Chu17, GFG15, LFR17, MC15, PMF18, RKO17b, SMAG17, WZ18a, ABI17, AM17a, ARG17, AMN18, AASRT17, ABG15, AR16a, APR15, ACCCD16, ACCCD17, ALKZ16, ASB15, AB16a, AMS17, ABI8, AS13, ASS17, Alm19, AP16, AGRB18, ADK17, ACS16, ACJ17, Ani19, AT18, AB15, AB16d18, AAPB17, AB17, ALTR17, ANL16, AJVH17, AG18, AEv19, BC17, BJRF18, BC18a, BK17a, BM15, BFT16, BZ16a, BXY17, BDG17, BJWZ17, BRK18, BV15, BLA15, BFB17, Bat17, BST18, BtB18, BBl16, BNI18, BC16a, BZ15, BC16b, BMT18, BKSK18, BS15b, BV18, BAR15, BGG16, BFT17, BTA17, BTK21, BHTT17, BPD19, BLC17, BLM18, BTFVC18, CQ16, Cel16, CZW17, CGI18, CDM16, CCHL15, CL18, Cap18, CFO18, CHT17, CDM18, CGMH18, CT17, CW17, CJD17]. method
[CDLL19, CHX15, CCZC16, CXL16, CXX16, CZ16, CX16, CH17, CZ17, CL17, CWWZ17, Che18, CYL16, CYYL18, CZL18, COV18, CSG17, CDN17, CLR15, CMDL18, Cho15, CLL17, CFST16, CBN16, CLQ17, CEL18, CEL18a, CVG18, CFF18, CPS17, CSK16, CCL16, CSH15, CLM15, CV16b, CM18d, CM16b, CLP16b, CML17, CYWL17, CLNH15, CvKH16, CvKH18, DM17a, DA17, DMM15, D18, DM16, DCA16, DJV18, DLM18, DC16a, DKPC15, Del15, DTV18, DGT17, D16b, D16, DZ18, DS16, Did17, DLR15, DLR18, DF16, DH18a, DMS17, Dod17, DAO17, DVP16, DW15, DLL17, DY19, DL16, DwW18, EDC16, ESHA16, EL17, EKSS15, EKEB16, ELH16, FR18, FGL16, FBL17, Fal16, FS16, Fan19, FHS17, FMRZ17, FG16, FS18, FCL17, FB15, FNP17, FGLB16, FB16, FB15, FNNB19, FLV18, FG19, FLHa17]. method
[FHA17, FSM16, FP18, GS16, GB15b, GP17, GHM15, Gam15, GZY16, GH17a, GFC18, GP16a, GLTB18, GPS17a, GPS17b, GSL18, GHP15,
GWC17, GG15, GBC+18, GBD17, GNK18a, GNK18b, GN16, GD19,
GWWC17, GCCVCHH18, GEZK16, GHJ15, GZ18, GWYS18, GTG15, GY15,
GFW16, GHH16, GY18, GP16c, GL17, HPY18, HK19, HL16a, HHA15,
HWH+16, HXLL15, HS17a, HHR15, HB16, HZL+15, HLL+16, HG17,
HG18, HJ17, HW16a, HP17, HM16a, HR17, HPHC15, HMBH15, HL16b,
HGN17a, HGN17b, HJZC17, HN17a, HN17b, HN18, HMFJ18, HM19, HSC16,
HCVH18, HF18, HHLY17, HZ17, HL15, HLY15, HJ16, HLSY16, HXX18,
HC17, HY15, HSHZ16, HYH16, HW16c, HLL+18, HMRG16,
Hwa16, HL15, IML15, IM17a, ION+17, JAH19, JL17a, JBM19,
JKE+17, JSS15, JPL15, JW16, JLC15, JST17, JTI8]. method
[JJ18b, JLLZ15, JL17c, JLLF17, JGS16, JTD16, JJ17, KKH18, KTN15,
KK16, KNS15, KC17b, KLS15, KJ17a, KH15, KP15a, KKJB16, KJYC17,
KL17b, KPJ18, KLC18, uKHK19, KDL15, KR17, KO17, KLNH17,
KCS+17, KP15c, KK17b, KLGO18, KS16d, KLVQ17, KM15, LT16a, LS15a,
LMS17, LLD+16, LY15a, LM15b, LFRH17, LMG15, LML+16, LC15, LAL18,
LM18, LPW15, LH15, LSL15, LFDP16, LBZA16, LW17c, Li17, LJ17, LJ18,
LBTK18, LGH18, LY18, LMBZ15, LXL17, LC17a, Lia16, LZT17, ILLN16,
ILNS17, LSD+17, LHY+19, LMMS16, LT16b, LC16, LC17b, LD15,
LDZW15, LZT+15, LY16c, LY16b, LWB+16, LK16a, LW17c, LTXB17,
LWY18, LTW18, LYP17, LHF16, LQB16, LT17c, LZW+17, LHA15b,
LYF15, LP17a, LWC17, LRGO18, LW17a, LMGG17, MMN16, MD17,
MD18, Mac16, MC18, MAK15, MZAF17, MS18a, MS18b, MDVM16, MS16b,
MNN18, MG17, MK15, MDL16, MA19]. method
[MA17, MO18a, MST15, MKS15, MM15, MRP16, MRZG16, MHGM+15,
MBST17, MT15, MTK15, MB15, MCB16, MCH15, MDA18, ML16, MWYZ16, MN16c, MH17,
MM16d, MM18, NVBD15, NWLC16, NPRC15, NJHL18, NS19, NLK+15,
NN18, Nis18a, Nis18b, Noc15, NSL16, NLL+16, OT15, Ols15, OPH15,
OD15, PZNG15, PKLC16, PKLC17, PHHR17, PDDG+17, PRT18, PHHA18,
PCCG18, PCL18, PL16a, PL18, PCF15, PSS17, PSB+18, PK17, PJC16,
PPLC16, Par18b, PWC18a, PKB15, PN18, PR16a, PR16b, PLL15b,
PGGW18, PF16, PS15b, PR16c, PRT18, PBK17, PBM18, PG18,
PZ16, PFP16, QXW18, QYJ19, RTG8, RBO18, RVZB15, RBJS15, RG15,
RS16b, RW18, RW15b, RML18, RZ17, RKG17, RX15, RX16,
RMBN18, RMBT15, RTO15, RMC15, Rua18, RPC+18]. method
[RSB15, SY17, SPX+18, SWC18, SXBB15, SWS17, SP+17, SPB17,
SSL+16a, SSVL18, SGMS16, SHA16, SW2+17, SKF15, SKF16, SBG+17,
SHKL16, STKL19, SAK18, SF18a, SMT+16, SRBB18, ST17, Sha17b, SPB18,
SWMD17a, SWMD17b, SMP16, SWZ15, SW16, SwS16, STV18, SL15, SW15,
SZW+16, SSN+17, Shi17, SL16a, ST18b, SP16b, SLY16, SMA+16, SCS16,
SYM17, SLVE18, SW18b, SG18, SO17, SMD18b, SPP16b, SML15, SA15,
SSA17, SZ15b, SDW16, SZ17, SMS18, ST18c, SS16c, SMOM+17, SW18,
SHT16, SGT17, SF16, SHP+16, SCL15, Sub17, SL16b, SC18b, SPC16,
SWZ17, SWZW19, Sub15, SLZ+17, SG17b, SCS18, TNN15, TCD17,
[BHST17a, JL18b, LMPS15, NP16, SS15a, Sch16a, ARF18, AASPT18, AAG16, ABG+18b, ASB+15, AEL+15a, AEL+15b, AMB17, AEVW18, AZ16, AP16, Ama15, Ama18, APT17, ABH+19, ADHN15, Ani16, AMM+15, BJQ18, BHD18, BFI+18, BIR18, BH16b, BM16, BVM17b, BTVB15, BLG+16, BCG+15, BG16b, BTVC16, CF15, CBA17, CCS18, CPT16, CCP19, CS16a, CL16, CLY+15, CJY15, CZL+15, CYS17, CB19, CGS15, CEH16, CV16a, CHS17, CDV17, CGG18, DG16a, DFK17, DKTH15, DCD+18, DWW15, DKC15, EL18, FB17, FST15, FMPT18, FK17, FKY15, GMS16, GFT17, GCCVH18, GGT18, GSMR18, HFND18, HXL15, HX16, HK15a, HCVH18, HLU15, HLQ16, HW15c, HW16b, HW18, Hwa16, HY17, Ido16, IG15, Jac17a, JRPPS18, JS15, JJ18a, KM16a, KC17a, KL17a, KGP17, KK17a, Kor17, KBG15, KGP17, KDPK15, KRK+18, LVB+15, LP18, LZ18, LS15c, LZB+17, LT17a, LWY17, LHMB18, LLY18, LZT+15, LXSC16, LDGH16, LHW+17, MMNI16, NCP+17, NWKC16, NWZ18, OS16, PD17, PM16, PS14, PS15a, PMGW16, PRvdL18, RB19, RMK15, RKL15, ST16, SK19a, SRBO17, SN15, SPD+17, SA16, SAH17, SRBB18, SD17, SY15, SLB+16, SS16c, SZZ15, TP16a, TGY18, TTN+16, TS17, TD16b, VST16, VM19, VCNP15, WMY16, WW17, WS+15, XWW+16, XYP+17, XZZ15, YFKS15, YC15, Yan16b, YH17, YZW17, Yan17, Yas17, YP17, YYY17, YCS+17, ZL15a, ZC15, ZYSW16, ZHWQ18, ZXL17, ZWB+18, ZR17, ZWUR16, ZK18, dSPDH15, dPS16, tEDKT17, ALA16, JL17b].

model-based [FK17]. model-form [XWW+16]. model-order [ZWUR16, dPSS16]. modeled [STG17]. Modeling [BBMN18, CSY15, DD17a, DD15, HF17, PKP+17, PMS15, SSL17, TK16, AASRT17, ANL+16, BB17, BLL16, BM+16, BH16b, BHK18, BHTT17, CFG16, CW16, CP16, CLvS17, CFPB17, DSS18, Did17, DDH+18, FB17, FSK+16, Fui19, GH17a, GFC18, GH17b, GW16, HHA15, HGR16, HSK+15, HU18, HMBH15, HKS+16, J115a, J115b, JS16, J115b, K171, KSV+15, KYS19, KS16c, KC17, KW16, LYK17, LHMB16, LWY18, LMKS15, LGD17, LTXB17, LMM17, LYDB17, LHA16b, MKY17, MF17, MG17, MH19, MSV+16, MAH16, MF16a, NLFM16, NS+16, PD16a, Ram18, RTO15, SSL+16a, SGC+18a, SBG+17, SMP16, SCQP16, SK15b, TCA16, URL16, Vai15, Vos17, WM18, WB17, WC18, XM17, YG18, YLYL16, YLYP16, Zad11, ZCS15, ZDD15, ZW16, ZG17, ZHL18, ZLC+18, ZZ17, Zoh17, dFGS+17].

modelled [Mue18]. Modelling [LZ15b, RPNP18, RZ15, YXF+16, ABG+15, BC18a, BPS16, BM18, BB15, DDLV17, FBC+16, KMS+18, LL19, Mel18, MK+16, SS16a, SWS+18, SZF15, TAJ+17, YSC+17]. Models [CS18b, AB+16, AAI16, AS16, AT16, BT16, BKS18, BLVC17, BH16b, BFGDNR18, BCC+18, BK16b, BKR15, CT15, CDM+16, CCS18, CG17, CS16c, CKQT15, CCM15, CM+16, DD17b, DH+18, FO15, FFP17, GRL15, GRL19, GH17b, HAPK15, Hig15, HLQ16, KMD+18, KKP15, KL17a, KS16b, KBF17, LM15a, K17, LPW15, LLL16, LTW18, LPBR15, LPR19, MH16, MCN18, MXL16, MPP15, MRX17, MTL+17, MLB16, Ni16, OTS17,
[BLK15, BB15, Del15, GIF18, HSM19, IBML16, JL15, KS16c, LCK16, MSS16, MOR18, NFG15, PAR15, PVPK17, RFPSSA18, RZ17, RHvR+15, SDM+17, TCB18, ZLX17, ABG+15, AEL+15a, AEL+15b, ALO18, APT17, AB15, BZ19, BA15, BZ15, CPSF17, CXH15, CHZ16, CEL+18b, CGP16, CHLZ17, Did17, FPASS16, FX18, FB15, FPT17, GMD19, GEZK16, HYK+16, HHA15, HJM17, HTZG17, HSBI6, HHLY17, JL18c, JLLZ15, JJ17, KH17, KJ17a, KKLS17, KLRIT15, KSSL18, KC18, KLRQ17, LLD+16, LKB15, LML+16, LKK17a, LKK17b, LMM17, LB18, LLY15, LW15b, LFDP16, LC17a, LC16a, LH17b, LH18, LHA16b, MZAF17, MSQ+17, MN18b, MBM+15, NKK+17, NKL+15, Nor15, OT15, PHHA18, PKCK17, PK16, Par17, PN18, PT18, PLWJ16, PBA+15, RPK17a, RKN19, RS17, RXSG15, RXS16, SPX+18, SDJU15, Sha17a, SPM+15, SS16c, SD16, SF16, SL16c, TC15a]. multi
[TCL15, TCS15, TCS17, TCI+16, Tav16, VSM16a, VSM16b, Vos17, WDS15, WED15, WHZ18, XX16, XDSX17, YK18, ZKS+15, ZZ17a, ZYK18, ZF18, ZS18, ZPE+16, dCGCA17, IBML16]. multi-block [MSQ+17, PLWJ16]. multi-body [PLWJ16]. multi-color [KLWQ17]. Multi-component
[LCK16, Did17, FB15, HHM17, KS16c, LFDP16, Tav16, Vos17]. multi-continua [CEL+18b]. multi-core [CPSF17]. Multi-dimensional
[Del15, GIF18, BA15, CGP16, GMD19, JL18c, JJ17, LK16a, MBM+15, PK16, RXSG15, RXS16, SF16, TCS15, TCS17, WDS15, YK18]. Multi-Domain
[IBML16, RZ17, CXH15, LC17a, PBA+15]. Multi-element [JL15]. Multi-fidelity
[PVPK17, ZLX17, LKK17b, PKCK17, RPK17a, RKN19, RS17, ZKYS18]. Multi-Fluid [SDM+17, LLD+16, NFG15, PN18, SS16c]. Multi-frequency
[PAR15, KNN+17, Par17, ZZ17a, ZF18]. multi-grid [LML+16, LLM17]. multi-layer [BZ19, KHP17, SD16]. Multi-level
[HSM19, MSS16, KC18, LBY18, LL15, IBML16]. multi-material
[HTZG17, KKL17, MZA17, PHA18, VSM16a, VSM16b]. multi-medium
[LH17b]. multi-mesh [WHZ18]. multi-moment
[LH18, Nor15, XX16, XDSX17]. multi-output [ZKS+15]. multi-particle
[LKB15]. multi-phase
[ABG+15, AB15, FPT17, HSB16, OT15, SPX+18, Sha17a]. multi-physically
[WED15]. multi-physics [MN18b, PT18]. multi-point
[AEL+15a, AEL+15b]. multi-relaxation [APT17]. Multi-resolution
multipole-to-local [YS18a]. Multiresolution
[BT17b, YT17, BCO+15, BDM17, DBMB15, HW16a]. multiring [GFL17].
Multiscale
[AASRT17, AEVW18, BLL16, BHTT17, CHT17, CCK+17, CJ17, GV18,
GFG+15, GH17b, KYYK19, LE16, LYDB17, MT18, PD16b, SS16a, dMRHJ17,
BJO18, BZ16a, BM16, LL17, BRK17, CE18, CEL15, CEH16, CELZ18,
CEL18a, Cot16, CLNH15, DGW18, DD17b, DLR15, EZG16, ELH+16, GFC18,
HF18, JTR16, JL15, KKP15, KZ17, KAR17, KEJ18, KK17a, LPBR15,
MVKD15, MGKG17, MH19, MTL+17, ML16, NS19, NGS16, PJB+19, PC19,
RWG18, SMT+16, SS0+15, SDW16, TPT16, TWH15, TAH16, TRL15, TL15,
XCX17, YB17, Zau16, ZS16, ZZD15, GAS+18, TKB+15]. multiscale
[Lot18]. Multislope
[GFL17]. Multispecies
[TCS16a, ZLJ16]. multispeed
[LMPS15]. multistep
[SSZ19, Ter18, VK16]. Multithreaded
[RB18]. Multitrace
[JHPAT17]. Multitrace/singletrace
[JHPAT17]. Multispeed
[QLF16]. Multivalued
[FFW17]. Multivariate
[KM16b]. Multiwavelet
[GCVMK15]. Multiwavelet-based
[GCVMK15]. murmurs
[SBG+17]. MUSCL
[BR16, BR15a, BR15b, LMG15]. musculo
[KBG+15, KGP+17]. musculo-mechanical
[KBG+15, KGP+17]. MUSIC
[AJP15, PKLS17]. MUSIC-type
[AJP15]. myocardium
[VLP+16].

N [Gho17, XWZ+18]. N-SDS
[XWZ+18]. N-SDS/IC-IP
[XWZ+18]. NACA
[FW17]. Naghdi
[LM15a, Pop15]. Nagumo
[LZT+15]. Nano
[Eva18, BLL16, CFPB17, HCW15, ZHWQ18]. Nano-particle
[Eva18]. nano-pore
[ZHWQ18]. nano-transistors
[HCW15]. nanocomposites
[LYDB17]. nanogap
[VCNP18]. nanometer
[SSL+16a]. nanoparticles
[SAH17]. nanopores
[MBBKTH17]. nanoscale
[SSVL18, YT17]. nanostructured
[SU15]. nanostructures
[HC17, VCNP18]. nanowires
[BDPM18]. Nash
[TZ16]. natural
[CB18b, MTJ18, PKLC16, PKLC17, SL17, WSF17]. Navier
[HW15a, AD15, ALL18, AB17, BTD16, BTB15, BPD19, BHF15, BC16c,
CHOR17, CS16c, CYL+16, CYYL18, CDN17, CCKQ15, CLP16b, Du18,
FWK17, FBW16, GKN18b, GTG15, HPY18, HG18, HTMP17, JPSX18,
LM18, Ler16, LXC+15, LZY+17, LT17a, LHMB18, LM16, MS18b, MLM18,
MPFL16, MS18c, MHS16, MR16b, MN18c, NN19, OvdHVH16, PG17,
PXL116, PX16, PCN15a, PCN15b, Pea15, PND16, PDRB17, PBBK15,
PMB18, RDM15, SHLG15, SMS16, SLB+16, SLY16, SE16, Stü15, Stü17,
Svää15, TD16a, TD17, TXKvdV15, TXKvdV16, UL16, WY17, WR15, WZ18a,
XWW+16, YC17, YTW15, Zha17c, ZLFW18]. Near
[LW16, AM18, CV15, KW15b, LW15a, Liu16, LZL+17, MS17, Ols15, RPnP18, ST16, SX16],
near-boundary
[Ols15]. near-coplanar
[KW15b]. Near-field
[LW16, LW15a]. near-limit
[LSL+17]. near-optimal
[AM18]. near-wall
[MS17]. Nearest
[GKMS17, Smi18]. Nearest-neighbor
[GKMS17]. nearly
[Tsa16]. nearly-singular
[Tsa16].
near
[RFGSV15]. negative
[SiI16, YC15]. neighbor
[GKMS17, TST+15].
neighbour [Smi18]. nematic [KLWQ17, ZYSW16]. Nernst [LW17c]. nerve [MW16a]. Nested [PSMPG17, PRvdL18, LZT17, SLY16]. net [CMDL18].
network [BBB16, BLVC17, FKS19, KJ17a, RH18, TB18, VLP16].
networks [AMJ17, BPS16, BK16b, BBBG15, CTM16, Cot16, EEE15, 
FN19, HU18, KEJ18, MWD16, MPT16, MB15, MMW15, Noe15, PVFN15, 
RKP19, SSDN15, ZZ18, FBC16]. Neumann [JTD16, ABN15, BK17b, 
BK19a, Cha16, DGHP17, GBD17, MK15, PKJ18, PS17, WSY16]. 
Neural [FBC16, HU18, RKP19, RH18, TB18]. neuromechanics [PBP18].
networks [AMJ17, BPS16, BK16b, BBBG15, CTM16, Cot16, EEG15, 
FNNB19, HU18, KEJ18, MWD16, MPT16, MB15, MMW15, Noe15, PVFN15, 
RKP19, SSDN15, ZZ18, FBC16]. Neumann [JTD16, ABN15, BK17b, 
BK19a, Cha16, DGHP17, GBD17, MK15, PKJ18, PS17, WSY16].
MPP15, STR15, WMS18]. non-flat [KJYC17]. non-Fourier [ST15].
non-Gaussian [ZFPB16]. non-graded [Bat17]. non-gradient [GMA18].
non-Hermitian [ZD15a]. non-homogeneous [HHW+16]. non-hydrostatic
[AZ16]. non-ideal [PL16b]. Non-intrusive
[HU18, vdBDK17, BLo17, CMP19, HFND18, XYF+17, NW17].
non-isothermal [BLVC16, XML17]. non-iterative [HK18, vdBKD17, Blo17, CMP19, HFND18, XYF+17, NW17].
non-isothermal [BLVC16, XML17]. non-iterative [HK18, vdBKD17, Blo17, CMP19, HFND18, XYF+17, NW17].
non-locality [MK17]. non-matching [FKS19, LLJJ18]. non-Newtonian
[AS17, CB15, ZLC+18]. Non-normal [RS18]. non-oscillatory
[CKK18b, DB18, HWA15, HY16, LJ16, SK18, ZPW18, ZQ17].
non-overlapping [AB15]. non-periodic [YS18b]. non-polynomial
[LW17c, YY16]. non-reflecting [FN17]. non-relativistic [Sel15]. non-slip
[LM18]. non-smooth [MM15]. non-stationary
[ACCD+17, TSST16, ZFPB16]. non-symmetric [GL17]. non-tensor
[ABFR16, LB15]. non-uniform
[AB16a, FL18, LYM16, PL16b, SS16b, SYM17, WR15]. non-uniformly
[LA16]. non-zero [KBR17]. Nonaffine [CS16b]. Nonaffine-parametric
[CS16b]. nonconforming [BT18, VPM15, ZZC19]. nonequilibrium
[DFS16, SKO18]. nonequilibriums [DZ18]. nonhydrostatic [SZS15, Yi18].
non-isothermal [BMT18, KS18b]. Nonlinear
[BGM16, LT15, dPSS16, AC17, ATZ16, ABR16, ALT17, AEAM15, ANL+16,
BM15, BHKS16, BJZ15, VMN+18, BM16, BK18, BCJL17, CBZ18, CBA17,
CRW16, CGM18, CS16b, CLP16a, CG18b, CHLZ17, DSS18, DLL+17,
EAAM15, EKEB16, FW18, FSWW17, FBF15, FKR16, GS15c, GFL17,
Gno17, GWWC17, GXX17, GP16c, HdhB+16, HU18, HHCG15, HAH16,
Hue15, KM17, KM16b, KCP17c, LMS17, LM15a, LL19, LZ16, LY16,
LG18+18, LZ17b, LZZS15, LW17d, LW18, LYDB17, MD17, MD18, MBJ16,
MBN16, MK17, MKG17, MW17a, MDP18, MNP18, NBH18, PE16a,
PBA+15, DM18, RK18, RP19, SPP+16a, STEK17, SAEF17, SWG+17,
SY16, SL15, SK15a, SGC18b, SY18a, SYM15, SPW18, SS18c, SJ1+15,
SCS18, TCS17, TT17b, TMT17, WH15, WMY18, WL17, WHT18, YSC+17,
YY+17, YN17, ZL16, YJB18, YL17, ZK15]. nonlinear [VZO15].
Nonlinearly [YS17]. Nonlocal [MGT18, ATZ16, BJZ15, CP16, DWW15,
DY17, DJLQ18, EN16, SMD18b, VCNOP18, WW17, XJ16, ZGJ16, ZK18].
nonoscillatory [BR17, HBR15, YC17]. nonparametric [LZ18]. nonplanar
[DD16b, WHY18]. nonseparable [ZKS+15]. nonsmooth [XY18].
nonsymmetric [EJM18]. nonuniform [BJZ15, JL17a, DV17]. norm
[BD16, CM15, CGM18, DBZ17, Mat17, MAvdW18, MO18b]. norm-oriented
[BD16]. normal [MI15, RS18]. normalized [HK16b, Rua18]. note
[AM17b, HS17b, Sir19, Tua15, YY16, ZW15]. Novel
[Mue18, RC18, BTBV15, BND16, DC18b, DWG16, DWGW17, DwW18,
FFJ16, FLHA17, HY17, JLF17, KD17a, KM15, LAEK18, DV17,
MMr18, PN17, TCL15, VST16, WS16, XTYL18, YTW15, ZL15c, ZRE16].
nuclear [ABdC+18, DDJ17, GDS+16, HBC+16, MTL+17, PBA+15].
nucleate [SN15]. nucleation [FSK+16, KES18, KK17b]. number
[BBKS16, BEMY17, BFNGDNR18, Bon17, BKG15, DCP15, Eva18, GSN17,
LLFX18, LWL18, MM16a, MA19, MDP+15, MBD15, MA16, MDAB18, NL18a,
Pan15, RFGSV15, SP15a, SK18, WSY15, WC18, WDGW17, WGME17, ZV16].
number/compressible [MDAB18]. numbers [FMPT18, JdR+18, KJ17b, TD17, XTYL18]. Numerical
[APR+15, ALA16, BLVC16, BTT18, CRW16, CCZ18, CPSF17, CC17c,
CC15, CVK16, CV16a, DLLV17, DGHP17, DNOP15, Dw15a, EKSS15,
HGR16, HB16, HX16, KS16b, KYYW+16, KYW+18, LW15a, LLVF+15,
LM17, LAA16, LM15d, Mac15, MSG18a, MSG18b, MR16a, MC15, MFB18,
NKN+17, OTS17, OMYYDP+15, PM16, PSV18, RS15a, RF18, STKH15,
SDFA17, Str17, SS17c, SZCL18, TBHG18, Tou18, WHL17, WL18, WSH19,
YSWW16, YZW17, YY17, ZB15, ZZ17b, ZZPH18b, ZZPH18a, ZLL+17b,
ZS17, dLDG+18, ABI17, AAG16, ABG+18b, ASB+15, ADH+16, AM17b,
BCB15, BS15a, BDBEE15, BR15a, BCC+18, BK16b, Bre18, BC16d, CM15,
CW16, CWL+16, CYS17, CSG17, CLGA17, CEL15, DMI7a, DS15a, DDJ19,
DSS18, DLRN18, Dod17, Don15b, DLS15, DL18c, DBMB15, EH14, EH15,
FNGV18, FW17, FB15, FFJT16, FPV18, GB15a].
numerical [GP16a, GO15, GLS15, GN16, GEZK16, GA18, GGT18, GFW16, HPY18,
HW15a, HO15, HZL+16, HM16a, Heu17, HN17b, Hu17, IM17a, Jac17a,
JSVD17, JL16, KTN15, KGT15, KJP18, KLNH17, KCS+17, KHC+16, KV16,
Lap16, LVB+15, LE16, LRA17, LS15b, LZ15a, LWY17, LB16, LFT+16,
LSYF15, LP17b, MOAA15, MS15c, MW16a, MST15, MDMS18, MHZ+15,
MN16b, MTK15, MTK17, MA16, MW15, MC17, NMM15, NPPC15,
NLFM16, NN18, NT16, OC18, PP18a, PC16, PS14, PS15a, PGGW18, PT17a,
PWC18b, PZF16, RW15a, RMK15, RL16, RMF+18, RZ15, SY16, SPD+17,
SSL+16a, SWML17, SVG18, SAK18, SRBB18, SMD18a, SY15, SLL16,
SYM15, SM19, SPP16b, Sov16, SD16, SPRW15, SK15b, Suz18, Sw15,
TM15a, TCL15, UWH17, Vai15, VPM15, VST16, VLP+16, WMY18,
WBB16, WCL15]. numerical
[WTL17, XYPT16, XLL+17, XS15, XML17, XY18, Yan16b, YFJ17, YFJ18,
YM17b, YXX+16, ZCHS15, ZSP15, ZNI18, ZSY18, ZWWY18, BFFB17].
Numerically [LDHJ15, Vab15, LZ16]. Numerics [KHP15, LLS15].
Nunziato [CHS17, DG16a, FRRV16, LDGH16, TT16]. NURBS
[MH18a, SNSG16]. NURBS-based [SNSG16]. NURBS-enhanced
[MH18a]. Nyström [APKP16, CCZC16].

obeying [HK15a]. Object [WW16]. Object-oriented [WW16]. objective
[FC16]. objects [GWB+15, LB16, SUR18, SF18a]. obliquely [GD19].
observer [CCM15]. obstacle [LW15a]. obstacles
[BNM15, BFP18, DM16, HG18W, ZZ17a]. Ocean
[SS15a, CGSS18, Hig15, Kor17, NWKC16, PP18a, SP16a]. oceanographic
[FDS+15]. oceans [MD18]. Octree [MC16, GZLH19, HS18a, JL18a].
octree-based [JL18a]. Octrees [GTG15]. ODE [CFG16, CB15]. ODEs [BK16b, CNW17, OZ17, TSC17]. ODEs/PDEs [OZ17]. Off [HHK15, RKL18, HRJ+16, RS15a, ZWG17]. Off-centered [HHK15].

Off-lattice [RKL18, RS15a, ZWG17]. offline [ABI17, SFDE15]. offline-online [ABI17, SFDE15]. Offsetting [uKHGK19]. offshore [CGSS18, GPAO+18]. oil [ASB+15, WLC15]. on-the-fly [EZG16]. One-dimensional [HHK15, RKL18, RS15a, ZWG17]. One-step [PKK18]. One-way [SL16b, TC15c, Ter18]. online [ABI17, CEL15, CEL18a, SFDE15]. onset [SGN16]. onshore [GPAO+18]. optimisation [RSH+17, LH17a]. Optimization [BRd18, DRP+16, GH15, RBD17, SGL18, ADE+17, BABD16, BKS18, BMPS18, BDB+17, CGC17, CWWZ17, DBD+17, DK18a, DK18b, EHZ17, Fid17, FBC+16, FC16, GJ18, GMA18, GGW17, KKZ15, KPG15, LLY15, Loz17, LBB+17, MHJ15, MMMS15, NSL16, PPCK17, RN18a, RPC+18, STHW17, TZ16, TMH16, TD16b, Wal16, WHZ18, YYY+16, ZP16, ZHW18].

Optimization-based [DRP+16, RN18a]. Optimized [Bra16c, JLC18, DZR18, JLC15, KGS17, KÁGR18, LTXB17, MAV18, SZ17, YWH15]. Optimizing [TLR16, CFO18]. orbit [SPCH16]. Orbital [LT17c, FON16, HP16, PddG+17, GS16]. Orbital-free [GS16]. orbital-updating [PddG+17]. orbitals [DLY17]. Order [BD18, BPD19, DS16, SYV17, TRM16, AHNF15, AD15, APP+16, AD17, AMJ17, AMP16, ABFR16, ATF16, APK16, And16, ADK+17, ABH18, ABH+19, ABR16, ABG18c, ALMJ15, Ata15, BZ19, BTD16, BD15a, BGS16,
BAGK16, BTGM17, BMTM18, BLM18, BNM15, BGN19, Bat17, BKO18, BIR18, BM16, BR15a, BH18, BHE+17, BZ18, BND16, BFT17, BST15, BK16b, BDZ15, BDLM18, BSM16, Bre18, BPF+16, BTT18, BC16c, BCG+15, BFTVC18, Cac15a, Cac15b, CGQ18, CBS18, CC15, CGMH18, CCK+17, CKK18b, CLY+17, CLC16, CJL16, CHY16, CWL+16, CS17a, CZ17, CTK17, CHJT17, CZL18, CB19, CLX15, CLTX15, CFST16, CXY19, CC16c, CR18, CG16, CCM17, CLP16b, CWJ18, CCGH17, DS15b, DD19, DPO16, DB17, DNBH15, DC18b, DWGW16, DL17, Die15, DLMDV18, DLC15, DM17b, Don18, Don15b, DDH+18. order [DCD+18, DVP+16, DLL+17, DL18b, DL18c, DYL19, DY19, DPRZ16, DPRZ17, DKK15, EMSS17, Fal15, FSI17, FAZ16, FWK17, FS18, FYZ+15, FBM16, FP16, FRRV16, FHA16, FHA18, GP17, hGwSzS15, GYZ16, GH17a, GFC18, GPS17a, GPS17b, GSL18, GS16, GGL+17, GBCF15, GBCF16, GZL19, GGT15, GEZK16, Gro18, GLK19, GY15, GLW18, GL17, HK19, HW15a, pHZScC15, HB16, HLSQ16, HTZG17, HBR15, HW16a, Hu18, Hiv18, HN17a, HN17b, HN18, HF18, HLO16, HHY16, HW16b, HC18a, HC18b, Ism15, IDSG15, JLQX15, JPS18, JZSX18, JYY18, JH17, JFS17, JTD16, JCI17, KMD+18, KC17a, KW15a, uKHGK19, KRFV16, KYW+16, KYW+18, KFWK17, KC18, LMS17, LBTGC16, LK17, LN17, LSL15, LLP+16, LAL18, LPW15, Ler15, Ler16, LX16, LM16b, LMC16, LW17c, Liu17, LC17a, LWWY18, LGB16, LZ17b, LS16c, Liu16, LW17d, LTXB17, LS18, LTW18, LIW18, LKSM17]. order [LAK+16, LHN18, LP17b, LS16, MRM16, MZA17, MLM15, MNR17, MNG15b, MR16a, MA17, MN15, MN16a, MRN16, MDHC15, MTT19, MKC17, MW16b, MP17, MDM+15, MSL18c, MP15b, MH18b, MRXI17, MA16, MMPS15, MB15, MM16d, MM18, NNM15, NMC15, NJ15, NN15a, NL17, OLDN17, O'S15b, OSKN18, OLHD17, OWKE16, OV17, PXL16, PX16, PXR17, PHA18, PE16a, PHRA16, PP16b, PA16, PMB18, PBC+17, QWX18, RNX15, RNX16, RN18a, RSB16, RA17, Roy15, Rua18, RRME+19, RWN18, Say17a, Say17b, SSV18, Sch16b, SL18, SC18a, Shal17a, SM16, SWLZ15, SLL16, SGC18b, Shu16, STG17, SYV14, SY18, SFDE15, SL15, Spe15, SPZ18, SSN15, SGT16, SST17, Sti16, SC18b, SK18, SWZW19, Suh18, TLQ15, Tao16, TLQ16, TLH15, TD18, TSH17, TK12, TK15b, Ter18, Tie16]. order [TMM16, TM16b, TDP16, Tso18, URL16, VPV+17, VN15, WW17, VSM16a, VSM16b, VAD17, VSC18, VLN+18, VK16, WW15, WL15, WX15, WRL16a, WRL16b, WRPL17, WLDG18, WPK18, WSO16, WKO17, WR16, WSR15, WL17, WT15, Wu16, WTX17, XYF+17, XY18, XJLQ15, XQ17, YC17, YCPD15, Yan16b, YFJ17, YH17, YLA15, YK18, ZP16, ZK15, ZL15b, ZC15, ZZZ17, Zha17c, ZLFW18, ZY19, ZS15K15, ZY17, ZXL17, ZWWY18, ZQ16b, ZS17, ZQ17, ZS18, ZWUR16, dLG+18, dPSS16]. order/low [CCK+17]. ordering [XL17b]. orders [PPCK17, VSM16a, VSM16b]. ordinary [CGS18, HBR15, MTK+16]. ordinate [HHY15, JKE+17, OWKE16, OKWE17]. ordinates [DMAM15, LFRH17, MRM16, Mas18]. organic [CLZZ19, vdKK16].

[BGTM18, BN17, SLH18, SGD18, SHP16, TC15a, TKC15, BD15b, BTGM17, BHST17a, BHST17b, CK16a, DLN15, FNGV18, GPS17a, GPS17b, LB15, MBJ16, MBNJ16, MS18a, MS18b, Say17a, Say17b, VSM16a, VSM16b].

**partial** [AD17, ADH16, AEAM15, BZ15, BT15, CGS18, CIL16, DLL17, FBL17, Fa16, GXX17, HO15, JX15, JX17, KNS15, KR17, KS16c, LL16c, MS16a, MTBT18, NBH18, Pes15, RK18, RPK19, RMP18, SR16, SS18b, Sub15, TST17, TO15, VCNPG15, VBG17b, XY18, YHKPF17, ZHWQ18].

**partially** [MS15a, PD15].

**Particle** [AB15, COdLL18, CLMZ17, FRO17, Gam15, KKK18, MDL16, PWC18a, TP16a, WZ18a, YDCK16, AMB17, AWS16, AF18, AP16, Ama18, BLL19, BHdD18, BLK15, BBKS18, BKKJ17, BLC17, Bra16a, Cac15b, Cap18, CGS15, CCL16, CLM15, Cos16, Cot18, CMR16, DD15, DTA15, DPK17, DJL19, DKC15, EH18, Eva18, GB15a, GMP16, GFA16, GG15, GBD15, GAJ15, HWH16, Har18, HSLQ15, HSLQ16, HM17, HM16b, ID17, Iwa15, JLC15, JST17, KGS17, KES18, KF17, KK16, LKB15, Lap17, LN17, LPWK15, LS15b, LS16a, LLY15, LBTK18, LS16c, LSIR16, LY17, LWT19, MLM18, MR15, MCV16, MC16, MPR18, MHZ15, MS17, MFG15, NOM17, NT15, PLL15a, PKP17, PR16c, PMF15, PWP15, PSV18, PC19, RBJS15, SCC19, SE15, Sto17, SPCH16, GSP17b].

**particle** [TYD16, TZGW18, dCPDC17, TOR15, TSFS17, TPB16, TL17, WSN15, WCCB16, YXD16, ZB15, ZHA17b, ZZPH18a, ZZPH18b, ZZKFI5, ZPE16, ZRE16, AG18, DDD17, FFA17a, MNO17, MSD17, WSJY16].

**particle-based** [ZPE16].

**particle-fluid** [TZGW18].

**Particle-in-Cell** [CLMZ17, BLC17, Bra16a, GFA16, HWH16, MHZ15, PMF15, SPCH16, dCPDC17, WCCB16, YXD16, DDD17, MNO17, MSD17, AG18].

**Particle-in-Cloud** [WSJY16].

**particle-ion** [SCC19].

**particle-ion/fluid-electron** [SCC19].

**particle-laden** [AMB17, LWT19].

**Particle-Mesh** [PWC18a, MLM18, MCV16, RBJS15].

**particle-particle** [LY17].

**particle-resolved** [CMR16].

**particle/finite** [PWP15].

**particles** [CL15, DM17a, DSH16, Fan19, JdR18, KYKS19, KK17b, LHW17, NLFM16, RFSGS15, SK19a, SKF15, SGC17, Tao16, TP16b, TKF17, WSP17, YC15, Yan16a, aKT16].

**particles-fluid** [WSP17].

**particulate** [KLN17, KSI17, LRZ17, MZ15, WSP17, Zoh17].

**Partition** [FL18, BHKS16, BMP18, NJHL18].

**Partitioned** [CL18, LPB17, WED15, BHST17a, BHST17b, BCM15b, DDV18, LLEK17, LHH16, LLJ18, MBHS17, SL16].

**partitioning** [FL18, LK17, NS15].

**parts** [CHD18, DBZ17, FN17, GWK16, LMN18, MN04, MN17, NN17, NN19, NR17, NG17, NG18, PS15b, RÖS16, RÖS17, Ran18, RWN18, RN18b, SPB18, LKN17].

**Pascal** [LY16a].

**Pasquetti** [Sir19].

**passage** [PTMF18].

**Passing** [CDX18a].

**passive** [CDX18b, HM17, LE16].

**past** [CPS17, SHW17].

**patch** [BRK17, GFA16].

**patch-based** [GFA16].

**patching** [BVS18].

**Path** [HKPK16, KKK15, CC17b, Cot16, Gen15, LO16, Opp17, SV17, Zil15].

**Path-space** [HKPK16].

**paths** [LB17].

**patient** [BFT16, ISP15, PVFN15].

PDE-based [BSK15, VBG+17b]. PDE-constrained [TD16b].
PDE-domain [ZYK18]. PDE/ODE [CFG16]. PDEs [KHP15, Kat16, AW16, BFFB17, BK18, BVT18, LL17, CM15, CNW17, CELZ18, CLP16a, DL17, HL15b, HHLY17, LW15b, LTR17, MN18a, MJ17, NVBDV15, OZ17, PR16c, PLR18, SNK18, Shu16, SGL17, TSC17, Wu16, ZILZ15].


Peridynamic [XZT18]. periodic [BM19, BB15, DCA+16, DJV+18, DKTH15, GS16, GD19, HTFL18, HN17a, HN18, LKB15, LB16, MVZ16, NL15, RPC+18, ST17, SHW18, SWZ17, YS18b, ZHS18, Pan15]. periodically [SC18a]. periodicity [NPP15, YS18a]. permeabilities [MTK15].

permeability [BDM15, MTK17]. persistent [WW16]. perturbation [CDM+16, FCW+18, GFvR18, HN17a, HN17b, HN18, SY17, SKW19, UG16, WHCN17, YM17c]. perturbation-method-based [CDM+16].

perturbative [Fal16]. perturbed [CAA18, GRMK15, GFvR18, SP15a, ZG18b]. Peshkov [Jac17a].

petroleum [TH18]. Petrov [BK19b, CBA17, GR18, RDM15, SDW16]. Petviashvili [EO15]. Phase [BG16b, CCP19, HW15c, LJZ15, ZW16, ARF18, ACR15, AASRT17, ABG+15, Ani16, AT18, AB15, BCST17, BGN15, BAVC17, BGJ+15, BR17, BHMS18, BDPM18, BKG15, BKKR16, CFSN18, CDM18, CGK17, C16c, CKQT15, CYS17, CS17b, CG16, CM18d, DD16a, DD15, D18, DGMT17, EHXM15, FGL16, FB17, FM17, Fed17, FPT17, GGL+17, GHT+16, GGT18, HAA15, HHM17, HBR15, HS16, HTNP17, HW16C, HBTG15, JTR16, JS16, JS17, JJ18a, JJ18b, KJ17a, KS16c, KS18b, LVTR15, LSL15, LRA17, LW18, LPCG16, LWY17, LSD+17, LY16c, LDLG16, L17, MNC15a, MA19, ML16b, MAA18, MDP18, NPR15, NLW+16, OTS17, OT15, PL18, PSB+18, PKB15, PS14, PS15a, PG17, RWG18, RV16, RTO15, RZ15, SPX+18, SHA16, Shu17a, SRBB18, SY15, SLL16, Suy18, TH18, TK15a, TND18]. phase [TT16, VS17, VSC18, WJD16, Wic16, WKS15, WT16, WHZ18, XSL18, Yan16b, YH17, YSY17, YY17, ZZ17b, ZN18, ZHLZ18, ZYSW16, ZYK15, dJRK+15, tEDKT17, KYKS19, SRS19].
phase-based [NPRC15]. phase-dependent [DD16a]. Phase-field [BG16b, ARF18, BDPM18, CJYZ15, CS16c, CKQT15, GGT18, JTR16, JJ18a, JJ18b, LWH17, LHY16, MAA18, OTS17, PKB15, SLL16, Wic16, WH18, YY17, ZHL18, ZYSW16, ZYCK15]. phase-field-lattice [RTO15].

phase [SFDE15]. phaseless [ZZ17a]. phenomena [Fon16, LAK+16, RSH+17, SCN+17]. phenomenon [sCYxL+18, LBZA16, Rod17, Rod18, VBG+15]. Phi [SGL18]. phonon [GW16]. phononic [DBD+17, ZZW+16]. photoelectrochemical [HGR16]. photon [BG18, WHZ18]. photosynthetic [Pis18].

Phys [ASS17, CNG17, Dav15, DK18a, Gho17, GBCF16, HGN17a, KYW+18, MN17, NG18, PS15a, SWMD17a, SYV17, TK15b, ZJS15]. Physalis [SP16b]. Physical [Don15b, CHZ16, HX16, LS16b, LL18, SAH17, WT15, WT16, XB18]. physical-based [LLY18]. physical-constraints-preserving [WT15]. physically [HKS+16, PA15, WED15]. Physics [BR16, EH15, HSK+15, Kat16, RPK19, XS15, YB17, CSM16, DD17b, FHA17a, GV18, GMR18, HBC+16, HHCG15, MN18b, PT18, Prd18, RK18, SBG+17, XWW+16, ZR17, dFGS+17]. Physics-based [YB17]. Physics-informed [RPK19, XWW+16]. physics-motivated [FHA17a].

PML-truncated [PKN17]. PNP [MBBKTH17]. PNPM [BK19a]. POD
[DA17, BFI+16, BFI+18, BIR18, BCG+15, FMPT18, MS16b, RTV17, SSN15, URL16]. POD-Galerkin [BFI+16]. POD/DEIM [SSN15]. POD/kriging
[MS16b]. Poincaré [DDV+15, HS17a]. Point
[RHS18, AEL+15a, AEL+15b, AMB17, BLL19, CR18, DDJ17, DZ16, DZ18, EH18, GSI15a, HM16b, HSC16, JL18b, KR17, MWB+15a, MWB+15b, PJC16, POS16, PR16c, PLS18, WHEK18, WX18, XM18, ZZS+17, ZD17, VOG17]. Point-centered [MWB+15a, MWB+15b]. Point-kinetic [DDJ17]. Point-particle [AMB17, BLL19, EH18, HM16b]. Point-value [XM18]. Points [DZ16, LTXB17, LWT19, MRRRF18, TEU15, WN17, XL17a]. Pointwise [CLL17]. Poisson
[ZG17, And16, ABG18c, AC17, BLA+15, Bat17, BPTA16, BG19b, BD16, CCG18, CCZ18, CG18a, Cot18, CLMZ17, DBMB15, DvWZ18, EG17, EL17, EG18b, GWC18, HW16a, HF18, JTD16, LY15a, LW17e, Liu19, MS18a, MDVM16, MNR17, NN15b, PKJ+18, RBJ18, SML15, SC16, SHW18, St16, Tow18, VSC18, WSJ16, WW18, XJ16, YM15, YM17c]. Poisson-like [NN15b]. Poisson-type [BG19b]. Polar [AM17b, RBJS15, VBL+16]. Polarized [ZND16]. Polygonal [BMPS18, CFF18, HR18a, QYJ19, Rag15, SDW18, TC15b, ZSW17]. Polyhedral [IM15, WHY17]. Polyhedral [DD17a, KBK15a, OLd+17, SB18]. Polymeric [MS18d, SK15b]. Polymeric [ADFG17, OLD+16]. Polynomial [ABM16, KS16b, LB15, SG17, ARG+17, ATM+18, AM18, GNZ18, HD15, HD18, JES15, KSV+15, LW17c, LMBZ15, LG16, LY16a, MT15C, OB17, PUA+15, PHD16, PSM17, SS17b, SL18, SX16, TCA16, WMM+18, YL16B, YY16, ZNX15]. Polynomials [BFFB17, FFBB16, KJB16, O'S15b, OTS17, Str18, VBL+16]. Polytopal [DDM18]. Pool [SN15]. Poorly [Bra16c]. Population [LPKW15, NLF16, WYA+17b, XZ215, Yas17, PMF+18]. pore
[KEJ18, MT18, ZHWQ18, ZQCT15]. pore-scale [MT18]. Pores [GHP15]. Poroelastic
[AEV18, BvK16, CM18d, DGMT17, HMF18, PWC18b, SCLG15, WLE17]. Poromechanics [CWF16, DGW18]. Porosity [GCVCH18, dFGS+17]. Porous [MSG18a, MSG18b, ABI17, BDM15C, BPS17, BHMS18, BKKR16, CXY19, CS17b, CLNH15, CvK16, CFCvK18, DBD+17, DCA+16, FPT17, GAS+18, HS15, JT18, JS16, KJJ17a, LW18, LH15, LT18, LZT17, LNM15, LRGO18, MCN18, MTZ16, ML16, NH17, NSK+16, PF16, QM18, SSL17, SPX+18, SWML17, SMT+16, STG17, TWH15, TAH16, VS17, VOS17, WC18, XML17, YSY17, YB17, ZAD11, ZZ17b, dMRH17]. Port
[KML18, TRLK18]. port-Hamiltonian [KML18, TRLK18]. Posed
[NK19, NN16, NL18b, PND16, dHC16]. Posedness [GMD19, IG15]. Position [CCM15, HDF18]. Positive
[CHS17, DWGW16]. Positivity [GY15, MKC17, Par18a, VSM16a, VSM16b,
CLTX15, CFST16, JJ17, JJ18a, JJ18b, LAEK18, PAL+16, SY16, SPZ18, SDW18, WHY18, WMYG16, Zha17c, ZSW17. **Positivity-preserving** [MKC17, Par18a, VSM16a, VSM16b, CLTX15, CFST16, SPZ18, SDW18, WHY18, WMYG16, Zha17c, ZSW17]. **Possibility** [RRL19]. **Possible** [Ant17]. **Possibly** [LL17]. **Post** [BBW16, CDM+16, MBM+18, KH17]. **Post-processing** [BBW16, CDM+16, MBM+18]. **Posterior** [CMW16]. **Posteriori**-driven [DS16]. **Potential** [BBW16, CDM+16, MBM+18, KH17]. **Potential** [CMW16]. **Potts** [PRvdL18]. **Powder** [Zoh17]. **Power** [CT15, CSCM16, HED+16, ZLL16a, ZLL16b, ZLL16c]. **Powers** [Vab15]. **PPML** [KV16]. **Prabakar** [MG15a]. **Practical** [HFND18, BDB+17, VBF15]. **Practice** [SSZ19, LLL16]. **Prager** [LEB+17]. **Pre** [PPLC16]. **Pre-conditioned** [PPLC16]. **Preconditioned** [FSWW17, HP17, LTR17, Pea15, ZLL16, ALT17, HYL17, JW15c, SYM15, TWM18, VYP15, YSY17, YGJ18]. **Preconditioner** [AAE17, AAE19, BST+18, CLZ18, DFGQ16, DDV+15, EG16, Kas15, KC17c, LY19, LY16d, SLR+16, TCD17]. **Preconditioners** [BVMW16, DM17b, DSCM16, KCW17, MHHX16, MDDM17, PP18b]. **Preconditioning** [CG18a, HB15b, JTD16, KA18, PKJ+18, RM16, XLY15, YM17c]. **Precursor** [KS18a]. **Predict** [DCA+16, YL16]. **Predicting** [AEAM15, CSG17, CLG+19, KL18b]. **Prediction** [CI17, DJV+18, BHGK18, Eva18, FS17a, IPSG15, NP16, PVPK17, RKN19, TMWF18]. **Predictions** [ALM+17, ID17, KBF17]. **Predictive** [KZ17, SZK17, CSCM16, KL17a, KZG17, OCSC18, PD16a, RKN19]. **Predictor** [BK16a, Jac17b, PHRA16]. **Predictor-corrector** [PHRA16]. **Predictors** [PSMPG17]. **Preface** [PC16]. **Prefactored** [RSH+17]. **Premixed** [SWS+18]. **Prescribed** [CRMP16, EJZ17]. **Presence** [BTA17, FP18, GGW17, LT15, NL15, RTO15, WS15b]. **Preservation** [CH16, AHNF15, BGM17, BGMT18, LCF16, OV17, PAL+16, VW16]. **Preserving** [DD17b, AS15, ADK+17, BK19a, BLMY17, BT16, BMC+18b, CZW17, CB18, CCBdL15, CXd15, CQP19, CWS18, CX15, CQL+17, CD17, CLTX15, CFST16, CXY19, CDV17, DLM18, DwW15b, DL15, DSC16, DY19, DMTB15, EHXM15, FG17, FLT18, GLTB18, GWYS18, GY15, HSLQ15, HSLQ16, HDA+18, Hiv18, HW15b, HS18b, JLQX15, JL18c, JXZ15, JL17c, JS17, JJ17, JJ18a, JJ18b, KTK18, LW15b, LY16b, LAEK18, Liu19, Loh17, LHL15, LP17b, MSK18, MD17, MKC17, MGCW18, Nis15, NL17, NSB15, Par18a, QDRB15, QSY16, RKH15, SS18a, Sch16b, SY16, SL15, SKO18, SPZ18, SL16c, SDW18, SXJ15, SXJL15, Suz18, TCS17, TW17, TRLK18,
VSM16a, VSM16b, WZ15, WY16, WW18, WHY18, WMYG16, WKO17, WT15, XJLQ15, YJ17, YWHP15, ZLJ16, Zha17c, ZSW17, ZY19, DDD17.

Pressure [DXvW18, AEL+, ALL18, CLNH15, DWGW16, DS5c, HTFL18, Hig15, HHA16, KTN15, KHIN16, LW18, MS15b, MCN18, NF17, RMF+, STHW17, SS17c, SI16, TD17, Tou18, XDV17, XDSX17, ZCHS15, ZZ17b].

Pressure-based [DXvW18, TD17, XDV17]. pressure-corrected [RMF+]. pressure-density-based [XDSX17]. pressure-dependent [MCN18]. pressures [TK12, TK15b].

Pressurized [CLB+]. Preventing [HSL+]. Primal [RB15, AAE17, AGRB18, Eng18, TC15b]. primal-dual [TC15b].


Probing [PK17]. problem [AJP15, ABN15, Alm19, ADP+, BD15b, BN17, BLM18, BSH17a, BXY17, Bat17, BTB18, BDK17, BD16, BKL17, Cac15b, CCHR15, CC15, CG15, DGP17, DvW18, FPV18, GPRA18, GP17, Gro18, GP16b, GY17, GY18, HK18b, IKI15, JPLL15, JD16, uKHG19, LL19, LDOK17, LHS+, LW15a, LMC16, LYPP17, LWZ+, MST15, NKN+, PP19, RMA17, RZ18, SF18a, TFGK18, TMT17, TM15b, VW18, WZ15, WL18, Xia15, ZF18, CTM+, RZ15].

Problems [GIF18, LBTCG16, APP+, AB16b, AB16b, ATF16, ACJ17, Ani19, AR16b, AWJ17, BJQ18, BCSK17, BSK15, BK17a, BMB16, BJWZ17, BOA17, BBD18, BQCG17, BGV17, VMN+, BGL+, BFT17, BCB17, BM19, BCG+, BCM15b, BKRB15, CPV16, CDL17, CMP19, CXX16, CH17, CW17, COV18, CR18, CG18, CFF18, CG15, CM16b, CMW16, De18, DPW+, DCC16, DL17, DHH+, Die15, DAO17, DJL+, DLS15, DZ16, ET17, EZ16, EN18, EE16, FD17, FK17, FG18, FL16, FP18, GS15c, GWC18, GFR18, GWE+, GLTG15, GH+, HLL+, HU18, HHCG15, HN17b, HMFJ18, HLT18, HCF18, IPS15, IC17, JHPAT17, JL18b, JFS17, KS15a, KA18, KW15b, KADE15, KKL17, KE15, KCW17, KR17, KFL17, Koul16, LSL16, LPU18, LW17a, LZ16, LW17c, LGB16, LMMS16, LY16a, LHW+, Lot18, LMT15, MZAF17, MS18a, MRR17]. problems [MPR+, MM15, MMMS15, MM16c, MTK17, MBD15, MSP16, MW15, MWYZ16, NN15a, NL18a, NGS16, NL18b, NS16, NN15b, PKLC16, PKLC17, PHHR17, PNZ18, PLC18, Par15, Pea15, Pes15, POSB16, PTT18, PBA+, PBK17, PPK18, PCH15, RPK19, RYZ18, RHS18, RRD16, RBGV15, RPC+, SY17, STEK17, SSC+, SPB18, Sir19, Sla16, SML15, SDW16, SP15b, SPM16, SDW18, SCS18, TBHG18, Tow18, WHY18, WWRS17, WED15, WSF17, XZ15, XZT18, YK15, ZP16, ZIL15, Zha16, ZLL16a, ZGJ16, ZSW17, ZGB18, ZZYC19, ZVO15, ZZ+, ZHW18, dFJN16].

procedure [BBKS16, EH14, EH15, ED16, GB15a, JLC15, JJ18a, KKL15,
Ray
Rayleigh
Ray-Moment
Ray-tracing
Ray-based
Ray-Moment
Ray-tracing
Rayleigh
RBC
RBF
RBF-FD
RBF-LOI
RBF-spectral
RBF-vortex
RBFs
RCS
re
re-initialization
re-meshing
reacting
Reactor
Reactors
Real
real-fluid
real-space
Real-time
realistic
realizability
Realizability
really
REBO
recombination
reconnection
reconnection-based
Reconstructed
reconstruction/differentiation
reconstructions
recycling
circular
Cyclical
KMD+18, KM17, KTG16, LK17, LV+B+15, MWD16, MP17, MRX17, OS16, SFT16, SSN15, TD16b, URL16, XYF+17, vdBKD17, TG17. **reduced-basis [CS16b].** **Reduced-order** [BIR18, FS17a, ATF16, KMD+18, SSN15, TD16b, URL16, XYF+17]. 
**Reducing** [Bra16b, GZM+17, MLB18, BBGM15, XWW+16]. **Reduction** [BMCK15, PG18, AEVW18, An17, BJO18, BBKS18, BGG16, CBA17, CCS18, CLY+15, CEH16, CCL16, CMW16, Don18, GBvZB16, GAJ15, HFND18, JL15, JL18b, LYCC17, LS15c, NMA15, NW15, OS16, PQR17, SLB+16, SFDE15, TBJ16, VCGNP15, XL17a, ZWUR16, ZPE+16, ZRE16, dPS16].
**reduction-consistent** [Don18]. **reentry** [PLWJ16]. **reference** [ALA16, DJD+17, LTR16, ZLGS18].
**refined** [CC17a, JW15c, SLY16, ZJLC15]. **Refinement** [BV15, CQdLL18, PSB+18, SS15a, SL18, AA19, ACS16, BHS+18, DMS17, EH14, EH15, FGL16, HS17b, HS18a, HIN+16, HW16c, JW15a, KL15, KLRT15, KJ18, KS16d, LS15c, LS16b, LLJJ18, LNM15, MNG15a, MW17b, MSB+16, NdILPC19, SLdTV18, Tle18, WG+17, WDS15, XS15, dAC17].
**refinement-free** [AAE19]. **reflecting** [FN17, MS15a]. **reflection** [DCA+16, DJV+18, EG18b, LFRH17, XB18].
**reflector** [BtTBI18]. **reformulation** [CD17]. **refractive** [LTKA15].
**regime** [BZ16a, CGK17, CCZ18, DLMDV18, HBR15, IKS19, LYA16, YSVW16].
**regions** [KF17, LLFX18, PLWJ16, TCS16a, ZZX16].
**registration** [ZC15]. **regression** [ARG+17, GJ18, LLL16, NP16, PVPK17, SX16]. **regression-based** [LLL16].
**regular** [Gol18, KGT15, MDM+15]. **Regularization** [BPM18, WS+15, BKL17, CLS+18, GZ17, HW16a, KGS17, LT17c, LEB+17, SHW18].
**regularizations** [HNS16]. **Regularized** [Cor18, VD16, WGE17, WCVF16, CV15, FC19, GPR18a, NL15, SNB+15, Smi18]. **regularly** [YFKS15].
**reinforced** [LYDB17]. **reinitialization** [CD17, JH17, PLHA18, ZY19].
**related** [LS15b]. **relation** [NG17, NG18, SL15, YWHP15, ZLC+18].
**relations** [Abg18a, STR15]. **relationship** [WS16]. **relative** [MCHL16, OPP17]. **relativistic** [BAGK16, BK16a, CKT17, ION+17, KF+17, PSV18, QSY16, Sel15, Teu16, WT15, ZT17]. **Relaxation** [ACCDA16, ACCCD+17, AIP17, APT17, CDN17, FBL17, GSN17, HHM17, LMS17, L119, LMSK17, MG15a, NGS16, Xie15, ZL15c, AC16].
**relaxed** [EN17, YM17a]. **relaxed-Jacobi** [YM17a]. **reliability** [KM17]. **relocation** [SF18a].
**remap** [BMC+18b, DDJ18, Bra16b]. **remapping** [CZ17, SO15].
**remeshed** [HKLW15, RHvR+15]. **remeshing** [BBKJ17, PA15]. **Removal** [KW15b, CMR+16]. **removing** [AR16b]. **renormalised** [BD18]).
**renormalization** [FYC+18, LMK18]. **replica** [BLS15]. **Reply** [EH15].
**represent** [MVKD15]. **representation** [ATM+18, DOO17, JLL17b, LC18, LY16c, SG17, TG17, XX17, ZZZF15].
**representations** [BBB15, LTR16, QWX18, RBD17]. **represented** [ML16].
**Reproducing** [FRO17]. **repulsion** [LY15c]. **repulsive** [Rua18]. **rescaled**
saddle [JL18b]. Sadegh [HSK+15]. SAFT [RVK+18]. Saint [LAEK18].
Saint-Venant [LAEK18]. Salpeter [BDKK17]. SAMBA [ABM16]. sample
[HD18, LB17]. samples [Gri15]. Sampling [PDS15, PT17b, AM18, CW17,
CCL16, Cot16, FJLC18, FMPT18, Gen15, GHH+16, HD15, KBK15b, LL15,
Par18b, PRvdL18, RFPSSA18, SX16, SG16, WBC+16, YYL16, RC18]. SAR
[SGP17a]. satisfy [FS15]. Satisfying [SYV17, Abg18a, CHY16, CHS17, LW17e, SWPS17, SYV14]. saturated
[HSK+15, LL18, SSL17, Zad11]. SAV [XY18]. save [TP17]. Saving
[FJLC18]. SBP [Mat17, MAvdW18, MO18b]. SBT [GRS15]. scalability
[EDC16]. Scalable
[CWF16, CMW16, IPSG15, KRBW17, ANL+16, CS16a, EG18a, EJM18,
K17c, KDPK15, MCN18, TCSM15, TLLF15, WLC15, YX517]. Scalar
[IC17, MD16, SKC17, CDX18b, HA16, HS18b, LBAZ16, OMYvdP+15,
PKN17, RBBG15, SM18a, SXY18, SWZ17]. Scale [HHA15, ABL17, ALO18,
AG18, BB17, BKS18, BB15, Cac15a, Cac15b, CG15, CPT16, CCG17,
CMW16, DLLV17, DkPC15, DNOP15, DPW+15, EZG16, FX18, GHH15,
HHLY17, HKS+16, IPSG15, KJ17a, KLRT15, K16c, KDPK15, KSS18,
LHS+18, LMM17, LMC16, LX17, LWL18, LY16a, LHA16b, MT18, MA16,
MOR18, OCSC18, PD17, SKP+15, SSL+16a, SA17, SDU15, SRBB18,
SDH+16, SXX16, SKW19, SPM+15, SSA17, SLDTV18, VE+18, WMY16,
WSN+18, WB17, XB18, ZKS+15, ZQCT15, ZPE+16, dlCGCA17, PEVG18].
scale-bridging [DPW+15]. Scale-Resolving [PEVG18]. Scaled [GBS15].
scales [Hig15, MWM15, SDU15, TBHG18]. scaling
[BMC18a, JLQX15, LL16a, LY15c, LY17, LT17b, NN18, XXR18]. scalings
[JXZ15, JL17c, Liu19]. scattered [BFP18, CGM18]. scatterer [RTG18].
scatterers [CR17, CCZ16, DKTH15, JHPAT17]. scattering
SCDM [DLY17]. SCDM-k [DLY17]. SCF [BW18b]. Scheduled [ACCCDA16, ACCCD+17]. scheme

Schemes [ZQ16a, AHNF15, AMH+18, AD15, Abg18a, AD17, An17, ABH18, ABR16, ALMJ15, ADOP18, BZ19, BD15a, BGS16, BTGM17, BK17b, BGTM18, BK19a, BC18b, BR15a, BR15b, BR16, BH18, BLMY17, BLD15, BDZ15, BD17, Bra16c, Bre17, BTVC16, CBZ18, CV17, CCRdL17, CBS18, CCP19, CB15, CC17b, CJY15i, CS16c, CKT17, sCYxL+18, CLS+18, CCZ15, CYS17, CCK+18, CLTX15, CTR+16, CK16b, CWY16, DS15a, DD19, DPO16, DL15, DLMDV18, DL18b, DJLQ18, DB18, DPR16, DPRZ17, EMM+18, EL18, Eng18, EN18, EJZ17, Fan16, FNGV18, FLV15, FG17, FLW16, FHA16, FHA17b, FHA18, GSS15a, hGWSS15, GS15a, GMLD18, GMD19, GWH16, GCVM15, GR15, GSK18, GBCF15, GBCF16, GGT15, GA15, GLK19, GGT18, HK18a, HSLQ16, JQX15, JZX18, JLSX18, JLC17, KM17, KW15a, KW15b, KGS17, KGT15, uKHKG19, KFI17, KYW+16]. schemes

[AJP15, AN15, APKP16, BABD16, BXY17, BNM15, BM19, BKL17, CDL17, CHE+17, DCC16, DvB17, DDV+15, FM15, FYC+18, GMP16, GD19, GH15, GHH+16, Hig17, HN17a, HN18, KE15, LKB15, LGO17, LW15a, LB16, LBB+17, PA19, Par15, PLL15b, PWC18b, SUR18, SF18a, SLVE18, UWH17, XB18, ZFZL15, ZW17a].
NMM15, NMM16, NMM17, NMM18, NMC15, NLFM16, NL18a, NR17, NG17, NG18, OZ17, OV17, PXR17, Par18a, PS16, PBC+17, RS15a, Rod17, RRD16, RSH+17, Sch16b, SAEF17, SSZ19, SUR18, SMS16, SY17, SWLZ15, SGC18b, STG17, SY18b, SSIM15, Sto17, SGL17, Stü17, SIX16, Sv15, TLQ15, TLQ16, TLH15, TD18, Tso18, Vab18, VW16, VN15, VV16, VSM16a, VSM16b, WW15, WRL16a, WCL15, Wil18, WMM+18, WT15, WSF17, XLL+17, XJLQ15, XL16, YC17, YYL16, Yan16b, YH17, ZKK16, ZJLC15, Zha16, Zha17c, ZY17, ZZP19, ZSQ17, ZS17, ZS18, dFJN16, vLTBI17, ZN16.

Schrödinger [ATZ16, ABR16, BM15, BJTZ15, BA15, BPTA16, BCM15a, CBZ18, CQL+17, CV16b, CHLZ17, GMP15, GN16, GWWC17, GT18, GHL15, IKS19, LGH+18, LYA16, LHL15, STEK17, SL15, WH15, WWRS17].

Schrödinger-like [WWRS17].

Schrödinger-type [GT18].

Schrödinger/Gross [ATZ16, ABR16].

Schur [JTD16].

Schwarz [Kas15, KC17c].

science [AK17].

Scientific [ZW+18].

scour [RPNP18].

scramjet [CELI15].

scrape [HRJ+16].

scrape-off [HRJ+16].

SDE [AAPB17].

sDEM [ACGR15].

SDPD [DJS+19].

SDS/MC [XWZ+18].

SE [WMS18].

sea [ALTR17, KDL15, MR17, SRBÖ17, WTL17].

sea-ice [SRBÖ17, WTL17].

Seafloor [EFHZ17].

seamless [iI15].

search [GBCF15, GBCF16].

searching [PKLS17].

seas [WMY16].

Second [BHE+17, Cac15a, Cac15b, CKT17, CR18, DS15b, DLMDV18, DVP+16, FYZ+15, Gro18, HHY16, Ism15, LMC16, NDCB17, WXW15, ZsSK15, ABFR16, ABH18, ABG18c, BTGM17, BLM18, Bat17, BR15a, BND16, BST15, BDLM18, CC15, GP17, GBCF15, GBCF16, GZLH19, HW15a, HBR15, LN17, LSL15, LPW15, LC17a, Liu16, MZAF17, MN04, MN17, MN15, MH18b, MM18, PHRA16, Roy15, Sha17a, SLL16, WKOE17, Wu16, Yan16b, YH17, ZY17, ZWY18].

Second-order [BHE+17, Cac15a, Cac15b, CKT17, DS15b, DLMDV18, DVP+16, FYZ+15, HHY16, LMC16, ZsSK15, ABH18, ABG18c, BTGM17, BR15a, BND16, BST15, BDLM18, GBCF15, GBCF16, GZLH19, LNL17, LPW15, LC17a, Liu16, MZAF17, MN04, MN17, MN15, MH18b, MM18, PHRA16, Roy15, Sha17a, SLL16, WKOE17, Wu16, Yan16b, YH17, ZY17, ZWY18].

section [ABT16, Dod17, JDFS16].

sectional [FSK+16].

sections [CV16b, DJD+17, KFL17, LMGG17].

sediment [BVM17b].

sedimentation [AGR18, BKRB15, KM15, ZZPH18b, ZZPH18a].

sedimentation-consolidation [AGR18].

Segel [ZM16a].

segmentation [WLWW17].

segments [Cor18].

Seismic [MF17, CZW17, LLY15, LTIB16b, LTXB17, MKYZ17, dFGS+17].

selected [DLY17].

selection [FOF15, JES15, KKL15, Xia15].

selective [CGTH18, MTK15, Sub18].

Self [BL19, DK18a, DK18b, OLD+16, TTN+16, TSR15, ADFG17, BD15b, BVG+16, BN17, KLWQ17, LLVF+15, LYP17, OLB+17, SCQP16, VHZ18, W16].

self-adjoint [LYPP17].

self-avoiding [W16].

Self-consistent [DK18a, DK18b, OLD+16, TTN+16, TSR15, ADFG17].

self-focusing [KLWQ17].

Self-induced [BL19].

self-propelled [SCQP16].

self-similar [BD15b, BVG+16, BN17, VHZ18].

Semi
Semi-alternating [LZT +15].

Semi-analytical [LC18, MD15, MTD15, TM15b].
semi-classical [LYA16].

semi-discrete [SLZ +17].

semi-empirical [YZW +18].

semi-explicit [KFWK17].

semi-flexible [NRZS17].

Semi-global [STEK17].

Semi-implicit [Gam15, GXX17, MM16a, SKW19, WCN15, ZBH +18, BDM17, BFNGDNR18, Cai16, CGQ18, CM16b, DLR15, DAO17, DJLQ18, Ein19, GS15b, GBD17, HPY18, HAH16, KFWK17, KYPK15, Lap17, LXC +15, LYT +15, LYA16, MD15, MTD15, NRZS17, OD17, PBBK15, PKK18, PME +15, RAMB15, SXBB15, SW18a, SFT16, SLZ +17, TD17, TM15b, XXR18, YZW +18, ZBZ +18].

Semi-Lagrangian [Cot18, BDM17, CQQ16, CGQ18, DLR15, DAO17, Ein19, HAH16, KYPK15, OD17, PBBK15, PKK18, SW18a, SFT16].

Semi-spectral [FSM16].

Semi-spectral [FSM16].

semiclassical [HHY15, IKS19].

semiconductor [FKF17, HW15b, Liu19].

semiconductors [CLZZ19, vdKK16].

Semiparametric [BH16b].

semismooth [YSY17].

sensing [KKZ15, LSD18].

sensitivities [Cac15a, Cac15b, KPKG15, Loz17].

Sensitivity [NW17, SD17, AMJ17, ADP +17, Blo17, BW18a, Cac15a, Cac15b, CNW17, Lia16, SW17b, TCA16, TMWF18, MBJ16].

Sensor [ABdC +18, NHM17, Fon16].

sensors [ST16, ZYK18].

Separable [BPF +16, LT17b, PGH15, TBO +16, ZZZ +16].

separated [BBB15, FW17, RBD17].

separation [Fon16, GKN17, HIA15, JL18b, LHA16b].

Sequential [CC16b, DKK +18, LPU18, MTJ18, SWX18, WHT18, WX18, YNW17, CM18d, MP17, MTJ17, SGPI 17a].

serendipity [HR18a].

series [KKP15, OL16, YYL16, YL16].

Serre [Pop15].

Serre-Green-Naghdi [Pop15].

Set [LVTR15, SGD18, VALT16, AASR17, AT18, CWW17, CD17, CG16, CM16b, GLTB18, GM16, GHP15, GFO18, GWYS18, HJK17, JLC15, JGS16, LMS17, LVL18, LSYF15, MGB16, MW17b, MLMM17, NLK +15, OLB +17, OLD +18, PLHA18, PC19, QWX18, STV18, SCJ +18, SSA17, TAR17, Wac15, XSL18, YCS +17, ZA15a, ZLH +17, ZC18, ZY19, ZHW18, dLG17 +17, AAL15, AB15, BAVC17].

Set/Ghost [LVTR15, GLTB18].

sets [DHH +18, JH17, LN17, STHW17, WX18].

settings [CK16a].

several [GBR15, Shu16].

severe [GZM +17].

severely [QYJ19].

SFO [MAP17].

SGS [LL16b, MNG15b].

Shadowing [NW17, Blo17, BW18a, CNW17].

Shafranov [PKF16, RCRF16].

shale [AEVW18].

Shallow [ABT16, NNM18, SP16a, ALKZ16, BC18b, BFNGDNR18, BHGK18, Cap18, CS18b, CE17, CDV17, DA17, DMTB15, EL18, GP16a, GIF18, GCVMK15, HSM19, JJS15, Jou15, KL18a, KDP15, LMPS15, LPG18, LP18, LDW15, LMS15, LMSK17, MDBC17, NNM15, PP19, DM18, Rie15, SGC18b, SMSR18, SD16, TC15b, TSB +18, VST16, WWGK17, WWGW18, WG15, WBM +15b, ZA15a, ZED15, NNM17].

Shallow-water
Sham [Abt16, Kl18a, Mdbcf17, Zed15]. Shape [Bej15, Bhl15, Cdm+16, Hxx18, Zlh+17].


Sharp-Interface [Sha16].

Shapes [Ga18, Whl17]. Shapiro [Fal15, Fal17, Gdf17]. Sharp [Ac16, Fmrz17, Hha15, Hg17, Hk16b, Lha15b, Sha16, Sp15b, Ts16, Zd15b]. Sharp-Interface [Sha16]. Shear-Interface [Sha16].

Sharp-Interface [Sha16].

Sheared [Lvb+15]. Sheath [Dcpdc+17, Ttn+16]. Sheet [ClvS17, Cs18a, Clfl17, Ipsg15, Mml17].

Sheet [ClvS17, Cs18a, Clfl17, Ipsg15, Mml17].

Sharpness [Lw17].

Shear [Bvmw16, Cb18a, Gif18, Sk19a]. Sheared [Lvb+15]. Sheath [Dcpdc+17, Ttn+16].

Sheared [Lvb+15].

Shear [Bvmw16, Cb18a, Gif18, Sk19a]. Sheared [Lvb+15]. Sheath [Dcpdc+17, Ttn+16].

Sheared [Lvb+15].

Shear [Bvmw16, Cb18a, Gif18, Sk19a]. Sheared [Lvb+15]. Sheath [Dcpdc+17, Ttn+16].

Sheared [Lvb+15].

Shear [Bvmw16, Cb18a, Gif18, Sk19a]. Sheared [Lvb+15]. Sheath [Dcpdc+17, Ttn+16].

Sheared [Lvb+15].

Shear [Bvmw16, Cb18a, Gif18, Sk19a]. Sheared [Lvb+15]. Sheath [Dcpdc+17, Ttn+16].
Simulation [LRA17, LPW15, LZ15a, LWY17, LXL17, LLY18, LTB16b, LD15, LPBR15, LAA16, LSYF15, LWC17, LTWF19, LEB+17, MC18, MWD16, MNG15a, MPT16, MG15b, MNO+17, MS15c, MW16a, MBM+18, MN16b, MN18b, MRK15, MTJ17, MTJ18, MLL18, MZ15, MM16d, MOR18, NOM+17, NYNYM15, PC16, PGGW18, Psl18, QWXZ17, RKL18, RBY19, RS16b, RWG18, RW15a, RMF+18, RBGV15, SNS16, SKF16, SD15, SDJU15, SAK18, STKH15, SP16b, SCS16, SHW17, SF16, Str17, SP16c, SK18, SSM+15, TCA16, TGY18, TK16, TC15d, VMM19, VV16, VBG+17a, Vre17, VDL15, VSP17, WCCB16, WSOW16, WHT18, XYPT16, XZZ15, XL17b, XR17, XS19, YCBC15, YSW15, YSWS16, YSWW16, YFJ17, YFJ18, Ys17, YM19, YCS+17, ZFPB16, ZLY15, ZB15, ZDGW16, ZW16, ZZZ17, ZHLZ18, ZQCT15, dJRP+15, dICGCA17, vdLJLV16, CWS18]. Simulation [FNP17, LLM17, TABR17]. Simulations [CBS18, Gan15, AWS16, ALM15, AT18, AG18, BZ19, BT17a, BLM19, BCD+15, BFI+16, BL18, BBB+16, BCB15, BI16, BPS16, BBW16, BL15, BMV17b, BLJ17, BLM18, CQG18, CM18a, CCBdL15, CEdL15, CDM18, CFT17, CS18a, CGJ16, CCC+16, CSK+16, CSB15, Cos16, CvKH16, DMAM15, Dav10, Dav15, DM16, DGI16c, DB16a, Dnl15a, DBC15, DBMB15, DD16b, EMM+18, EFHZ17, ED16, EH18, Fan16, FHS17, Fed17, FPASS16, Fer17, FH15, FHA16, FK19, GZM+17, GK19, GSL18, GDS+16, GBC+18, GJ15, GEZ16, GSS15b, HRJ+16, HBC+16, HWH+16, HTZG17, Hn17, HBA16, HLY15, HLY16, HLY16, HMRG16, Ido16, IG15, IM16, ID17, JSP16, JYY18, JKL17, KQB18, KHTZA16, KL16, KZR15, KG15, KRR+18, KSI17, KV16, KS16d, LM15a, LY15a, LKK17a, LBZA16, LMB18, LWL18, LG17]. simulations [LHY17, LZF+17, LZ17, ML17, MS16b, MC16, MD16, MBKTH17, MAH16, MSP15, MMW15, NddLPCC19, NCP+17, OLD+16, OSC18, PP18a, PN17, PP17, PDS15, PBC+17, RL16, RS17, RKH15, STH17, SS15b, SMD18a, SK17, SSA17, SWH15, SMO+17, SLD17, SMAG17, SSL+16b, SHP+16, SKC17, SR18, SAOW17, TBC+16, TLH15, TPT16, dCPDC+17, TRL15, TS17, Tou18, TSR15, WV17, VKE+18, VBF15, WTS+17, WGD17, WKSS15, WRL18, XWW+16, XRX18, YC16, XDY+16, ZV16, ZYW16, ZN18, Zil15, ZPE+16, ZRE16, dLGT+17, vdKK16, PD17, PEVG18]. simulator [VBG+17b, WLC15]. simulators [MRA16]. simultaneous [CB19, GGW17, SL+18]. Single [FCW+18, MT18, PS17, ZY17, AJP15, CFSN18, CFST16, DG18, DPK17, Hig17, JZ16, LFDP16, RMK15]. single- [DG18, LFDP16]. Single-cone [PS17]. single-event [Hig17]. Single-mode [FCW+18]. Single-node [Z17]. single-particle [DPK17]. Single-phase [MT18]. single-stage [CFST16]. single-step [CFST16, JZ16]. singletrace
[JHPAT17]. singly [ST17]. singular
  [EG17, GRMK15, MW15, NL15, POSB16, SO17, Tsa15, Tsa16, WHCN17].
  singularities [SDW16].

  [FQZNZ18, GZ17, OvdHVH16, Pru18, ZSL+19]. singularly [CAA18]. sinks
  [RRL19]. six [PS14, PS15a]. six-equation [PS14, PS15a]. sixth
  [CCM17, HC18a]. sixth-order [CCM17, HC18a]. size
  [CS18a, EMSS17, LN17]. sizing [GPAO+18]. Skeletal [DDM18]. skew
  [GWE+15, ROS17]. skew- [GWE+15]. skew-symmetric [RÖS17]. skewed
  [OS16]. skewness [BMC18a, DvW15b]. sky [BPF+16]. slab
  [Sch16a, Sch16b]. slabs [DBD+17]. SLEIPNNIR [PC19]. slender [LC15].
  slice [YSC+17]. sliding [ZL15b]. sliding-mesh [ZL15b]. slip
  [BC18b, HGW18, KLFS15, LM18, SWLW19, YS18b, dDPG19]. slope
  [GK18, KH17, Xia15]. slopes [ST16]. sloshing [ABT16]. slowing [CLL17].
  slowing-down [CLL17]. slug [KL18b]. small
  [BFP18, CR17, CHE+17, DH18a, Gam15, KS15a, Par18b]. small-angle
  [CHE+17]. smallest [ZC18]. Smoluchowski [MST15, MZTS16, SWK18].
  Smooth [ii15, SGT17, YK15, BG19b, Cap18, FQZNZ18, GS15a, ii17, MM15,
  RF18, SGT16, TLB+18]. Smoothed [FRO17, KRK+18, MDL16, MFG15,
  TP16a, AF18, BLK15, DDR+15, Iwa15, LS16c, LSR16, MPR+18,
  ML16, NT15, PKP+17, SMT+16, SE15, TOR+15, TPB16, ZHA17b].
  smoothers [YM17a]. smoothing [CC16c, OSP17]. smoothness
  [HC18b, KC18]. snapshots [URL16]. Sobolev [CM15, CGM18]. soft
  [LHY+19, WSU+15]. soft-X-ray [WSU+15]. software [YZW+18]. solar
  [HGR16]. solid [AASRT17, AGBL15, BJWZ17, BLG+16, BB15, CH17,
  CLM15, CLFL17, DBD+17, HW15c, HW16c, KTK15, KLC18, LZ15b,
  MAK15, MPR+18, NFG15, PAL+16, RHS18, SDM+17, Tre16, VM15,
  WCVF16, XYF+17, YK15, YS15, ZLY15, ZDGW16, ZW16, ZQCT15, aKT16].
  solid-air [DBD+17]. solid-liquid [BLG+16, HW15c, HW16c]. solid-solid
  [KTK15]. solid-state [BJWZ17]. solidification [BGJ+15, OTS17, RKR17,
  RTO15, TYD16]. solids [AA16, BHK516, DLY17, DPR16, DD16b, GSH18,
  Heu17, QSB18]. solitary [AEAM15, SS17c]. soliton [LY16d]. solitons [MW16a]. soluble
  [BGN15, SCJ+18, XSL18, dLGT+17]. solute [BGJ+15, SZCL18, YM17b].
  solute-solvent [SZCL18]. Solution
  [CLP16a, KE15, LHS+18, NLFM16, ASB+15, ATF16, And16, AB17, AKM+19,
  BHL15, BN15M, BBP+17, BK19b, BFFB17, BGV17, BDKK17, BVM16,
  BLVC16, BLVC17, BDBEE15, BCB17, BTT18, CPV16, Cha16, CHM15,
  CFF18, CLMZ17, DGH17, DMM15, EMM+18, EAA15, Ewa18, Fal16,
  FG18, GMP16, GP16a, GN16, HE15, HO15, HP17, IGQ15, JHPAT17, KA15,
  KF17, LW15a, LWYW18, LB16, LMTC15, MMN16, MRM16, MRN17, MR16a,
  MPFL16, MFB18, MSH+15, NH17, NPRC15, NKN+17, PBA+15, PRL15,
  RMP18, RSH18, RZ15, SZ15a, SR16, SWZ15, SW16, SWPS17, SPRW15,
  SL16b, SV17, TK15a, TD17, TM15b, TO15, UWH17, VSM17, VST16, WAC15,
  WL18, WBB16, WSH19, WZR15, YSY17, ZSP15, ZLL16b, ZCL17, ZLL+17b].
solution-filtering [EMM⁺18]. Solutions [Gno17, AEAM15, BSWG15, CGTH18, CSN18, GS15a, GIF18, GS15c, FY15, HPY18, JL16, LZ17b, MN18a, MKYZ17, MM17, NDCB17, PX16, RPK17a, RDM15, RMC15, SWZW19, Sub15, Svä15, VB16, VG18, VCN18, WD⁺17, WSJY16, WBM⁺15b, YK15, ZLL16b, ZLL17a, ZHS18, ZZX16, ZS17, bWAW15].

solvable [HW15a]. solvated [YX15]. solvation [GZ17]. solve [ALTR17, CE17, Chu17, DLK17, DYL19, DBMB15, FQZNZ18, LZ16, LYPP17, MD18, MR17, PMF⁺18, RY18, SLZ⁺17, TBHG18, WYHP15]. solved [KW15b, LFRH17]. Solvent [EG18a, SZCL18, ZRT18].

Solvent-Excluded [EG18a]. Solver [ABG18c, APV⁺18, AGBL15, Ama15, AAD16, AB16b, AdSS⁺15, ABT16, AC17, ANL⁺16, Bal15, BAGK16, BK16a, BVC⁺16, BN17, BLM18, BDK⁺17, BP18, BWR15, CBB16, CBC⁺18, CM16a, CG18a, CGP16, CTM⁺16, CRZ17, CM18c, CLP16b, CCWH17, DWG⁺16, DY16, DS15d, DL18b, DB16b, EJMI18, FGLW18, Fer17, GRT18, GWC18, Gr15, GFW16, Har18, HY16, HSF17, JZZ18, KE17, KC17c, FKW17, LTB16a, LK15, LZ17a, LLLNS16, LSTkM15, LDG16, MS15b, MH18a, MHL17, MM17, NCT19, NN16, NN15b, OC18, OVP15, PKF16, PR16a, PCBG18, Pop15, RCF16, SKP⁺15, SHL15, SP16a, SYY16, STW16, SYM15, SM19, SPW18, SGD18, SC16, St16, SL16b, SST⁺15, SK15b, TCS16a, TWH15, Ter18, VLP⁺16, VKE⁺18, VNA15, VSC18, WY17, WSY15, WHT15, WS16, W15a, WCCB16, WHT18, XJ16, YSW15, ZHA17a, ZG18b, ZBZ⁺18].

solver-based [BK16a]. solvers [BSK15, BD15a, BTGM17, BK17, BVTM18, BK19a, BAV17, BC16c, CDC17, DS15b, DG16a, DWR18, DL18c, EKV⁺16, Ein19, Jou15, LP16, MV16, MM16c, NMM19, PA19, PP17, SW17a, SP16M, TKF⁺15, VB16, XRM15, ZAK15, ZSL⁺19, dPSS16].

Solving [BG19b, GMP15, GMS16, GLTG15, IKS19, KR17, MBD15, AR16a, Alm19, ADH⁺16, ADP⁺17, BM15, VMN⁺18, BZ15, CG18b, DLNR18, EE16, GSN16, GP17, GB16, HW16a, HH15, HF18, HHY15, IK15, KKL17, KD1L, LMS17, LM18, LW15b, LC16, LK16a, LJ18, Lot18, LZW⁺17, LS16, MW16b, MW17a, M15, MLMM17, MBM⁺15, Noc15, OL16, Px17, PK18⁺, PLR18, PPPK15, RPK19, SNK18, SWLZ15, SS16b, SWK18, SS16c, SH18, SGT16, SGT17, TSH17, TP17, TBO⁺16, Vab15, WR15, WX15, WA18, XL16, YHKPF17, YJB18, YM17c, ZK16, ZD15a, Zha16, ZG18a, ZQ16a, ZQ16b]. SOMAR [SS15a]. Some [FLW16, hGwSzS15, FSWW17, GFO18, KD17b, Pas16]. sonar [EFHZ17].

source [AS⁺15, ADOP18, BCB15, BT16, DH18a, DMT15, EG17, FQZNZ18, GKN17, HS18b, NMM16, NLK⁺15, NL17, RTG18, RZ18, SY17, Tow18].

sources [BM19, POSB16, RRL19]. Space [PCF15, SWHV16, VLN⁺18, AS15, AP16, ATZ16, AHKT17, BCST17, BHJ18, BZ15, BK18, BHE⁺17, BW18b, BT15, CLZ18, CV16a, CCWH19, CG18, DM17b, EHXM15, Fid17, GLW18, HKP16, Har18, HLML17, JW15b, JW16, JX15, JX17, KL15, KL15RT, LS16b, LW17, LS117, LC16, MD17, MN18a,
MRZG16, MDDM17, PD16b, SWZ15, SWLZ15, SW16, SWPS17, SW18b, SX15, Tav16, TD16a, TD17, TD18, VGF16, VSC18, YYN+17, ZJL16, ZBZT17. space- [LCF16]. space-angle [KL15]. space-charge [AP16].

Space-fractional

SiI16, SiI17, VM15, VL15, ZBH+18, ZD15b, ZHA17a. sphere
[BKKJ17, BMC18a, CT15, Cap18, DFM17, GP16a, GPS17b, HSM19, HK16a, iI15, IDSG15, KBK15a, KC17a, KGT15, LP18, MJ16, SP16a, SW18a, SGC18b, SMD18b, SHW17, WBBC16, WVC16, XWB15, YSW15, YP17, Zau16, ZL15c]. Spheres
[HHK15, CV18, IML15, MS15a, PGCG18, SGN16, SFP16, Vre17]. Spherical
[HHK15, CV18, IML15, MS15a, PGCG18, SGN16, SFP16, Vre17]. spheroidal
[HXB15, CT15b, TKF17, WLM15, YGJ18]. spinning
[AMM+15, CWJ18]. spinodal
[Tav16]. spin
[TPTT18]. spinning
[AMM+15, CWJ18]. spinning-based
[tEDKT17]. splines
[CZBC+18]. Split
[GWK16, AMH+18, DGW18, GKK18a, GKK18b, HZL+15, HMRG16, KTK18, MS15b, MMB18, SWHK15, WMM+18, BM15]. split-step
[HMRG16, BM15]. Splitting
[SLL17, ZTT+16, AMP16, BNK18, BCM15a, BND16, CGQ18, CSS17, CSG18, CJI16, CLZ18, CKQT15, CLX15, CEF15, EO15, FYO+15, GO16, GKA17, GZ18, HTBG15, KKS16, KO17, KV16, LSL15, LZL+17, MM16a, MLM18, PL16b, PGM17, PMB18, QHZ+15, RFPSSA18, RS15b, Rua18, SY16, SLL16, SX15, TT16, TL15, VST16, tEDKT17]. splitting-free
[KO17]. splittings
[BMT16]. spoof
[Fuj19]. spray
[DAO17, MZ15]. sprays
[SDM+17]. spreading
[BDG+17, JJS15, LW17]. spring
[iI15, iI17]. spurious
[AAL15, MSG18a, MLB18, ZW15]. squall
[MG15b]. square
[JL15, MH19]. Squares
[CNW17, NW17, BVC+16, BTB18, Blo17, CBA17, CZL18, LY18, LJ16, MAP17, SX16, SDL16, TMW18, TMH16, VLN+18, ZNX15, dTP16]. squares/fictitious
[HGW18]. squircles
[LB15]. sSSA
[DJLQ18]. Stabilisation
[XRM15]. Stabilised
[SL17, EKE16, Fer17]. Stability
[ACJ17, ANI19, CSK+16, DDV18, GSS15a, KL16, MBJ16, MBNJ16, SwS16, VBG+15, AA15, Ata15, BK17b, BK19a, BR15b, BR16, DLS15, DKK15, FWK17, GR15, LH17a, LS16a, DV17, MF16b, NR17, O'S15b, PJC16, Ram18, RS15a, RS18, SSZ19, SC18a, WSH+17]. Stabilization
[Sov16, ALMJ15, BTD16, BK19b, BNK18, BC16a, CLGA17, DRM15, EMM+18, Kla15, LW17a, MS18, Mas18, SF18b, Ter18]. Stabilized
[ASS13, ASS17, DJLQ18, MNG15b, SSC+16, STV18, BHF15, DGM17, FMPT18, HMF18, MVK16, SDMS17, SL18]. Stable
[AMH+18, BGN15, BJK17, CNG99, MDT16, SKP+15, Sto17, WF17, ZN16, dSPD15, BHST17a, BHST17b, BHS17b, BHS17b, Beg15, BCD17, BC16c, CNG17, Cha18, CW19, CAY15, CS16c, CSG17a, sCYX+18, CLS+18, CKQT15, CLV17, CHD+18, DC18b, DWGW16, DWGW17, Don15a, DS15c, DB18, FLC17, FFJT16, FP18, GBC15, GBC16, GHL+16, GGT18, GTG15, GX15, HW15a, HHR15, HN17b, IC17, LT16a, ML18, LHB+16, LSZ18, ML17, MBH17, MDM18, MXL16, MTD15, NN15a, NN17, NL18b, OLD17, PC15a, PC15b, PND16, PPK18, PMB18, ST18a, Sw17a, SLH18, SPB18, SY15, SLL17, Tav16, Tie18, VV16, WJD16, WVG17, WVG18, WG15, WG16b, WDGW17, WCC16, WS17, Xia15, YC17, Yan16b, YH17, ZYS16].
Stage [PP17, BJO18, CSS17, CFST16, DL18c, FPASS16, LJT17, PXLL16, RFPSSA18]. Stage-parallel [PP17]. Staggered [CCKQ15, AB17, CCM17, DDJ19, GH17a, GZH19, KSSL18, LHMB16, LWGY18, LMMS16, LCF16, MO18b, OLDN17, SO15, SZF15, TLQ15, TD16a, TD17, TD18, TRKL18, VV16, Vre17, Wil18, YYL16]. staggered-grid [GH17a, LHMB16, LWGY18, SZF15, YYL16]. staggered-mesh [Wil18]. standard [Fan16, FST15, STG17, VV17]. stars [Lau17, RLP16]. started [GWC17, SHW17]. state [BJTZ15, BJWZ17, CGTH18, CKK18b, CZL18, CCM17, CMW16, EFT15, KT15, KS18b, L17b, MC15, Noe15, SE16, SWZW19, TY16, TST17, TCL15, XZT18, ZL15, ZZX16, ZS17]. state-based [XZT18]. states [ATZ16, ALT17, GLZ16, GZ18, LY17, OC18, PDS15, Rua18, RKH15, SWZ17]. Static [AF18, DG16b, FCL17, KKL15, KPJ18, RSB15]. stationary [ACC17, ALT17, DCKB15, LZ17a, LY15, RRL19, TSST16, ZFP16, ZL15b]. Statistical [LKK17b, RS15b, CSN18, PRvdL18, RL17, VCNG15, ZLX17]. statistically [CM18b]. statistics [DY16, FKF17]. Steady [TY16, AD15, CV17, CGTH18, C2518, ZL18, CCM17, DKPC15, DDV18, EFT15, HY16, JL16, KA18, LL16b, LW18, LZ17b, MC15, MH18a, NdlLP19, Noe15, PQR17, R15, SE16, SWZW19, TST17, XRM15, ZL15, ZZX16, ZS17]. Steady-state [TY16, CGTH18, CZL18, CCM17, LZ17b, MC15, SE16, SWZW19, TST17, ZL15]. steep [SWMD17a, SWMD17b]. Steepest [MH18b, TP16b, FSWW17]. Stefan [Gro18]. Steklov [DV15, HS17a]. Stellar [Lau17]. stencil [GEZ16, PG18]. stenotic [GKZ18]. step [BH18, CC15, CFST16, DvW15a, DL18a, EMSS17, FW18, HPY18, HC17, HMRG16, JZ16, MBSS15, PK18, SP16c, V15, WBM15a, BM15]. Stephen [ZJS15]. stepping [BDZ15, CLvS17, CLP16b, DNB15, EAR15, GSK18, LW17d, LWY18, MM15, Par18a, Q16, RGS17, Tav16, Tiel16, Y018, Y18, ZZD18b]. stepwise [ARG17]. Stiefel [BDT16]. stiff [BP18, CB15, CTM16, HS18b, LTR17, PBK17, SXBB15, SYM15, TST15, TM15b, ZW15]. stiffly [RT16]. stiffness [AM17b, WHCN17]. Stochastic [AM17, BHS18, CL18, CHLZ17, HKJ17, LPW15, PTMF18, RL18, SE16, ATM18, ADH16, AAP17, BCS17, BV18, CHZ16, CSN18, Cot14, CMR16, Dav10, Dav15, DH18a, DJ19, DEZ16, EDC16, GH17b, HFN18, HHG15, HMB15, HJZC17, HL15b, HJ16, ISS18, JL15, JL18b, JL17c, JS17, KM17, KKL15, KK17b, Kou16, LYL17, L15, LIT17, Liu19, LLM15, MPT16, Moh15, MB18, NW15, Opp17, P16, P15, SSD15, SS18a, ST15b, SGA15, TST15, TPT16, TT15, TAJ17, VLAB18, VCNG15, WN18, WHCN17, WH16b, WTX17, XZ15, Y18, ZL17, dLGCA17, AGCR15, HSB16]. Stokes [CDN17, HTMP17, TXKvD15, TXKvdL16, AD15, ALK16, AB18, ALL18, AB17, BTD16, BC16a, BTB15, BLJ17, BPD19, BHF15, BC16c, BC16d, CGS18, CHOR17, CS16c, CYL16, CYY18, CQK15, CR17].
CV18, CCM17, CLP16b, Du18, FWK17, FBW16, GNK18b, GTG15, GMR18, HPY18, HW15a, HTFL18, HM16b, JPSX18, KML18, KLGO18, LM18, Ler16, LXC+15, LZB+17, LT17a, LHMB18, LM16, LY16a, LRG018, MS18a, MS18b, MLM18, MPFL16, MS18c, MS17, MBBKTH17, MHS16, MR16b, MN18c, NL15, NN19, OT15, OvdHVH16, PG17, PXL16, PX16, PJC16, PCN15a, PCN15b, Pea15, PND16, PDRB17, PBBK15, PMB18, RDM15, SHLG15, SMS16, SLB+16, SLY16, STG17, SE16, Stü15, Stü17, SZCL18, Svä15, TD16a, TD17, TMH18, UL16, WY17, WR15, WZ18a, WCVF16, XWW+16, YC17, YS18b, YTW15, Zha17c, ZLFW18.

Stokes-like [GSMR18]. Stokes-residual [BC16a]. Stokesian [LRZ17, WB16]. stokeslet [Smi18, Cor18]. Stokeslets [CV15]. stopping [RMP18]. storage [CB15].

straight [LBZ16]. strain [LK17, LHY+19, SY18a, TBO+16, WS16].


strong [AHHC18, BJK17, CLMZ17, ESGS17, Guo15, RS16a, SYY16, Stü15, XLL+17]. strong-constraint [RS16a]. Strongly [WE15, ANL+16, CLS+18, GC17, Iwa15, LGH+18, SDM+17, TW17, Tsai15, Tsai16, SY15, Zau16]. strongly-coupled [GC17, SY15]. Structural [ADE+17, BQCG17, MN18b]. Structure [CCP19, SKO18, BD15b, BVG+16, BN17, BHKS16, BQCG17, BCM15b, Buk16, CGSS18, CBBC+18, CM16a, CDMA18, CQL+17, CM16b, CYWL17, DG16a, DG18, DFGQ16, DMSC16, EKSS15, ED16, FW18, FLV15, FLT17, FRW16, GLS15, HDF18, KKP15, KLC18, KC17c, LT16a, LKB15, LC15, LHS+18, LMC16, LLLJ18, LHY+19, LGD17, MD17, MRZG16, MMMS15, MA18, MKV+17, PdDG+17, PHO+16, PD16b, PME*15, RO16, RLP16, Say17a, Say17b, SMP16, SMA+16, SPM+15, TRLK18, WCH+17, Wic16, WHZ18, XTYL18, YXF+16, ZC18, dTP16]. Structure-preserving [SKO18, CQL+17, MD17]. structured [Bal15, FGLW18, FLHA17, GBR15, i15, LS18, MSD+17, PF15, RSB16, WHE18, XWZ+18, YFKS15, ZJ18].

structured/unstructured [XZ+18]. structures [BC18a, BB15, CGSS18, CWWZ17, DCA+16, DJV+18, FBG15, GC17, GBS15, KML18, KH18, LDL+16, LSS16, Liu16, MHJ15, NJ15, PEVG18, RNP18, SSL+16a, SWZ17, TBLM15, VCPN18, ZHWQ18, ZBZ+18].

studies [DD16a, EH14, EH15, XS15]. study [BTA17, CX15, CCZ15, DNOP15, DLS15, ED16, HMA16, Hu17, KMD16, KGS17, LHY+19].

Symmetric [LIW18, BBF+17, GPRA18, GL17, LMC16, Loh17, RÖS17, RZ17, MRRRF18]. Symmetry [PLL+15a, LWLC17, OV17, VW16, VW18]. Symplectic [EBQ15, MW17a, SCN+17, Web14, ZJS15, CHZ16, CQL+17, CHLZ17, GAN+16, GZY16, LW15b, SL16c, Tao16, TPTT18, ZZT+16]. Synchronized [LK16b]. synthesis [KH18, MCS16]. synthetic [KH15, SG18]. system [BMT16, BZ16a, BPTA16, CCZ15, CV15, DDD17, DL18, DLMV18, EL17, FDS+15, FS15, HK16a, IM17a, KKS15, KKS16, KLGO18, LCK16, LMKS15, LMSK17, LAEK18, Liu19, LLLN18, LRGO18, MDVM16, MN16a, MRN16, MP16, NBH18, SHLG15, TC15a, TKC15, VLAB18, VLN+18, WCF16, YM19, ZM16a, ZWYW18]. Systematic [LYLK17, MPP15]. systems [ABGR18, ABR16, BN17, BT16, Blo17, BW18a, BV18, BDV17, BRK17, Cac15a, Cac15b, CGS18, CFG16, CB15, CTJ+17, CQL+17, CLS+18, CLM15, Cos16, Cot18, DL18a, DB16b, EBQ15, EFT15, EJM18, FDK17, FOF15, FB15, GAN+16, GKS17, GS18, HKKP16, HM16a, JL18c, KBK15a, KNS15, KM16b, KML18, LMS17, LS15b, LPB17, LYZ18, LXL17, Lia16, ILNS17, LSP+18, LJT16, LW17c, LPBR15, MSK18, MW16b, MW17a, MMR18, NMA15, NL15, NW17, NW15, NN16, Nor15, PxRS17, Pan15, PT17b, PSP16, RRL19, RZ17, RB15, SS18a, SL18, SMS16, SPP16b, SSM18, SS18c, TWW15, TPT16, TT17b, TZSS17, VNA15, WN18, WE15, WCN15, WHT17, WW18, Web14, WTX17, YS18b, ZJS15, ZD15a].

[Heu17, KYKS19]. thermostats [Dav10, Dav15, LS16a]. thermoviscous [DSS18]. thick [BPGS16, SP16a, SMA+16]. thickness [DGHP17, dTP16]. Thin [Pes15, AASRT17, AJP15, DGHP17, Fuj19, GLS15, GC17, JTR16, KHP17, LVB+15, MTK15, QYF15, SF18a, Xia15]. Thin-film [Pes15].

thin-walled [FLV15]. THINC [LH17b, QWX18, XX17].

Third [CHY16, GZY16, HW16b, WKPS18, CC15, CHJT17, DY19, MN15, NL17, PX16, VK16, ZLFW18, ZQ17]. Third-order [GZY16, HW16b, WKPS18, CHJT17, DY19, MN15, NL17, PX16, VK16, ZLFW18].

Three [AEL+15b, Ball15, BGJ+15, GS15a, LMSK17, ABI17, AB16b, APT17, AJW17, BHST18, BKP16, BOA17, CWF16, CC15, CP16, CZJ17, CB18b, CGRV17, CM18d, DS15a, DS15b, DwW15b, FB17, FST15, FPDT17, GGL+17, HN17a, IDSG15, IM15, JGS16, KP15, KA15, KCW17, KSVB18, KS15b, LGO17, MHL17, PHHR17, PCN15a, PCN15b, PR16b, RVZB15, RG15, RDG17, RKRGW17, Rod18, SSVL18, SHKL16, STW16, SSA17, TD16a, TSB+18, Tre16, Vee16, VCNOP18, WSY15, WHY17, YSW15, ZLY15a, ZYW16, ZW16, ZCL17, ZL15c].

three-component [STW16]. Three-dimensional [AEL+15b, LMSK17, AB16b, APT17, BOA17, CP16, CZJ17, DwW15b, FPDT17, GGL+17, IDSG15, IM15, JGS16, KP15, KCW17, KS15b, LGO17, MHL17, PCN15a, PCN15b, PR16b, RG15, RDG17, RKRGW17, Rod18, SSVL18, SSA17, TD16a, TSB+18, Tre16, VCNOP18, WSY15, WHY17, YSW15, ZL15a, ZYW16, ZCL17, ZL15c].

three-field [CWF16, CC15].

three-material [PR16b]. three-phase [CM18d, FB17, GGL+17, ZW16].

Three-point [GS15a]. three-scale [ABI17]. three-temperature [AJW17].


Time [ALO18, AMP16, BOA17, BCB15, BG16a, DOO17, FM15, GKNA17, KBK15b, LH17, MM16b, MM15, MH19, MMMS15, MDP18, SPB18, TRL15, Yi18, AM17a, AW16, Ali15, APT17, ATF16, ADHN15, AR16b, AEAM15, AHKT17, AW17, Atai15, BJ018, BHL15, BZ16a, BG19a, BZ15, BDBEE15, BK18, BCM15a, BSP18, BHE+17, BSWG15, BNFNDN18, BDZ15, Bre18, BC16c, BTWY15, CR17, CcdL15, CGS18, CXX15, CLC16, CHY16, CX16, Che18, ClvS17, CoddL18, Chu17, CLQ17, CLPA16, CC16c, CLPA16, CGGH19, CLMZ17, Cu15, DKPC15, DNOP15, DNHB15, DvW15a, DM17b, DGL+15, DL18a, DSSP18, DLL+17, DL18c, DBMB15, EMM+18, ETA15, EARA15, EN17, FW18, FBL17, FLV15, FJLC18, Fid17, FN17, GAN+16, GSN16, GSS15a, GS15a, GZY16, GFC18, GMP15, GP16a, GSK18, GH15, GH+16, HW15a, HB16, HEFG15, Hig15, HL16b].

time [HLML17, HSC16, HTBG15, IK59, JSP16, JLLZ15, KKP15, KNS15, KJP18, KLRT15, LH16, Ler15, LZ15a, LZ16, LWY17, LWJ18, LNS17, LW17d, LW18, LW18, LY19, LCF16, LMM17, LPR19, MBSS15, MN18a, MWD16, MAM16, MP15a, MPR18, MM17, MH17, NBT19, NHA18, NDCB17, Nor15, OB17, PLC18, PLHA18, Par18a, PHRA16, PT17a, PTMF18, PME+15,
transformation
transformed
transforms
transient
transformation-line
Transparent
Transport
Transport-line
Transparent
transport
transported
transpose
transpose-free
transverse
Trapezoidal
travelling
traveltime
Treating
Treatments
Triangular
Triangular
transport
transport-velocity
transposed
transverse
Tucker
Tumour
tunable
tune
tunneling
tunnelling
turbine
turbomachinery
turbulent
KM15, LE16, LZB+17, LHMB18, LDHJ15, MM16a, MP17, MRK15, OVP15, PM16, PGGW18, PEVG18, PWP15, RWG18, SWS+18, SK18, TKP16, UG16, WG16a, WMYG16, WSN+15, XWL+16, XS19]. TVD [Sid18, BR15a, Dw15b, Heu17, ZJLC15]. Two [CHCC18, JSY15, LEB+17, RMA17, SAH17, Vab18, ACGR15, AASRT17, AA16, Ama15, ACJ17, Ani16, ADOP18, BJ018, BAGK16, BVG+16, BHJ18, BXY17, BGN15, BH18, BAVC17, BLS16, BHM18, BTWY15, BKKRB16, CSN18, CPT16, CDM18, CS16a, CGK17, CCZ18, CLZ18, CCZ15, CS18b, CS17b, CG16, CM18c, CLM18, CYWL17, DS15a, DS15b, DG18, DCA+16, DLM18, DGMT17, DG16c, DL17, DHH+18, DvB17, DL18c, EHL18, EdvW17, FR18, FGL16, FS16, FS17a, FG19, GZ17, GN16, HHA15, HTFL18, HN17a, HML17, HM16b, HTMP17, HC17, H15, ID17, IGQ15, JPLL15, JS16, JS17, JJ18b, K18, KM19, K17a, KG17, KS16c, KS18b, BV15, LV18, LP16, LMC16, LPR18, L17, LLS16, LLS17, LSD+17, LD15, LSTK15, LDGH16, MNG15a, MA19, MDDM17, MD18, Mue18, Ni16, PL16, PxRS17, PL18, PSB+18, PM16]. Two [PR16a, PAL+16, PS14, PS15a, PG17, PSV18, QYF15, RWG18, RV16, RTG15, RZ15, SG18, SHLGL18, SHA16, SRBB18, SYM17, SX15, SWZ17, SJH+15, SLZ+17, SGP17b, Su18, TH18, TSH17, TND18, TT16, TBO+16, UWH17, VNA15, VSM16b, WRL16b, W18, WHE17, WFG17, W15, WKSS15, XSL18, XZT18, YSY17, YM17b, ZMF15, ZLI16a, ZS17b, ZBZT17, JRP+15, tEDKT17, YK18]. Two-channel [DG16c]. Two-component [GZ17]. Two-dimensional [JSY15, LEB+17, ADOP18, BVG+16, BLS16, BTWY15, CCZ18, CLZ18, CLM18, CYWL17, DCA+16, EDvW17, FS17a, HTFL18, IGQ15, LPR18, LLS16, LLS17, LD15, MDDM17, PxRS17, SG18, SX15, SWZ17, SLZ+17, TSH17, TBO+16, VNA15, VSM16b, WRL16b, W18, WHE17, ZMF15, ZLI16a, ZBZT17, YK18]. Two-field [CS16a, XZT18]. Two-fluid [AA16, Ama15, BAGK16, FG19, LDGH16, Ni16, RTG15, SJH+15]. Two-grid [ACJ17]. Two-group [JPLL15]. Two-layer [CS18b, PM16]. Two-level [Vab18]. Two-miscible-layer [SHL15]. Two-node [JPLL15, SGP17b]. Two-particle [PSV18]. Two-phase [ACGR15, AASRT17, Ama16, BGN15, BAVC17, BLS18, BKKRB16, CS18b, CDM18, CGK17, CS17b, CG16, DG18, DGM17, FGL16, HHA15, HTMP17, HTBG15, JS16, JS17, JJ18b, KJ17a, KS16c, KS18b, LV18, LP16, LSD+17, LDGH16, MNG15a, MA19, MD18, PL18, PSB+18, PS14, PS15a, PG17, RWG18, RV16, RZ15, SHA16, SRBB18, Su18, TH18, TND18, TT16, WKSS15, XSL18, YSY17, ZZ17b, JRP+15, tEDKT17]. Two-scale [SAH17, CPT16, LMC16]. Two-sided [BSM19, SYM17]. Two-species [CCZ15]. Two-stage [BJ18, DL18c, L17, PLX16]. Two-step [BH18, HC17]. Two-way [EHL18, HM16b, ID17, Mue18, PAL+16, QYF15]. Type [AA16, AJP15, ADOP18, BG19b, BDZ15, BTVC16, CC17b, sCYxL+18, DG16a, DL18c, GT18, HHY15, LDGH16, LHQ16, MD18+15, RMK15, Rod17,
\[ FRRV16, AGBL15, ABH18, BZ19, BK19b, CKK18b, Fun16, FS18, HC18a, LMK15, LAEK18, Mat17, MO18b, YFJ18 \]. upwinding [Sub18]. UQ [TB18]. Use [MTL+17, VBG16, BT17a, DA17, DCCC16, FG17, HS17b, LSWF16]. Using [CG15, KV16, SNB+15, ATM+18, ADGN17, AMJ17, AZK16, AN15, ATF16, ABT16, BVM+17a, BCSK17, BJRF18, BCST17, BD15a, BK17b, BK19a, BST+18, BJ15, BDKK17, BNV18, BAVC17, BLS16, BRW15, CR17, Cap18, CBS18, CI17, CC17b, CE18, CZB15, CZ17, CWWZ17, CCK+18, CRMP16, CLL17, CEL18a, CSK+16, CLM15, CV16b, CLP16b, CCGH17, CCGH19, DD17a, DD15, DG16a, DSH+16, DJV+18, DPO16, DC18a, DMS17, Dot17, Dom18, EST17, EGG+15, ECC18, Eta18, EDvW17, Fan19, Fid17, FGLB16, FBM16, FP16, FSB16, FRRV16, FN17, FVC+18, FKY15, Gam15, GBvR18, GRS15, GBS15, HED+16, HB16, HLL+16, HX16, HW16a, Hu18, HLQ16, HLL+18, Hu15, JW15a, JES15, JL18a, JL18b, JWH16, KAR17, KW15b, KK17a, UKHGK19, KZ15, KZ15b]. using [KDPK15, KS17, LMH16, LT16b, LDO17, LPG18, LY18, LWL17, LT17a, LMBZ15, LHY+19, LSR16, LC17b, LT17b, LVL18, LMG17, LSI16, LBB+17, MBSS15, MM16b, MNG15a, MG15b, MH19, MPP15, MTJ18, MC17, NDLPCC19, NMM17, NCP+17, NLK+15, NSL16, Nor15, OLHD17, OKE17, PKN17, PP17, PD16a, PKLS17, PR16a, PGW18, PS15b, PF15, PD16b, QLS+19, QLF16, RP17a, RPK17b, RC18, RS17, RVK17a, RVK+18, RPL+18, RPC+18, SG17a, SSVL18, SS17b, SAK18, SRBB18, SW18a, SPB18, SFT16, SWMD17a, SWMD17b, SCQ16, STW16, SLL17, SD17+17, SW18b, SWV16, SC16, SGT16, SHP+16, SS17c, SD18, TK12, TK15b, TND18, TVB+16, Tou18, TO15, TBLM15, VLAB18, VSM17, VBL+16, VLN+18, WWR17, WB16, WS15a, WF17, XL17a, XP15, YY17+16, YSC+17, YCP17, YCF+16]. using [Yan17, YL16, YC16, ZS16, ZB15, ZD17, ZJ18, ZZPH18b, ZZPH18a, ZN15, aKT16, dPSS16, dlAC17, vdBDK17]. utility [VWV17]. Uzawa [WSF17].

v [CBA17, TCS16a]. vacuum [CSY15, NOM+17, SR18]. valid [RKO17a]. Validation [ION+17, SMA+16, CDD19, DJ19, FOF15, GPS17a, GG15, MML17, MPP15, PT17b, RBY19, SHP+16, SS17c]. validity [JG15]. value [BDB18, DGHP17, Die15, D2C16, KADE15, PHHR17, PG15, WZ15, WL18, XM18, ZG15]. valued [LM15d, Tav15, WF17]. vanishing [MK17, MSP16]. vapor [BG16b, DD15, FMR217]. VAR [FDS+15]. Variable [CWL+16, SHP+16, ABT16, Ata15, BDA+18, BFN18, BTT18, Cui15, EJMI18, EMS17, GT18, HW18, JL18a, MS16a, Ni16, PP17, RVI18, Ran18, SP15a, SAK18, SXY18, SK18, TSH17, TPB16, WZ15, WW17, WKPS18, WSF17, YY17, ZK15, ZZSK15]. variable-coefficient [WZ15, WW17]. variable-density [EJMI18, SP15a]. Variable-order [CWL+16, TSH17]. variable-separation [JL18b]. variables
Variance-reduced [MWD16]. Variations [SIX16, BKL17, DLMDV18, ZC15]. Variational
Kou16, KTG16, PK17, WRPL17, ZC15, ZSX17, ADP+17, CZBC+18, CZB15, EBO15, EE16, FPDT17, FG18, FKDL17, FPV18, GAN+16, GS15c, GM16, GWE+15, HKKP16, HK15b, JJ17, JJ18a, JJ18b, KR17, LWLC17, LWL17, LJJ18, MCN18, MPR+18, MH19, RG15, RS16a, RWG18, SWML17, SD17, SSO+15, SWHV16, SSN15, YGEM17, YSY17, ZS16]. Variations [GS18, WT16]. Various [BMT16]. Vector
KBR17, BMT16, BGGM15, CLW18, CJL16, CX16, GKE15, HN18, Moc17, SE15, Tav15, WF17, YTW15]. Vector-potential [CX16]. Vector-valued
Tav15, WF17]. Velocity [SMS16, BLL19, BDG+17, BS15a, CSG17, CVG18, Fal16, HLML17, JQX15, JLFK17, LM16, MBST17, NF17, OMLdL16, RRM+16, SVG18, SW18b, ZHA17b]. Velocity-correction [SMS16]. Velocity-decomposition [MBST17]. Velocity-vorticity [BS15a]. Venant
LAEK18]. VERA [TCS+16b]. verifiability [GS15c]. Verification
WS15b, DDJ17, EKV+16, RWKW16, VBG16, VGZ18]. verified [RMBN18]. Versatile
SUR18, AMS17, TBC+16]. version [HZ15]. version] [HZ15]. versus [MM16a, MZTS16, PR17a]. vertex
AGBL15, GZLH19, MMB18, MF16a, ZSW17]. vertex-centered [ZSW17]. vertex-discontinuous-Galerkin [MF16a]. vertex/edge [GZLH19].
vertex/edge-based [GZLH19]. Vertical [YSC+17, YP17, CK16a, Mue18].
very [BZ19, GS18, HXB15, Lap16, NMM15, PP18b]. Vesicle [HLSY16, BLJ17, CJY15, GGT18, KQB18, PNZ15, QB16, SHKL16, Vee16, Vog17].
vessicles [RZB15, STKL19, TBL15]. vessel [ABT16]. vessels [Gam15].
via [ALMJ15, BJTZ15, VMN+18, BMS18, BLK15, CW16, CHZ16, CMW16, DLY17, EFHZ17, FS18, FPDT17, HKLZ18, HMRG16, Ike18, KM16b, KR17, KW16, LM15b, LM15c, MPR+18, NHA18, PK16, PHD16, PR16c, RÖS16, RTV17, RBD17, SW15, TG17, VST16, ZZ17b]. vibrating [ZMF15].
vibration [BPGS16, CLB+16, ZLH+17, ZC18, ZBZ+18]. vibrational
BHJ15, CVG18, WYLX17]. vibroacoustic [BC18a, TP17]. view
AJP15, Par15, Süt15]. Vinokur [GMD19]. virtual
BBB+16, CWW17, PJC16, TTN+16, ZZY19, TCS+16b]. viscoelastic
CC15, GSS15b, HM17, KSH17, LHMB16, MOAA15, MS18d, MLB16, STKL19]. viscoelasticity [YPK16]. viscoplastic [FNGV18, LEB+17]. viscoresistive
HdBH+16]. viscosities [BR15a, YI17]. viscosity
CM18a, CWS18, CJD+17, DRM15, FB17, FRRV16, HIN+16, LWB+16, MK17, MCN18, MG15b, MSP16, RVZB15, Rod17, Rod18, SHP+16, TLB+18]. Viscous
DPRZ16, LAA16, AMM+15, BST+18, BAD19, BLG+16, BKKRB16, CBS18, CJD+17, CX16, HEPG15, HGW18, HLS15, HDF18,
KDL15, LVTR15, LT15, LC16, LC17b, MS17, MCGS16, MM16d, NNW17, PL18, PPLC16, QSB18, QM18, RBJS15, RXSG15, RAMB15, SGMS16, SKF15, SWLW19, SST15, TGY18, Tou18, WTL17, Wil18, YSWS16, YXF16, YZZ15, ZZPH18a, ZYSW16, ZLGS18, aKT16].

**viscous-plastic** [WT1L7]. **visualization** [HIN16, KLA17, MBM18].

**Viskov** [QHZ15, BDM17, CQQ16, CGQ18, CCZ18, CCZ15, CGJ16, Cot18, CEF15, CLMZ17, DDD17, Del15, DCD18, EL17, Ein19, LY15a, MDVM16, RTG15, SG19, SC16, TC15a, TKC15, VK18, VSC18, WSJY16, ZG17]. **VOF** [CDM18, HDA18, MNG15a, PR16a, MMB18]. **VOF-based** [PR16a]. **voids** [BKS18].

**Volterra** [Moh15].

**Volume** [AGBL15, DG18, FB15, FPT17, HSLQ15, JBO15, Kat16, MDL16, NT15, RW15b, SAK18, SGD18, VW18, ABG15, APP16, AEL15a, AEL15b, ABT16, AMM15, AM17b, AKM19, BD15a, Bat17, BGV17, BLVC17, BLMY17, BTVB15, BLD15, BDZ15, BD17, BDM18, BHTT17, BKRB15, BFTVC18, CCS18, CCZC16, COV18, Cho15, CDX18b, CGP16, CSH15, CHS17, CCMI15, DCP16, DB16a, DMS17, DDH18, DV16, DL16, EKSS15, Eng18, EdvW17, Fs18, GOR17, GHL15, GLK19, HWK19, HSLQ16, Heu17, HMF18, HY16, Hu17, Iss15, IGQ15, IDSG15, IM17b, JME18, JW15c, JW16, KKH18, KW15b, Kla15, KS17, LDL16, LN17, LAL18, LX16, LL16b, LZ17b, LY16c, LJ16, LHGF16, MAK15, MDHC15, MH18a, Mmv18, MK15, MH18b, MSS16, MB18, NJPB17, Nis15, Nor15, PrxRS17, PL18, PHO16, PS16, PR16b, Pei16, PWP15].

**Volume** [QL519, RMA17, RKRGW17, RBL16, SPX18, SAEF17, SRBB18, SY16, SKO17, SLY16, SY16, SDH16, SKG17, SFP16, SDW18, Sub18, Tav15, TMT17, TND18, TVB16, Tso18, VSC16, WR15, WRL16a, WRL16b, WRPL17, XWL16, XV16, XL17a, XDS1X, XM18, ZCH15, ZZ17, ZG18a, ZSL19, ZQ17, ZXL17, vEKdB16, AAL15, BAVC17, CJ17].

**Volume-averaged** [BTVB15]. **Volume-of-Fluid** [JBO15, RW15b, SAK18, IM17b, LY16c, PR16b, KRRGW17, SRBB18, TND18].

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

**Volume** [Swe18, WN17]. **Volumetric** [Swe18]. **Voronoi** [FA17a, GLGT15, GP17, PLB18, YG18].

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**Waals** [PSS17].

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**Wakefield** [MAM16, YXD16].

**wakefields** [RMLvR18].

**Walk** [HHK15, ADHN15, BSP18, KC17b, MS15a, RFGSV15].

**Walk-on-Spheres** [HHK15].

**Walks** [NHA18].

**Wall** [Don17, CW16, CW17, CV15, HL15a, HHY15, MS17, NLI5, PM16, PCN15b, Stü15, SGP17b, VM15, YS18b].

**Wall-bounded** [Don17].

**walled** [FLV15].

**walls** [DCBK15, FNGDMR18].

**Waals** [PSS17].

**wake** [PEVG18].

**Wakefield** [MAM16, YXD16].

**wakefields** [RMLvR18].

**Walk** [HHK15, ADHN15, BSP18, KC17b, MS15a, RFGSV15].

**Walk-on-Spheres** [HHK15].

**Walks** [NHA18].

**Wall** [Don17, CW16, CW17, CV15, HL15a, HHY15, MS17, NLI5, PM16, PCN15b, Stü15, SGP17b, VM15, YS18b].

**Wall-bounded** [Don17].

**walled** [FLV15].

**walls** [DCBK15, FNGDMR18].
Walsh [Gno17]. Wang [FJLC18]. Warburton [AMP16]. warm [SP16c]. Wasserstein [CCWY18]. Water [NMM17, NMM18, SP16a, TK16, TM17, ABT16, BC18b, BFNGDN18, BHGK18, CV17, Cap18, CS18b, CSL15, CLB+16, CE17, CSCM16, CK16a, CDV17, DA17, DMTB15, EL18, EKEB16, FS17a, GP16a, G1F18, GCVMK15, HSM19, JJS15, KL18a, LMPS15, LPG18, LP18, LDWZ15, LMKS15, LY16c, LMSK17, MDPC17, Me18, NMM15, PP19, DM18, RW15b, Rtc15, SGC18b, SMSR18, SD16, TC15b, TS1+18, VST16, WWGK17, WWGW18, WG15, WBM+15b, YM17b, ZA15a, ZED15].

Wave [Luc15, MT17, PS15b, AMN18, ABP+16, AMJ17, An17, ABH18, ADOP18, BJO18, BHJ18, BNM15, BG19a, BDBEE15, BH18, BGGM15, BTT18, CZW17, CGM18, CDL19, CSG17, CQL17, DCA+16, DWG+18, DL18a, DYL19, DKK15, FS16, FKR16, GFG+15, GH17a, GFC18, GK19, GNS16, BFP18, MKYZ17, PKN17]. Waveform [NGS16, BFP18, MKYZ17, PKN17]. Waveguides [GTL18, RMLvR18, Tre16]. Wavelet [BDV17, DLK17, CWL+16, CYWL17, GBD+15, LAK+16, Moh15, NVBD15]. Wavelet-based [DLK17, CYWL17, GBD+15, Moh15]. Waves [MVK15, ABP+16, SWH16]. way [EH18, HM16b, ID17, Mue18, PAL+16, QYF15, SL16b, Ter18, TP17, TC15c]. Weak [DDJ19, KML18, Sva15, Fv16, FG18, KLC18, LY18, LTW18, MWYZ16, SD17, WYZ18]. weak-constraint [SD17]. weak-coupling [KLC18]. weak-perturbative [Fal16]. weakly [ALA16, CGM15, LM15a, MA19, PMS15, DM18, SHA16, SPP16b, Tsa15, Tsa16, VM15, ZHA17a]. weakly-ionized [PMS15]. Webb [ZJS15]. weight [CW19]. weight-adjusted [CW19]. Weighted-least-squares [LJ16]. Well [CV17, CCK+18, IG15, JWH16, LX18, LMKS15, LAEK18, MBM+18, NL18b, AASPT18, ABT16, DVP+16, FNGDN18, GMD19, GLK19, MDBC17,
Well-balanced \cite{CCK18, LX18, LMK15, LAEK18, AASPT18, ABT16, FNGDMNR18, GLK19, MDBCF17, NMM18, PN17, XCX17}. Well-conditioned \cite{JWH16, SO17}. Well-posed \cite{NL18b, PND16}. Well-posedness \cite{IG15, GMD19}. Well-suited \cite{MBM18}. Wendroff \cite{DDJ18, DL18c, FLW16, Heu17, LFT16}. WENO \cite{Sid18, AdRBC16, BGS16, BK16a, Bre17, CLTX15, CGJ16, DLK17, DS15d, DL18b, GGL17, HAH16, HC18a, HC18b, Jac17b, JZ16, uKHGK19, KC18, LX16, NF17, Nor15, PS16, Shu16, TLQ15, TLQ16, WDS15, WLGD18, WT15, ZQ16a, ZSQ17, ZQ16b, ZS17, ZS18, dFJN16, vLttBI17}. WENO-based \cite{CGJ16}. WENO-solver \cite{DS15d}. WENO-Z \cite{AdRBC16, WLGD18}. Westervelt \cite{SK15a}. Wet \cite{LAEK18, PP19, WWGW18}. Wet/dry \cite{LAEK18, WWGW18}. Wetting \cite{ABT16, HSB16, LGD17, PKB15, Pes15, XWW17}. Wetting-drying \cite{ABT16}. Wheeler \cite{JdR18}. White \cite{CHLZ17}. Whitney \cite{KSVB18}. Whole \cite{BMRA15, ANL16, MJ16, NCP17}. Wide \cite{SY18b}. Widest \cite{DBD17}. Wiener \cite{TG17}. Wigner \cite{DS15d, FSM16, SD15, SS15b, VSM17}. Willmore \cite{CLS18}. Wind \cite{CGSS18, GPAO18, MBST17}. Windowed \cite{JDFS16, SL16a}. Windows \cite{DH18a}. Wing \cite{Moo17}. Winslow \cite{FP16}. Wise \cite{LTKA15, MN16}. Within \cite{AAL15, BGV17, JS16, LSS16, LLVF15, PE16a, RW15a}. Without \cite{CGQ18, GMS16, KS18a, Xia15}. WLP \cite{WSOW16}. WLP-FDTD \cite{WSOW16}. WLS \cite{LJ16}. WMLES \cite{DWR18}. Wood \cite{BM19}. Workflow \cite{LBB17}. WOS \cite{HHK15}.

X \cite{NLK15, WSU15}. X-ray \cite{NLK15}. XAVM \cite{RWG18}. Xeon \cite{SGL18}. Xylose \cite{ASB15}.

Yang \cite{HK16a, AZ16, ZA15b}. Yee \cite{DPO16, LL19, NT16, dSPDH15}. Yield \cite{LK17, LEB17}. Yin \cite{AZ16, HK16a, ZA15b}. Yuan \cite{YY16}.

Z \cite{AdRBC16, WLGD18, WRL18}. Z-pinch \cite{WRL18}. Zadeh \cite{HSK15}. Zakharov \cite{BZ16a}. Zero \cite{HED16, KBR17}. Zhong \cite{HK16a}. Zirconium \cite{MTL17}. Zonal \cite{BFT18, PM16, CJ17}. Zonation \cite{LVL18}. Zone \cite{GEZK16}. Zwanzig \cite{PD17, ZV18}.

References

\cite{AA15} Dmitriy Y. Anistratov and Yousry Y. Azmy. Iterative stability analysis of spatial domain decomposition based on block Jacobi algorithm for the diamond-difference scheme. \textit{Journal of Computational Physics}, 297(?):462–479, September 15,


REFERENCES


Abu-Al-Saud:2018:CWB


Abu-Al-Saud:2017:MLS


Archer:2015:NNO


Akiki:2016:IBM


Amlani:2016:FBS

REFERENCES


Asgharzadeh:2017:NKM


Alinovi:2018:BEM


Argaud:2018:SPN


Amore:2016:HOE

Abushaikha:2015:ICV


Abgrall:2016:E


Abgrall:2018:GFC


Afkhami:2018:TNM


Arias:2018:PEI


REFERENCES

Adam:2016:AHW


Antoine:2016:HOI


Ardakani:2016:SWS


Antunes:2017:DHE


Antuono:2016:DRI

Askham:2017:AFM


Ammari:2015:DCE


Adsuara:2017:EBS


Adsuara:2016:SRJ


Abgrall:2015:SDE

R. Abgrall, P. M. Congedo, G. Geraci, and M. G. Rodio. Stochastic Discrete Equation Method (sDEM) for two-phase

**Anistratov:2017:SAN**


**Angelidis:2016:UCR**


**Abgrall:2015:LNL**


**Aditya:2017:HOA**

REFERENCES


Anderson:2017:HOL


Audusse:2018:AMG


Arcucci:2017:VDA


Acker:2016:IWZ


Amritkar:2015:RKS

Amit Amritkar, Eric de Sturler, Katarzyna Świądrychowicz, Danesh Tafti, and Kapil Ahuja. Recycling Krylov subspaces
REFERENCES


Aguirre:2015:UVC


Alvarez:2018:PEE


Abdulle:2015:RBL


Ameline:2018:AEE


Arshad:2017:TST

REFERENCES


REFERENCES


Almanasreh:2019:FEM


Asthana:2015:NLS


Alauzet:2018:TAM


Antoine:2017:ESC


Auclair:2017:INM

References


REFERENCES


REFERENCES

Anderson:2016:HOE


Aniszewski:2016:ITD


Anistratov:2019:SAM


Augustin:2016:AAH


Anonymous:2015:Ca

Anonymous:2015:Cb

Anonymous:2015:Cc

Anonymous:2015:Cd

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REFERENCES

Anonymous:2017:Ck

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Anonymous:2017:Cp
Anonymous:2017:Cq
REFERENCES

Anonymous:2017:Cy

Anonymous:2017:Cz

Anonymous:2017:Caa

Anonymous:2017:Cab

Anonymous:2017:Cac

Anonymous:2017:Cad

Anonymous:2017:Cae
Anonymous. Contents. Journal of Computational Physics, 344(??):ibc, September 1, 2017. CODEN JCTPAH. ISSN
REFERENCES

Anonymous:2017:Caf


Anonymous:2017:Cag


Anonymous:2017:Cah


Anonymous:2017:Cai


Anonymous:2017:Caj


Anonymous:2017:Cak


Anonymous:2017:Cam
REFERENCES


Anonymous:2017:CCa


Anonymous:2017:CCb


Anonymous:2017:CCc


Anonymous:2017:CCd


Anonymous:2017:CCe


Anonymous:2017:CCf

REFERENCES

 Anonymous:2017:Cal


 Anonymous:2017:CCg


 Anonymous:2018:Ca


 Anonymous:2018:Cb


 Anonymous:2018:Cc


 Anonymous:2018:Cd

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Anonymous:2018:EBb


Anonymous:2018:EBc


Anonymous:2018:EBd


Anonymous:2018:EBe


Anonymous:2018:EBf

REFERENCES


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REFERENCES

Anonymous:2018:EBs


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Anonymous:2019:EBa


Anonymous:2019:EBb


Anonymous:2019:EBc

REFERENCES

Antunes:2017:IPT


Altsybeyev:2016:AGL


Anand:2016:EHO


Adam:2016:HOC


Acosta:2015:NMC

Ammar:2017:MTD


Aguerre:2018:OFF


Acebron:2016:MCM


Arjmand:2016:TDA


Abadi:2018:CPF

Reza Haghani Hassan Abadi, Mohammad Hassan Rahimian, and Abbas Fakhari. Conservative phase-field lattice-Boltzmann.

**Abraham:2017:RES**


**Alldredge:2015:RPD**


**Ambrus:2016:LBM**


**Ahlkrona:2017:MAN**

Ahmadian:2015:TMN


Almanasreh:2013:SFE


Almanasreh:2017:CSF


Anumolu:2018:GAL


Atangana:2015:SCT

REFERENCES


Adkins:2017:GCD


Aldegunde:2016:QUF


Bhrawy:2015:FSC


Bao:2016:HON


Belme:2019:PAG

A. Belme, F. Alauzet, and A. Dervieux. An a priori anisotropic goal-oriented error estimate for viscous compressible flow and application to mesh adaptation. *Journal of Computational Physics*, 376(?):1051–1088, January 1, 2019. COD-
REFERENCES


[Bat17] Christopher Batty. A cell-centred finite volume method for the Poisson problem on non-graded quadtrees with

**Bilger:2017:ETP**


**Buckinx:2015:MSM**


**Balogh:2017:CAM**


**Biagioni:2015:RID**


**Benedetto:2016:HMV**

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Bokil:2017:ESD


Blanes:2015:EAB


Bukac:2015:PSF


Bandara:2015:BEB


Babaei:2017:RBO

[BCSK17] Hessam Babaei, Minseok Choi, Themistoklis P. Sapsis, and George Em Karniadakis. A robust bi-orthogonal/dynamically-orthogonal method using the covariance pseudo-inverse with


REFERENCES

[Boscheri:2017:ALE]


[Botti:2018:AHH]


[Bartholomew:2018:UFM]


[Blommaert:2017:PGO]


[Basic:2018:CRM]

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REFERENCES


REFERENCES


REFERENCES


REFERENCES


[BFT17] Raunak Borker, Charbel Farhat, and Radek Tezaur. A high-order discontinuous Galerkin method for unsteady


[BG19b] Daniil Bochkov and Frederic Gibou. Solving Poisson-type equations with Robin boundary conditions on piecewise
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Bassett:2019:MLP

Bukhvostova:2015:LMN

Bosler:2017:LPM

Burger:2016:DAV

Burgel:2017:SRT
Florian Bürgel, Kamil S. Kazimierski, and Armin Lechleiter. A sparsity regularization and total variation based computa-
REFERENCES

[192]


REFERENCES


REFERENCES


[BLM18] Dinshaw S. Balsara, Jiequan Li, and Gino I. Montecinos. An efficient, second order accurate, universal generalized Riemann


Budd:2018:SSO


Burton:2018:CEC


Burton:2015:RDL


Beretta:2018:RPC


Barlow:2016:ALE

REFERENCES

Blazakis:2015:WCT

Balsara:2016:EVF

Birgle:2018:DDM

Balsara:2017:MRP
Borah:2016:NSO


Bennett:2018:MBF


Barnett:2015:HOB


Besse:2017:DTB


Barral:2017:TAA


REFERENCES


Braun:2018:RML


Berrone:2016:TEF


Berrone:2017:FSP


Bian:2016:AEB


Basting:2017:EAM

Bidadi:2015:INV


Bidadi:2015:SDC


Bidadi:2016:CSD


Bremer:2017:NPF


Brackbill:2016:EMC

REFERENCES


Brazell:2016:OMA


Boccardo:2018:ISR


Borovikov:2015:ESO


Becker:2018:HRV


Bologna:2015:DHM

Mauro Bologna, Adam Svenkeson, Bruce J. West, and Paolo Grigolini. Diffusion in heterogeneous media: an iterative scheme for finding approximate solutions to fractional differential equations with time-dependent coefficients. *Journal of


Piotr Borowik, Jean-Luc Thobel, and Leszek Adamowicz. Modified Monte Carlo method for study of electron transport in degenerate electron gas in the presence of electron-electron interactions, application to graphene. *Journal of
Balajewicz:2016:MSR


Balsara:2017:CEM


Britt:2018:NSW


Beltman:2018:LSM

Blais:2015:CLB


Busto:2016:DAA


Bu:2015:FDF


Bukac:2016:LCS


Barbas:2015:DGM


REFERENCES

Bodroski:2018:GBI

Boelens:2018:PTM

Blonigan:2018:MSS

Breuer:2018:MRC

binWaheed:2015:ETS
REFERENCES


REFERENCES


Cai:2016:SIS


Capecelatro:2018:PLM


Cavaglieri:2015:LSI


Candy:2018:STG


Collins:2018:GSS


Capuano:2018:SVC

Cai:2018:DLG

Castillo:2015:FST

Chacon:2016:CFI

Chakraborty:2016:SED


REFERENCES


REFERENCES

Chertock:2018:WBS


Cheung:2015:SDG


Collyer:2016:ISV


Collin:2015:LOR


Costa:2017:SOF

Ricardo Costa, Stéphane Clain, and Gaspar J. Machado. A sixth-order finite volume scheme for the steady-state incompressible Stokes equations on staggered unstructured meshes.
REFERENCES


[Carrillo:2019:SPS]

[Capuano:2017:ERK]

[Carlberg:2018:CMR]

[Chen:2018:QWM]

[Cheng:2015:NST]


REFERENCES

Couderc:2017:EAP

Chen:2018:PWA

Chong:2018:MRS

Chun:2017:MMFa

Chan:2018:MLA
REFERENCES


Thomas Carraro, Elfriede Friedmann, and Daniel Gerecht. Coupling vs decoupling approaches for PDE/ODE systems modeling intercellular signaling. *Journal of Com-
REFERENCES


Chen:2017:EMS


Cusimano:2018:SFM


Christlieb:2016:WBM


Chalons:2017:ARL


Chaillat:2018:MBA

REFERENCES


REFERENCES

Corona:2017:IEF


Chou:2015:ELM


Carichino:2018:EBO


Calderer:2018:FSI


Casacuberta:2018:EES

Chen:2017:DSM


Chatterjee:2016:NGF


Chan:2018:DEC


Cho:2018:HFL


Crean:2018:ESS


Cohen:2017:MCC


Chen:2018:RHI


Cheng:2017:TOM


Cui:2017:SSM


Choi:2015:HSD


[CHY16] Zheng Chen, Hongying Huang, and Jue Yan. Third order maximum-principle-satisfying direct discontinuous Galerkin methods for time dependent convection diffusion equations


REFERENCES


Amareshwara Sainadh Chamarthi, Kimiya Komurasaki, and Rei Kawashima. High-order upwind and non-oscillatory approach for steady state diffusion, advection-diffusion and application to magnetized electrons. *Journal of Computa-
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Chen:2015:AFQ


Chen:2018:KPS


Chen:2019:EED


Chandrasekaran:2015:MSN


Cerroni:2016:PPA


Chiron:2018:CSF

Cimpeanu:2015:PFP

Chakir:2019:NIR

Curtis:2016:ASS

Cui:2016:SPA


REFERENCES


Chiron:2018:AIA


Cortez:2018:RSS


Costa:2016:MTM


Cotter:2016:CAE


Cottet:2018:SLP


REFERENCES


Chiapolino:2018:MMT


Conrad:2015:ANN


Cipcigan:2016:ECG


Cherry:2017:NMP


Comminal:2015:CCU


Campos:2017:PSS


Choi:2015:MQB


Cai:2015:ALB


Chen:2016:FOF


Charin:2017:MMI

CONTARINO:2016:JGR


CUI:2015:CES


CORTEZ:2015:GSI


CHURBANOV:2016:NIS


COOLS:2016:FRC

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


Matteo Cusini, Cor van Kuijbsdijk, and Hadi Hajibeygi. Algebraic dynamic multilevel (ADM) method for fully implicit simulations of multiphase flow in porous media. Journal of
REFERENCES

Charnley:2016:TWR

Charnley:2017:LSM

Cleveland:2018:CIM

Chan:2019:DES

Castelletto:2016:SAT


References

Chen:2017:TOH


Cui:2016:AAD


Chen:2015:CSA


Chen:2016:VVP


Chen:2015:MDS

REFERENCES


REFERENCES

Cui:2017:HWB


Cheng:2018:ADA


Chen:2016:IMM


Chen:2017:IMM


Chen:2015:UPU

REFERENCES

Casquero:2018:NBF


Chen:2017:REP


Chen:2015:SMM


Cheng:2018:HOC


Cai:2017:DPS


Dehghan:2017:UPO


Doisneau:2017:SLT


Davidchack:2010:DEM


Davidchack:2015:CDE

REFERENCES

Diggs:2016:EMC


Dumbser:2016:NEF


Dubey:2018:SDC


DAlessandro:2017:SOS


deBrauer:2016:CSC

REFERENCES


[DCA+16] Elke Deckers, Claus Claeyts, Onur Atak, Jean-Philippe Groby, Olivier Dazel, and Wim Desmet. A wave based method to predict the absorption, reflection and transmission coefficient of two-dimensional rigid frame porous structures with periodic inclusions. *Journal of Computational Physics*, 312(??):115–138,
REFERENCES


REFERENCES


Degond:2017:APM


Sarto:2017:MAA


Degond:2017:APP


Dorf:2018:HOF


Demaziere:2017:DPK

Dakin:2018:ILW


Dakin:2019:HOS


Pietro:2018:DSG


deDiego:2019:INS


Dobbelare:2015:CMP


REFERENCES


References


[DGW18] Saumik Dana, Benjamin Ganis, and Mary F. Wheeler. A multiscale fixed stress split iterative scheme for coupled flow and poromechanics in deep subsurface reservoirs. *Journal of
REFERENCES


REFERENCES


Du:2018:HWR

Du:2018:TSF

delaAsuncion:2017:STG

Ding:2015:HOA

delaCruz:2017:CGH
[deLaborderie:2018:NAH]

[deLangavant:2017:LSS]

[delaHoz:2016:PSM]

[Do:2017:WBA]

[Du:2017:LDG]


REFERENCES

Dimarco:2015:MFS

Du:2015:NSS

Damle:2017:SKL

Dechriste:2016:CCC

Dahal:2017:NMS
Diosady:2017:TPP


Pietro:2018:WIP


Das:2015:COM


deMoraes:2017:MGC


Dobravec:2017:CAF

REFERENCES


REFERENCES


REFERENCES


[Drozdov:2017:TME]

[Deng:2017:ASP]

[Deimert:2016:CEF]

[Dumbser:2017:HOA]

[Dumbser:2017:HOA]
Michael Dumbser, Ilya Peshkov, Evgeniy Romenski, and Olindo Zanotti. High order ADER schemes for a unified first order hyperbolic formulation of Newtonian continuum mechanics coupled with electro-dynamics. *Journal of Compu-
REFERENCES


Dai:2015:IDA

Dai:2015:SOA

Dong:2015:PCS

Dorda:2015:WSC

DiPietro:2016:PDA
REFERENCES

DeCorato:2016:FEF


daSilva:2015:SEC


Diaz:2018:CNS


Douasbin:2018:DTD


Davidson:2015:IHP


REFERENCES

Dotlic:2016:SOA


Denner:2015:NTS


Denner:2015:TDT


Duo:2018:NAF


Derigs:2018:IGM


Ellison:2015:CSI

Esmailbeigi:2018:FHI

Errera:2016:CSC

Edeling:2016:SSC

Evrard:2017:ECV
Fabien Evrard, Fabian Denner, and Berend van Wachem. Estimation of curvature from volume fractions using parabolic reconstruction on two-dimensional unstructured meshes. *Journal of Computational Physics*, 351(??):271–294, December 15,
Ezz-Eldien:2016:NQA


Errami:2015:DHB


Engquist:2017:SIS


Engquist:2015:FSM


Eslaminia:2016:DSP

Mehran Eslaminia and Murthy N. Guddati. A double-sweeping preconditioner for the Helmholtz equation. *Journal of Computational Physics*, 314(??):800–823, June 1, 2016. CO-
REFERENCES


[EH15] L. Eça and M. Hoekstra. Reply to comment on “A procedure for the estimation of the numerical uncertainty of CFD calculations based on grid refinement studies” (L. Eça and M. Hoek-
REFERENCES


Esedoglu:2017:KPS


Engsig-Karup:2016:SNS


Engels:2015:NSF


Eca:2016:CVR


Ehrlacher:2017:DAT

REFERENCES


[EMZ16] Lukas Exl, Norbert J. Mauser, and Yong Zhang. Accurate and efficient computation of nonlocal potentials based
REFERENCES


Eskandari:2017:TRM


Eriksson:2018:FDS


Engwirda:2018:GPD


Einkemmer:2015:SAK


Eggl:2018:GBF

REFERENCES


[Ev18]

Ellam:2016:BAM


[Ell16]

Falissard:2015:UOD


[Fal15]

Falissard:2017:CLG


[Fal17]
REFERENCES

Fan:2016:SUC


Fan:2019:NFT


Fattah:2016:PGQ


Fleckenstein:2015:VFB


Fakhari:2017:DIM

Abbas Fakhari and Diogo Bolster. Diffuse interface modeling of three-phase contact line dynamics on curved boundaries: a lattice Boltzmann model for large density and viscosity ratios. *Journal of Computational Physics*, 334(??):620–638, April 1, 2017. CODEN JCTPAH. ISSN 0021-9991 (print),


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


**Fujita:2015:DSD**


**Fu:2016:CCF**


**Febres:2018:EFT**


**Fu:2017:NPM**

REFERENCES


REFERENCES


REFERENCES


REFERENCES

Fornberg:2016:FCL

Fortunato:2016:HOU

Fuster:2018:AMM

Fernandez-Pendas:2016:AMS

Fraggedakis:2017:DTD


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Giorgiani:2018:HDG


Golbert:2015:SMS


Golbert:2016:CSM


Goffin:2015:GBA

REFERENCES


REFERENCES


REFERENCES


Stefanie Günther, Nicolas R. Gauger, and Qiqi Wang. A framework for simultaneous aerodynamic design opti-


[GHJ15] Leslie Greengard, Thomas Hagstrom, and Shidong Jiang. Extension of the Lorenz–Mie–Debye method for electromag-


REFERENCES

Ghanbarzadeh:2015:LSM


Garrick:2017:ICS


Gibson:2018:AIL


Gavrilyuk:2018:MDS


Gorji:2015:FPD


Gorodetsky:2018:GBO

Alex A. Gorodetsky and John D. Jakeman. Gradient-based optimization for regression in the functional tensor-train for-
REFERENCES


**GKNA17** Marcus J. Grote, Marie Kray, Frédéric Nataf, and Franck Assous. Time-dependent wave splitting and source separation.
REFERENCES


[GLS15] Anvar Gilmanov, Trung Bao Le, and Fotis Sotiropoulos. A numerical approach for simulating fluid structure inter-


Bartłomiej Gardas and Andrzej Ptok. Counting defects in quantum computers with Graphics Processing Units. *Journal of Computational Physics, 366(??):320–326, August 1,
REFERENCES


Martin Geier, Andrea Pasquali, and Martin Schönherr. Parametrization of the cumulant lattice Boltzmann method

Ginzburg:2015:TET


Gamba:2018:GPA


Grigoriu:2015:PMS


Grigoriu:2019:FDM


Gonzalez-Rodriguez:2015:LEI


REFERENCES


Geng:2017:TCM

Gu:2018:CSM

Gomez:2019:SHD

Gao:2017:REC

Gao:2016:TOS
REFERENCES


REFERENCES


[Huang:2018:NAC]


[Huang:2018:SSI]


[HosseiniMehr:2018:ADM]


[Hu:2015:IGT]


[Hampton:2015:CSP]
REFERENCES


Hampton:2018:BAS


Hill:2018:BPI


Haverkort:2016:IFV


Huang:2018:FPO


Hamilton:2015:ESS

REFERENCES


REFERENCES


REFERENCES


REFERENCES


Heydari:2015:ECM


Hwang:2015:CWS


Hou:2017:IAM


Han:2017:ERR

REFERENCES


Haga:2019:RAL


Hirschler:2016:OBC


Hedges:2017:SLS


Harmandaris:2016:PSV


Hejlesen:2015:IBP


REFERENCES


REFERENCES


[HLY15] Wei-Fan Hu, Ming-Chih Lai, and Yuan-Nan Young. A hybrid immersed boundary and immersed interface method


REFERENCES


Ha:2018:GAS


Heumann:2017:FEM


Hackemack:2018:QSD


Hansel:2018:FCT


Halpern:2016:GCT


REFERENCES


REFERENCES

Huang:2016:TEB


Huang:2018:LBM


Hu:2015:ELD


Hwang:2016:MMT


Han:2016:IFE

Haghshenas:2019:FVG


He:2016:NSM


Huang:2015:ARB


Hao:2015:FDM


Hu:2018:MCA

REFERENCES


Huang:2015:CVH


Hou:2017:IIM


He:2015:PNO


Innocenti:2016:MCM


Ismail:2017:DES


Ivey:2015:AIN


Irfan:2017:FTM


Ivey:2017:CBV


Imbert:2015:FDM


Ishii:2017:VRT

REFERENCES

Isaac:2015:SEA


Ismagilov:2015:SOF


Itu:2015:PEF


Ii:2018:CSA


Iwasaki:2015:MDE

REFERENCES


Jofre:2015:PLB


Jedouaa:2019:EIC


Joshi:2017:HOM


Josey:2016:WMC


Jansen:2018:TCC


Jenkins:2015:CEM


Jibben:2017:AOR


Jerez-Hanckes:2017:MSF


Juno:2018:DGA


Joshi:2017:PPV


REFERENCES


REFERENCES


Joshi:2016:DAP


Jamshidian:2016:MCF


Jakeman:2015:EAS


Jia:2015:FFD


Jia:2015:PFF


REFERENCES


REFERENCES


Khosravian-Arab:2015:FSL


Khosravian-Arab:2017:FSP


Kindelan:2018:FOR


Kedward:2017:EEM


Kasperski:2015:PSP

Katugampola:2016:CWF


Kaya:2015:FDAa


Kawazura:2018:HGI


Kursawe:2017:IIC


Kou:2015:FRA

REFERENCES


Kim:2015:QSU


Koulouri:2017:VTR


Kang:2017:EIH

Keady:2017:IRW


Kong:2017:SNF


Kumar:2018:SSI


Komen:2017:QMN


Kim:2017:BFD


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

[Kilic:2015:SIS]


[Khayrat:2018:AMF]


[Kohn:2018:PMC]


[Kallinderis:2015:PMQ]


[Kong:2017:SAF]

REFERENCES


Kidder:2017:STB

Kochunas:2017:FAI

Krank:2017:HOS

Kopera:2015:MCU


Kates-Harbeck:2016:SCT


Kim:2015:FPF


Khayrat:2017:MSN


Kuchlin:2017:PFP


Kuchlin:2018:AMR

Kim:2017:FDM


Kozynchenko:2016:IAE


Kim:2017:AMC


Kotalczyk:2017:MCM


Kannan:2018:CRF


...

[Kawashima:2016:FSM]

[Kang:2015:POL]

[Kophazi:2015:SAD]

[Keady:2016:SMC]

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


Kim:2018:WCI


Kumar:2018:MMM


Koblitz:2017:DNS


Kostin:2015:LTS


Kempe:2015:IFS

Tobias Kempe, Matthias Lennartz, Stephan Schwarz, and Jochen Fröhlich. Imposing the free-slip condition with a continuous forcing immersed boundary method. Journal of Com-


REFERENCES


[Ke:2015:FDM]


[KNS15]


REFERENCES


REFERENCES


Kuwata:2016:ICG


Kuhnlein:2017:UMF


Kilian:2018:SIM


Kou:2018:TCS


Krishnan:2017:FRV

REFERENCES


[6] [KTG16] Michael Kraus, Emanuele Tassi, and Daniela Grasso. Variational integrators for reduced magnetohydrodynamics. *Journ-
REFERENCES

Kaboudian:2015:GSM

Kuya:2018:KEE

Kawai:2015:RAN

Kulikov:2016:UPA

Katz:2015:HOF
Aaron Katz and Dalon Work. High-order flux correction/finite difference schemes for strand grids. *Journal of Com-
REFERENCES

Kercher:2015:RPC

Krank:2016:NAW

Kodjo:2019:MMT

Kwon:2015:DSL
REFERENCES


Liu:2016:ENS


Levien:2017:CSP


Lynch:2017:AAW


Lan:2016:EHO


Li:2018:DPD


REFERENCES


**Lochon:2016:HTR**


**Lozano-Duran:2015:NAC**


**Li:2016:SBI**


**Lee:2017:RRP**

Liu:2015:LBM


Lee:2016:MNM


Lusso:2017:TDS


Lerat:2015:HOT


Lerat:2016:EHO

[Li:2016:IBLa]

[Lee:2017:PCM]

[LeHardy:2017:SRT]

[Lu:2016:ILW]

[Lieu:2016:CHO]
REFERENCES


LaGron:2016:DAB


Lang:2017:EBI


Liu:2017:ATG


Liu:2018:AMM


Litvinov:2015:TCC


Luo:2015:CSI


REFERENCES


Li:2016:OFO


Li:2018:RCA


Luo:2016:HLH


Lee:2018:SEP


Long:2017:ABG

Ting Long, Dean Hu, Detao Wan, Chen Zhuang, and Gang Yang. An arbitrary boundary with ghost particles incorporated in coupled FEM–SPH model for FSI problems. *Jour-


REFERENCES


REFERENCES


Li:2015:PTM

Liu:2016:MDT

Lohmann:2016:SFL

Latypov:2017:DDR

Lai:2015:FRS
Jun Lai, Motoki Kobayashi, and Alex Barnett. A fast and robust solver for the scattering from a layered periodic structure containing multi-particle inclusions. *Journal of Compu-
Lee:2017:GCF


Lee:2017:REC


Linders:2017:SPO


Lohmann:2017:FCTa

Li:2015:AIS


Lai:2016:LDM


Li:2016:IBLb


Liao:2016:RBA


Bris:2017:ECA


REFERENCES

Lin:2017:MML


Lee:2016:HOC


Li:2015:DAD


Liu:2015:NII


Lubasch:2018:MR


Liu:2015:WBC


Leclercq:2016:MPH


Lombard:2017:NMA


Lipnikov:2016:MFD

REFERENCES


[LMTC15] Fei Lu, Matthias Morzfeld, Xuemin Tu, and Alexandre J. Chorin. Limitations of polynomial chaos expansions in the


[Loh17] Christoph Lohmann. Flux-corrected transport algorithms preserving the eigenvalue range of symmetric tensor quantities.
REFERENCES


Lotfi:2018:CER


Lozano:2017:MSB


Lejay:2016:SDP


Liu:2016:AED


Luo:2017:AMB

REFERENCES


Lepilliez:2016:TPF


Li:2018:DGS


Luan:2019:FDE


Latz:2018:MSM


Leguebe:2015:SOC

Lee:2015:SWP


Lu:2016:BEF


Lee:2017:DNS


Luo:2018:MMM


Lu:2017:CAS

Libin Lu, Abtin Rahimian, and Denis Zorin. Contact-aware simulations of particulate Stokesian suspensions. *Journal of Computational Physics*, 347(??):160–182, October 15,
REFERENCES


[Lind:2016:HOE]

[Lin:2017:SCT]

[Liang:2018:DDC]

[Lv:2016:ERS]

[Lee:2015:FSO]
REFERENCES


Landry:2016:RMM


Laadhari:2017:FIM


Lindgren:2018:IEA


Lind:2016:ICF


REFERENCES


Lisitsa:2016:CDG


Lehtikangas:2015:FEA


Lindblom:2016:CRM


Luan:2017:PIE


Liu:2018:LOW

[Jiangguo Liu, Simon Tavener, and Zhuoran Wang. The lowest-order weak Galerkin finite element method for the...
REFERENCES


[LVL18] Zhiming Lu, Velimir V. Vesselinov, and Hongzhuan Lei. Identifying arbitrary parameter zonation using multiple level set


[LW17b] Jiequan Li and Yue Wang. Thermodynamical effects and high resolution methods for compressible fluid flows. *Journ-
REFERENCES


Haihu Liu, Lei Wu, Yan Ba, Guang Xi, and Yonghao Zhang. A lattice Boltzmann method for axisymmetric multicomponent flows with high viscosity ratio. *Journal of Computa-
REFERENCES

*Luo:2017:EFE*


*LWC17*


*Li:2017:SCV*


*Lin:2018:RNG*


*LWLC17*


*Luo:2019:IDF*


[LX16] Gang Li and Yulong Xing. High order finite volume WENO schemes for the Euler equations under gravitational fields. *Journal of Computational Physics*, 316(??):145–163, July 1,
REFERENCES


Li:2018:WBD


Li:2015:SIA


Liang:2017:GBL


Liu:2016:UGK


Larson:2015:FMB


[LY16c] Yu Liu and Xiping Yu. A coupled phase-field and volume-of-fluid method for accurate representation of lim-


Dongfang Li and Jiwei Zhang. Efficient implementation to numerically solve the nonlinear time fractional parabolic problems on unbounded spatial domain. *Journal of Compu-
REFERENCES


Li:2017:RSF


Lin:2017:HOF


Lee:2018:PPG


Li:2017:DDA


Lu:2017:AOS

[LZL+17] Zhen Lu, Hua Zhou, Shan Li, Zhuyin Ren, Tianfeng Lu, and Chung K. Law. Analysis of operator splitting er-


Motheau:2016:HON


Mattsson:2017:HOA


Matsushita:2019:WCS


Mokbel:2018:PFM


Machado:2015:NCL

<table>
<thead>
<tr>
<th>Reference</th>
<th>Title</th>
</tr>
</thead>
</table>
[Masiello:2018:FSC]

[Mattsson:2017:DNU]

[Mattsson:2018:BOD]

[Muller:2015:HOA]

[Mitscha-Baude:2017:AIM]
Moguen:2015:SLM


Meng:2017:SAP


Magri:2016:SATa


Moxley:2015:GFS


Maunoury:2018:WSA

REFERENCES


Magri:2016:SATb


MacDonald:2015:ECG


Mittal:2017:PVD


Medale:2015:HPC

REFERENCES


REFERENCES

Mapakshi:2018:SVI


Mohamad:2016:PDS


Marichal:2016:III


Michels:2015:SAA


Matheou:2016:SEL


REFERENCES


**Monsorno:2018:TAC**


**Moon:2016:SEG**


**Manzini:2016:LFS**


**Mattsson:2018:SAF**

REFERENCES


Muller:2015:SDP


Mainardi:2015:CMP


Marras:2015:PFD


Marie:2017:AFL


Mistani:2018:IDM

Mirzadeh:2016:PLS

Mu:2018:ELE

Matous:2017:RPN

Maltba:2018:NPM

Munoz:2017:HFP
Meng:2018:NEF


Misev:2018:SDO


Meliga:2019:TAC


Misztal:2015:DAL


Ma:2016:RPI

REFERENCES


Meng:2015:BDE


Miao:2017:CTD


Mohamed:2016:DEC


Meyers:2015:NDE


Marti:2016:FSM

REFERENCES


[MKS18] Ondrej Maxian, Andrew T. Kassen, and Wanda Strychalski. A continuous energy-based immersed boundary method for elas-


Morgan:2018:RSM

Ma:2017:ESH

Morente:2018:PMS

Maljaars:2018:HDG

Moroney:2017:EFL
REFERENCES


Mundis:2017:TOS


Muralidharan:2018:SMB


Maric:2018:ESF


Maier:2017:DES


Mishra:2015:TDA

MacDonald:2016:CMC


Monteghetti:2018:EAD


Moura:2017:ERC


Menon:2015:PAS


Merrick:2018:NFV


Alexandre Noll Marques, Jean-Christophe Nave, and Rodolfo Ruben Rosales. High order solution of Poisson problems with piecewise constant coefficients and interface jumps. *Journal of
REFERENCES


REFERENCES


REFERENCES


Meldi:2017:ROM


Merrill:2016:SAM


Miki:2015:SVN


Mazhar:2018:DVA


Marchetti:2016:HEH

[MPT16] Luca Marchetti, Corrado Priami, and Vo Hong Thanh. HRSSA — efficient hybrid stochastic simulation for spatially homo-


Maginot:2016:HOS


Mazaheri:2016:FOH


Manoli:2015:IPF


Manzanero:2018:BRS


Mohebujjaman:2017:EBM


Mizerova:2018:CSF


Moura:2016:LEA


Meierbachtol:2017:EPC


Maddix:2018:NAD

REFERENCES


Mishra:2016:MLM


Matveev:2015:FN


Mittal:2016:CM


Melvin:2017:WDP


Mehmani:2018:MCP

Yashar Mehmani and Hamdi A. Tchelepi. Multiscale computation of pore-scale fluid dynamics: Single-phase flow. *Jour-
REFERENCES

Muralikrishnan:2018:IIH


Moon:2015:CPC


Moncorge:2017:MSF


Moncorge:2018:SFI


Miyauchi:2015:NMM

[MTK15] Suguru Miyauchi, Shintaro Takeuchi, and Takeo Kajishima. A numerical method for mass transfer by a thin moving...

Morii:2016:EFR


Miyauchi:2017:NMI


Montgomery:2017:UMZ


Medvinsky:2019:DIH


Morgan:2015:GLP


Morgan:2015:PCA


Maginnis:2016:VRS


Mu:2016:NWG


Metti:2016:ESD

Mukherjee:2015:DEB


Main:2017:EFM


Matveev:2016:TTV


Nielsen:2018:CAA


Na:2019:FET

Dong-Yeop Na, Ben-Hur V. Borges, and Fernando L. Teixeira. Finite element time-domain body-of-revolution Maxwell


REFERENCES


REFERENCES


Nishikawa:2018:HMD


Niu:2016:CTF


Nelson:2015:DFL


Nguyen:2018:PUF


Nangia:2017:MCV


[NMA15] Federico Negri, Andrea Manzoni, and David Amsallem. Efficient model reduction of parametrized systems by ma-
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Ouaknin:2018:LSS


OReilly:2017:ESH


Orgis:2017:BWP


Olson:2015:NBM


Osnabrugge:2016:CBS

[OLV16] Gerwin Osnabrugge, Saroch Leedumrongwatthanakun, and Ivo M. Vellekoop. A convergent Born series for solving the

**Ortigueira:2015:WFD**


**Oger:2016:SAI**


**Ostilla-Monico:2015:MRS**


**Orley:2015:CEB**


Olejnik:2017:SDS


Ojala:2015:AIE


Ohno:2017:NTQ


Ozbenli:2017:HOA


Oud:2016:FCM


REFERENCES


Parent:2018:PPD


Park:2018:DSM


Pasquetti:2016:CSI


Philip:2015:PMD


Piao:2015:IFB


Juan Luis Prieto and Jaime Carpio. A-SLEIPNNIR: a multiscale, anisotropic adaptive, particle level set framework for

**Pont:2018:USF**


**Pang:2015:SFA**


**Parsani:2015:ESD**


**Parsani:2015:ESW**


**Pan:2017:IFE**

[PCX17] Qing Pan, Chong Chen, and Guoliang Xu. Isogeometric finite element approximation of minimal surfaces based
REFERENCES

532


**Plante:2015:GFP**


**Parish:2016:PDD**


**Pourmatin:2016:MRS**


**Parish:2017:DSS**

REFERENCES

Pan:2017:POU


Phillips:2017:ETE


Pazzona:2015:IAM


Phillips:2015:SAU


Panourgias:2016:NFH

[Konstantinos T. Panourgias and John A. Ekaterinaris. A nonlinear filter for high order discontinuous Galerkin discretizations with discontinuity resolution within the cell. *Journal of Computational Physics*, 326(?):234–257, December 1,

Petrov:2016:TBC


Pearson:2015:PIM


Peixoto:2016:AAM


Peschka:2015:TFF


Pereira:2018:CSR

REFERENCES


REFERENCES

1. Peng:2018:DNS


[PJGGW18]

2. Plestenjak:2015:SCM


[PHG15]


[PGM17]


[PHD16]

5. Pan:2018:CII

REFERENCES

Pan:2017:NEC


Pasquariello:2016:CCF


Pavan:2016:SOR


Hao:2015:FOA


Pinaud:2015:ALD


Jin Seok Park and Chongam Kim. Hierarchical multidimensional limiting strategy for correction procedure via re-


**[PKJ+18]** Yesom Park, Jeongho Kim, Jinwook Jung, Euntaek Lee, and Chohong Min. An efficient MILU preconditioning for solv-
REFERENCES


REFERENCES


**Puscas:2015:TSI**


**Pfeiffer:2015:HDC**


**Pigou:2018:NDE**


**Peng:2016:HCM**

Parent:2015:MWI


Patel:2017:NCW


Patel:2018:DII


Pettersson:2016:WPS


Pan:2018:CCI

REFERENCES


REFERENCES

Pares:2019:RPS


Pang:2017:DVF


Park:2016:PCI


Pitton:2017:CRS


Pathak:2016:FEV

[PR16a] Ashish Pathak and Mehdi Raessi. A 3D, fully Eulerian, VOF-based solver to study the interaction between two fluids and moving rigid bodies using the fictitious domain method.
References

Pathak:2016:TDV


Petras:2016:PMS


Pasquetti:2017:CVF


Popovic:2017:AFI


Prusa:2018:CCS

Pfeifenberger:2018:NSS


Pelanti:2014:MEC


Pelanti:2015:CME


Petersson:2015:WPA


Pathak:2016:AFV

REFERENCEs


Pierro:2018:SFP


Petropavlovsky:2018:MBE


Parker:2015:CPA


Posa:2017:ARL


Palamara:2015:EAG

Parussini:2017:MFG


Parmentier:2018:VPM


Pimenta:2018:FNF


Popov:2015:SVC


Pan:2015:GCT

Pan:2016:TOC


Pan:2016:EAT


Pan:2017:HOS


Pan:2015:IAB


Podvigina:2016:CLM

REFERENCES


Qin:2016:BPD


Qian:2018:CTL


Qiao:2017:ADT


Qiu:2015:TGB


Qing:2019:RMM

Romick:2017:HOS


Ragusa:2015:DFE


Ramis:2017:ODL


Ramadan:2018:RSH


Rodrigues:2015:SIF

REFERENCES


Maryam Rahbaralam, Daniel Fernàndez-Garcia, and Xavier Sanchez-Vila. Do we really need a large number of particles to simulate bimolecular reactive transport with random walk methods? A kernel density estimation approach. *Journal of Computational Physics*, 303(??):95–104, December 15,
REFERENCES


Radivojevic:2018:MSS

Rangarajan:2015:FEM

Rietmann:2017:NLT

Remacle:2016:GAS

Ray:2018:ANN
Deep Ray and Jan S. Hesthaven. An artificial neural network as a troubled-cell indicator. *Journal of Computa-
Renaud:2018:DGM


Rossinelli:2015:MIM


Ricchiuto:2015:ERB


Raissi:2018:HPM


Runov:2015:EMP


References


REFERENCES

Royston:2018:PRU


Rattia:2018:MLS


Rodriguez-Rozas:2016:NCC


Reiser:2019:PTL


Ravu:2016:CAD

Bharath Ravu, Murray Rudman, Guy Metcalfe, Daniel R. Lester, and Devang V. Khakhar. Creating analytically divergence-free velocity fields from grid-based data. *Journal of Computational Physics*, 323(??):75–94, October 15,


REFERENCES


Rider:2016:RVA


Ruggiu:2018:NMF


Ren:2016:MDH


Ren:2015:MDH


Ran:2018:GBA

REFERENCES

Rosatti:2015:MTB

Reiter:2017:MDB

Rundell:2018:RUS

Soghrati:2015:HIE

Schranner:2016:CII
Schneider:2017:CNF


Semkiv:2017:TSM


Seric:2018:DNS


Sun:2017:ADM


Saye:2017:IMDa

Robert Saye. Implicit mesh discontinuous Galerkin methods and interfacial gauge methods for high-order accurate interface

[Saye:2017:IMDb]


[Schram:2018:SRP]


[Seo:2017:MCM]


[Schaerer:2017:EAI]


REFERENCES


[SD16] Andrew L. Stewart and Paul J. Dellar. An energy and potential enstrophy conserving numerical scheme for the multilayer shallow water equations with complete Coriolis force.
REFERENCES

Shaw:2017:SME

Sun:2018:IUA

Silva:2017:NAQ

Smolarkiewicz:2016:FVM

Sen:2015:ECB
Oishik Sen, Sean Davis, Gustaaf Jacobs, and H. S. Udaykumar. Evaluation of convergence behavior of metamodeling

[Sibra:2017:SRP]

[Sauer:2017:SFE]

[Song:2016:CFE]

[Su:2018:DPP]
Stasyszyn:2015:VPI


Sousedik:2016:SGM


Sellier:2015:SPF


Stinchcombe:2016:EMS


Setukha:2018:MRB

REFERENCES


REFERENCES


Schneiders:2016:ECC


Sanchez:2016:RCM


Sanders:2017:CSI


Sun:2017:RTN


Stein:2016:IBS

REFERENCES


**Stein:2017:IBS**


**Schranner:2016:CWC**


**Shahbazi:2017:RSO**


**Shankar:2017:ORB**


**Shim:2017:PLB**

REFERENCES


REFERENCES


Sun:2016:BVD


Sun:2015:PML


Sun:2015:APUa


Sun:2017:MUG


Sun:2015:APUb


Fangying Song and George Em Karniadakis. Fractional magneto-hydrodynamics: Algorithms and applications. *Journal of Computational Physics*, 378(??):44–62, February 1,
REFERENCES


Shlivinski:2016:GWF


Stupfel:2016:OWD


Su:2016:EDP


Schroeder:2017:SDF


Semplice:2018:AMR


[Slattery:2016:MFD]

[Shinde:2016:GFM]

[Shao:2018:CFI]

[Spandan:2018:FML]
Schneider:2018:EBS


Shin:2016:FSO


Shin:2017:USM


Sorgentone:2015:NHO


Sheikh:2016:ASL

REFERENCES


[SM19] Sangeeth Simon and J. C. Mandal. A simple cure for numerical shock instability in the HLLC Riemann solver. Jour-
REFERENCES


REFERENCES


Stefanos Samaras, Doina Nicolae, Christine Böckmann, Jeni Vasilescu, Ioannis Binietoglou, Lev Labzovskii, Florica Toanca, and Alexandros Papayannis. Using Raman-lidar-based regularized microphysical retrievals and Aerosol Mass Spectrom-
REFERENCES

Shankar:2018:RLA

Safdari:2016:NBG

Starinshak:2015:SRA

Starinshak:2016:MES

Slevinsky:2017:FWC
Richard Mikael Slevinsky and Sheehan Olver. A fast and well-conditioned spectral method for singular integral equa-


Sturdevant:2016:FTS

Salmasi:2018:DEC

Straub:2016:BAR

Schmidt:2017:KBL

Sharan:2018:TSO
Sturdevant:2016:IPC


Schmidmayer:2017:MN


Spence:2015:GAO


Snedden:2015:NMS


Stoll:2016:FSO

Martin Stoll, John W. Pearson, and Philip K. Maini. Fast solvers for optimal control problems from pattern formation. *Journal of Computational Physics*, 304(??):27–45, January 1,


P. Salinas, D. Pavlidis, Z. Xie, H. Osman, C. C. Pain, and M. D. Jackson. A discontinuous control volume finite ele-


Schlachter:2018:HPS


Sirignano:2018:DDL


Subber:2018:PTI


Solomenko:2017:LSM


Shadid:2016:SFS

Safta:2015:HDC


Schmitt:2016:DMN


Stosic:2016:GAE


Sadovskii:2017:MWP


Smedley-Stevenson:2015:ADL


REFERENCES

Silva:2017:LHO


Sarkar:2017:EOP


Stiller:2016:RMH


Sato:2016:CDD


Shrestha:2015:NSM

REFERENCES


Seol:2019:IBM


Stolk:2016:DMS


Stoltz:2017:SSD


Salimi:2015:NLR


Stricker:2017:NSA

Strain:2018:FFT


Stuck:2015:AVF


Stuck:2017:DCS


Shervani-Tabar:2018:SCL


Shi:2016:STC


Subramaniam:2017:TPI


Svard:2015:WSC


Sekaran:2018:ANC


Shi:2015:ABE


Shen:2016:CST

REFERENCES

Schmidtmann:2017:HES


Song:2017:MGN


Shankar:2018:MFS


Singh:2018:STD


Samulyak:2018:LPM

REFERENCES


<table>
<thead>
<tr>
<th>Reference</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scovazzi:2017:AVN</td>
<td>Guglielmo Scovazzi, Mary F. Wheeler, Andro Mikelić, and Sanghyun Lee. Analytical and variational numerical meth-</td>
</tr>
</tbody>
</table>

**Shen:2017:MPS**


**Sheng:2016:SMP**


**Schlanderer:2017:BDI**


**Schoepplein:2018:AEA**

Shin:2018:SFA


Shen:2015:CST


Su:2017:MED


Su:2019:HOH


Song:2015:SDS

REFERENCES


REFERENCES


<table>
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<tr>
<th>Reference</th>
<th>Author(s)</th>
<th>Title</th>
<th>Source</th>
<th>URL</th>
</tr>
</thead>
</table>


REFERENCES


REFERENCES


REFERENCES

Tamain:2016:TCE


Tripathy:2016:GPB


Takash:2018:NAB


Trozzo:2015:ABE


Tveit:2015:ISS

[TBLM15] Svenn Tveit, Shaaban A. Bakr, Martha Lien, and Trond Mannseth. Identification of subsurface structures using elec-
REFERENCES


REFERENCES


Trehan:2016:TPQ


Tavelli:2017:PBS


Tavelli:2018:AHO


tenEikelder:2017:ACS


Thornber:2018:FEM


Treister:2016:FMA


Taneja:2018:FCD


Tierens:2016:HOH


Tierens:2018:EPS

Terashima:2012:ASG


Tauriello:2015:CSP


Terashima:2015:CAS


Turinsky:2016:MSC


Tang:2015:MUI

REFERENCES


Zhanjing Tao, Fengyan Li, and Jianxian Qiu. High-order central Hermite WENO schemes: Dimension-by-dimensional


[TMH16] Nathaniel Trask, Martin Maxey, and Xiaozhe Hu. Compact moving least squares: an optimization framework for gen-


REFERENCES


REFERENCES


REFERENCES

Torrilhon:2017:HBS


Thiagarajan:2018:SAQ


Tsalamengas:2015:QRW


Tsalamengas:2016:GJQ


Trahan:2018:FAA

REFERENCES


REFERENCES


[Taverniers:2017:IPU]


[Taverniers:2017:TCD]


[Togo:2016:SCT]


[Todarello:2016:FVG]


REFERENCES


REFERENCES


Velikovich:2018:GNS


Virta:2015:IWA


Vreman:2016:TOM


Vinas:2018:FBV


Veske:2018:DCF

REFERENCES


REFERENCES

Vides:2015:STD


Vogl:2017:CAC


vanOers:2017:HDG


Voskov:2017:OBL


Vanharen:2015:TNA

REFERENCES


REFERENCES


Vermeire:2016:PES


Vachal:2016:PSS


Vachal:2018:VCE


Vermeire:2017:UGA


Vecharynski:2015:PPC

Wu:2018:HAF


Waclawczyk:2015:CSR


Walker:2016:SOS


Wang:2016:SEA


Weiner:2017:ASS


Wrobel:2016:RIS


Wackers:2017:CAG


Winters:2017:UDE


Wang:2015:PAM

REFERENCES


REFERENCES


REFERENCES


Wang:2018:NCC


Wang:2017:EIT


Winters:2018:CSP


Wen:2018:ECS

Jinghua Wang, Q. W. Ma, and S. Yan. A hybrid model for simulating rogue waves in random seas on a large temporal and

[Wang:2018:FNN]


[Wasserman:2016:PPI]


[Watanabe:2017:GER]


[Wahlsten:2018:RBC]


[Watvisave:2015:HMD]


[Wang:2015:DGR]


REFERENCES


Wu:2017:USG


Weyens:2017:PNC


Woods:2019:NSE


Wang:2015:MLB


Wang:2016:ACA


REFERENCES


REFERENCES


[WW18] Bin Wang and Xinyuan Wu. Functionally-fitted energy-preserving integrators for Poisson systems. *Journal of Com-

Wintermeyer:2017:ESN


Wintermeyer:2018:ESD

Wintermeyer:2018:ESD


Waluga:2016:MCC


Weinmuller:2017:PAS

Weinmuller:2017:PAS

REFERENCES


REFERENCES


Xu:2015:PMT


Xia:2015:FDS


Xie:2015:AMR


Xie:2016:NMP


Xi:2018:MTE

Xiong:2015:HOA


Xu:2016:NCC


Xie:2017:EMM


Xu:2017:DDO


Xie:2017:NIG


REFERENCES


REFERENCES


[XXR18] Qing Xie, Zhixiang Xiao, and Zhuyin Ren. A spectral radius scaling semi-implicit iterative time stepping method


[YC17] Nail K. Yamaleev and Mark H. Carpenter. A family of fourth-order entropy stable nonoscillatory spectral coloca-
REFERENCES

Yan:2015:ASM

Yang:2015:HOC

Yuan:2017:FEB

Yang:2018:MFI
Yazdani:2016:FCD


Yang:2017:HOC


Yang:2018:UCS


Yagub:2015:LBM


Yaghmaie:2018:CMF


Xiaobo Yang, Weizhang Huang, and Jianxian Qiu. A moving mesh finite difference method for equilibrium ra-


REFERENCES

You:2018:HOM


Yao:2016:NMA


Yuan:2017:RIM


Ye:2015:CDS


Yang:2016:ESH

Yoon:2015:AFD


Yang:2017:ERJ


Yao:2017:NMO


Yoon:2017:CER


Yeo:2019:DLA


Yang:2016:DDG


Yang:2016:NSF


Yang:2017:NPS


Yang:2017:MMM


Yang:2015:NVP

Yu:2015:ODR


Yang:2016:HSC


Ying:2015:NFE


Yu:2016:ELB


Yang:2016:MFS

REFERENCES


REFERENCES

Yang:2018:IMF


Yuan:2015:IBM


Zerroukat:2015:MBS


Zerroukat:2015:MCT


Zadeh:2011:MCS

REFERENCES


Zhao:2017:GFE


Zhang:2015:VIR


Zhang:2018:AMS


Zakari:2015:AUF


Zheng:2017:NAT


REFERENCES

Zhang:2018:FDS


Zheng:2016:AEA


Zhang:2016:QRF


Zhen:2015:AEC


Zhang:2016:CBT


REFERENCES

Zhao:2016:PIM


Zhang:2015:RTS


Zhang:2015:CSI


Zayernouri:2015:FSC


Zivcakova:2018:DGM

Zhang:2015:FSM


Zhang:2015:ITD


Zhang:2015:SEH


Zhou:2015:NTD


Zhao:2018:ALC

Zhang:2018:TOG


Zhou:2018:DMR


Zhang:2017:ALB


Zhang:2016:APM


Zhang:2016:EMP


REFERENCES


Zhou:2015:LBS


Ziegelwanger:2017:PMM


Zimon:2016:NCN


Zhong:2018:IBI


Zhang:2015:EFE

REFERENCES


REFERENCES


REFERENCES


[ZW16] Qian Zhang and Xiao-Ping Wang. Phase field modeling and simulation of three-phase flow on solid surfaces. *Journal of Computational Physics*, 319(??):79–107, August 15, 2016. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-
We refer to the following publications for detailed information:

- **Zhu:2018:SDI**

- **Zhu:2017:PEG**

- **Zimmerling:2016:LMO**

- **Zhou:2018:SON**

- **Zou:2017:SFT**
  Dongyang Zou, Chenguang Xu, Haibo Dong, and Jun Liu. A shock-fitting technique for cell-centered finite volume methods on unstructured dynamic meshes. *Journal of Computa-
REFERENCES


Yinhao Zhu and Nicholas Zabaras. Bayesian deep convolutional encoder-decoder networks for surrogate modeling and uncertainty quantification. *Journal of Compu-
REFERENCES

Zhang:2015:MTS


Zhong:2016:CCF


Zeng:2016:FDS


Zheng:2015:NID


Zheng:2016:MLR


Zhu:2016:IUG


Zhang:2019:NVE


Zhang:2017:NHO