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08 November 2018  
Version 1.63

Title word cross-reference

\( (2 + 1) \) [PS17]. \( (d^2/dx^2 - h^2) \) [Kas15]. \( (r, v_r, v_\theta) \) [VSC18]. \( (S_N) \) [OWKE16]. 0  
[TCS16a]. 1 [ALTR17, BK17c, CGMH18, CSK+16, EL18, JKE+17, Nor15,  
VLP+16, XQ17, YC17, ZGJ16]. 13 [SGP17b]. 2 [BK17c, BT16, BC16c,  
CGK17, CZ17, CSK+16, FL18, FNGV18, FNGDMNR18, GFL17, GHL+16,  
Hu17, IG15, KQB18, LMPS15, LM15a, LGB17, LZT+15, LY16a, LGD17,  
Mue18, NMM18, PG17, PKJ+18, PMGW16, 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, FGL16, FYC+18,  
GBM16, GWC18, HW+16, JBLO15, KE15, KES18, KC17c, KFWK17,  
LFRH17, LML+16, LHM16, LZ17a, LLJJ18, MKYZ17, MG15b, MC15,  
MF16a, MW17b, Noc15, PGCG18, PK17, PR16a, PTT18, SNSG16, SFT16,  
ST18b, SA15, ST18c, Sto16, SSL+16b, TCD17, TRL15, TCL15, VLP+16,  
WXW15, WSH+17, YSWS16, YFJ18, YTW15, YXD+16, YPK16, ZZZ17,
ZHS18, ZVO15, ZYCK15, dBIM16, dJRP+15. 4 [MCHL16]. 2 [RKO+17b]. A
[SLH18]. β [CS16a, OLHD17]. C [KD17b]. C0 [XJG18]. C1 [KS16a]. δf
[SP16c, SPCH16]. ℵl [JES15]. f [Ido16, KYPK15]. h
[BBC17, JKE+17, TXvdV16]. hP [HEPG15, HZ15, MSP15]. K
[ZTT+16, HY16, KL16, KFL17, LHS+18, LZB+17, LHMB18, PBC+17]. L(α)
[PKK18]. L1 [LT17c]. L2 [FSB16]. l1 [GNZ18, PHD16]. LU [RTV17]. R
[dHC16]. H [CDC17]. µ(I) [FNGDMNR18]. N
[CBZ18, Don15b, Don17, Don18, YD18, PF15]. nth [FYF+15]. O(N)
[CV16b, XL17b]. ω [LZB+17, LHMB18]. p
[BST+18, FSWW17, HZ15, SS17b, TABR17]. P0 [WYZZ18]. P1 [WYZZ18].
P_N [Her16, LMH16, ZM16b]. P_n - P_n(D_G) [Mel18]. II [HAPK15]. P_N [HE15]. r
[BRW15, DTA+15, VW16]. R^2 [CHCC18]. S [PKLS17]. S_N
[HR18a, SWG+17]. t [GWE+15]. τ [Ani16]. θ [GCVCH18, KTK15]. ϕ
[DTA+15]. X [WHEK18]. y' = F(y, t)y [JFS17]. z [DTA+15, VW16].

-Adaptive [HEPG15, BST+18, BRW15, TXvdV16, TABR17]. -adaptivity
[JKE+17]. -boxes [SS17b]. -continuous [KS16a]. -coupled [CBZ18].
-criterion [KTK15]. -D [Sto16, WSH+17, CCZC16, FGLB16, JKE+17,
JBO15, LM15a, LJTZ+15, Nor15, YC17]. -eigenvalue [KL16, KFL17].
-exact [HY16, PBC+17]. -grids [KD17b]. -isothermal [TXvdV15].
-Laplacian [FSWW17]. -matrix [CDC17]. -method [GCVCH18].
-minimization [GNZ18, JES15, PHD16]. -multigrid [BCB17]. -order
[FYF+15]. -parameters [PKLS17]. -periodic [ZHS18]. -point [WHEK18].
-projection [FSB16]. -stable [PKK18, SLH18]. -stage [CSS17].

0012 [FW17].

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

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

307 [KYW+18]. 344 [NG18, SWMD17a]. 348 [HGN17a]. 361 [DK18a].
4U [HAPK15].

ABCD [PD15]. ability [KKZ15]. above [GP16b]. Absorbing
[Pin15, SK15a, AMP16, GGT15, LH16, SJH+15, VAD17]. absorption
[DFR18, DCA+16, DJV+18, WWRS17]. accelerate [BT17a, PKW17].
Accelerated
[CMR+16, AC17, CWM+16, CG18, CRZ17, GKE15, HPY18, JTD16, KH18].
PTMF18, RGW16, SMAG17, VWV17, WL16, YZW+18, ZMCC18. **Accelerating** [Gen15, MN18a, SLR+16, XZZ15]. **Acceleration** [BPF+16, HLQ16, PT18, SAOW17, WB16, AJW17, BBBG15, CLGA17, DMAM15, Fon16, Mas18, PSP16, SB18, SWG+17, TWM18, YXD+16, MAM16].

**accelerator** [VMN+18, TC15a, TKC15]. **accelerators** [SR18]. **acceptance** [PDS15]. **account** [LYDB17, SSL+16a]. **accounting** [Noe15]. **accumulation** [HMBH15]. **Accuracy** [CNG99, CSB15, GDS+16, GR15, Nis15, NL17, Pei16, BK17a, CB16, CNG17, CoDLL18, CSK+16, DBZ17, Ful17, FFBB16, FYO+15, GH17a, GO16, KDF15, KGS17, LS16a, MDMS18, MA16, MSH+15, OMLdL16, SM16, Sla16, TLR16, WZ15, WKPS18]. **Accuracy-preserving** [Nis15, NL17].

**achieving** [MN16c]. **Acoustic** [AN15, BBN18, Gib18, APKP16, BHJ18, BLS16, CGL18, CCZ15, CLQ17, DBD+17, DSS18, GFC18, GH1+16, HLL+16, IM15, KZ15, LWYC18, LB16, LMM17, MB16, MBNJ16, MKYZ17, MDW18, MSS16, PG17, PWC18b, RZ17, RRD16, SZW+16, TP17, TRK18, TLB+18, VAD17, WLW+18, ZGD+16, bWAW15, dFGS+17, tEDKT17]. **acoustic-convective** [tEDKT17]. **acoustic-transport** [PGM17]. **acoustic-wave** [GFC18]. **acoustically** [DXvW18]. **acoustically-conservative** [DXvW18]. **acoustics** [SK15a, ZR17]. **across** [KF17, LMM17]. **action** [WY17]. **activation** [VLP+16].

**Active** [ZLC+18, CELI15, DCP15, DKPC15, KBG+15, RBJS15, RC18]. **actuated** [BBMN18]. **Adams** [ZM16a]. **Adaptation** [KRFV16, ALO18, BOA17, BD16, CGL18, DLK17, FBG15, GCMK15, GSN17, HK15b, KLA17, SW15, TSB17, TVB+16, TG17, WBB16, WCT18]. **adaptations** [VLAB18]. **adapted** [BBMN18]. **Adapting** [BHdD18].

**Adaptive** [ABP+16, BV15, BDM17, BS15b, CEH16, FW18, PASS16, GB+ZB16, HEPG15, HX15, LW17a, LH17b, LNM15, MG17, MBBK17, PS16, PR17b, QB16, RKO+17b, SS15a, SL18, TCA16, TH15, VN15, ZAK15, ZLH+17, ZHI5, AMS17, AWS16, AC17, BGS16, BHL15, BST+18, BHS+18, BST15, BRW15, CPV16, CC17a, CQ15, CS16c, CTG16, CY1L18, CYWL17, DS16, DMS17, DS15d, EL17, FO15, FGLW18, FBM16, FLA17, FHA18, FC16, GB15a, GRT18, GT15, HD18, HS17b, HS18a, HIN+16, HHL17, HY16, HY1L7, Hu17, HXX18, HW16c, HC18b, IGQ15, JW15a, JJ18a, KCW17, KG15, KDPK15, LS16a, LL15, LZB+17, LHMB18, LHT17,
LH18, MBSS15, MNG15a, MMSS15, MGBG16, MW17b, MDAB18, MSB+16, MM16d, MM18, NVBDV15, NBH18, Pop15, PVBL17, QLF16, RDG17, RDM15, RS15b, SRBO17, SwS16, SWHV16, SC16, SD18. adaptive
[TCS16a, TMWF18, TXKvdV16, TL15, TSB+18, TABR17, URL16, WD+17, WDS15, WBM15a, XWZ+18, dIAC17, BDV17, CoLL18, PSB+18, WSJY16]. Adaptive-Mesh-Refinement [SL18]. adaptive
[HC18a, TR17]. adaptivity
[APP+16, BHZ16, GBD+15, JKE+17, OKWE17, WKOE17]. added
[BHKS16]. added-mass
[BHKS16]. adding
[DL18a]. additional
[Abg18a]. additive
[ADE+17, CHZ16]. address
[AM17b]. addressed
[CSCM16]. ADER
[BK16a, BLD15, BTVC16, CTM+16, DPRZ16, DPRZ17, Jac17b, JC17, NMM15, NMM16, NMM18, Nor15]. ADER-MOOD
[BDL18a]. ADER-type
[BTVC16]. adhesion
[ISST18]. adhesive
[FRL15]. ADI
[BC16c, FBF15]. adiabatic
[BLVC16]. adjacent
[GMP16, ZYK18]. Adjoint
[AMJ17, Blo17, RPC+18, SW15, Cac15a, Cac15b, CYYL18, DK18a, DK18b, HL15a, JW15a, KPKG15, LYPP17, Loz17, MMMS15, SSC+16, Stil15, VBF15, XRMM15, ZP16]. Adjoint-based
[AMJ17, RPC+18, SW15, CYYL18, JW15a, Loz17, MMMS15, SSC+16]. adjoints
[CvKH16, HCVH18, Ani16]. ADM-
[Ani16]. admissibility
[BT16]. adsorption
[ZQCT15]. Advanced
[TK16, TM17, WB17, KH15, KJP18, SSL+16b, Zoh17]. advances
[PC16]. advancing
[AW16, CCdL15, ZJ18]. advected
[HM17]. advecting
[PR16b]. advection
[AAL15, APP+16, BFT17, BTVC16, CCK18b, CSH15, EHXM15, GS15a, IM17b, JZ16, LN17, LLP+16, LE16, LPB17, LZ17b, LLLN18, MD18, MS18b, MK15, MN16a, MMvR18, MSP16, MN16c, NL18a, PCF15, PPCK17, QDRB15, SF18b, SP15b, TSH17, TAR17, Vab18, YWH15, ZJL16]. advection-diffusion
[BFT17, CKK18b, GS15a, LE16, LZ17b, LLLN18, MS18b, MK15, MN16a, MMvR18, MSP16, NL18a, TSH17]. advection-diffusion-reaction
[BTVC16, JZ16]. advection-dispersion
[PCF15, PPCK17]. advective
[AJV17, BHdD18]. advective-diffusive
[AJV17]. aeroacoustic
[ZHZ16]. aeroacoustics
[GGW17, Loz17, TZ16]. aerodynamic
[GGW17, Loz17, TZ16]. aerodynamics
[SPP+16a, TVB+16]. aeroelastic
[LHY17, MM17, SPP+16a]. aerofoil
[KH15]. aerosol
[CMR+16, FSK+16, FL16, SNB+15]. aerosols
[SNB+15]. aerothermal
[ED16]. AETHER
[TC15d]. affect
[VW18]. affine
[JST17]. affine-particle-in-cell
[JST17]. Affordable
[sCYxL+18, WG16b]. against
[sCYxL+18]. age
[LDWZ15]. agglomeration
[BCB17]. aggregate
[GP17]. aggregation
[XR17]. aging
[SAH17]. air
[CHE+17, DBD+17]. aircraft
[KYUO15]. airfoil
[FW17]. airfoils
[CP17]. al.
[CFO18, YM15]. ALE
[BQCIG17, BMC+18, CGP16, DGI16a, DLM18, FRW16, Liu16, OMLdL16, RDG17, RXS16, ZS16]. Algebraic
[CvKH16, CFvKH18, HCVH18, TAH16, ANL+16, BST+18, HRH15, RWG18, TWH15, WS16]. algorithm
[ABN15, ALM15, AA15, BSK15, BHKS16, BHST17a, BHST17b, BHST18,
BDabee15, BCM15a, Bre18, BZ16b, BKG15, CPV16, CM16a, CC16a, CS16a, CC17a, Cha16, CQ15, CZ17, CRMP16, CWJ18, DFM17, DXvW18, Don15b, Don18, DHC16, EAAM15, ETAG15, EBQ15, FL18, GLZ16, Gen11, Gho17, GJ15, Grl18, HSK+15, HTZG17, HPV16, HYL17, HHK15, KBK15a, KC17b, KKLs17, KF17, KK16, KL18, KJ17b, KJ18, LM15b, LL18, LL15, LMC16, LBH+16, LY17, MS15a, MBHS17, MA16, MKV+17, NOM+17, NKN+17, NSB15, NLL+15, PVFN15, PSB+18, PKLS17, PN17, PLWJ16, Ram17, RYZ18, RC18, RL16, RL18, RL17, ST16, DD17c, SWS+18, SKS17, SP+15, SW17b, SO15, SR18, TCSM15, TPTT18, TH16, VYP15, VBG+17a, WK18, WS16, WKOE17, WS15a, Wu16, XL17a, XDSX17, XZZ15, XL17b, YJ17, YD18, Zad11]. algorithm [ZMF15, Zau16, ZZDB15]. Algorithms [ZZSK15, AN15, BSP18, CWF16, CCK+17, CQL+17, CM18b, DNBH15, DPW+15, DLC15, DFS16, Dom18, EG18a, HBC+16, HGR16, HS17b, HSLQ15, IPSG15, JHT+18, LL16a, LSLA16, LLL16, LKSM17, Loh17, LT17b, MGCW18, NSK+16, PT17a, PWP15, PT17b, RKO17a, RS15b, SSDN15, SBT17, Sl16, WZ18b, ZPE+16, ZRE16]. aligned [KKLS17]. all-hex [RGW16]. all-Mach [FP18]. all-regime [CGK17]. all-scale [SDH+16, SSX16]. all-speed [AIP17]. Allen [JJ18a, KJYC17, WX17]. allowing [CSCM16]. alloys [DMS17, OTS17]. almost [VK15, BPTA16]. Alternating [LP16b, LZT+15, SS16b, SZ17]. Alternative [BVG+16, MG15b, Pei16, PSP16, WLGD18]. Ampére [DL17, CCZ15, TC15a, TKC15, WBBC16]. Amplitude [GHL15, GHL+16]. AMR [DWGW16, PSB+18, DD17c]. AMS [TAH16]. analogue [BN17]. Analyses [YM15]. Analysis [AJP15, ADOP18, BG16b, CYYL18, CoddL18, GK18, HTMP17, JL16, LZ+17, UWH17, YCBC15, AMJ17, AW18, AA15, ACJ17, ADP+17, BK17b, BHST17a, BHS+18, BM16, Bl17, BW18a, BGM16, BTVC16, Cac15a, Cac15b, CKK18a, CBC+18, CW16, CNW17, CNOS15, CC17c, CSL15, CV18, Cwv]16, DC18a, DD18, DK18a, DK18b, DMSC16, EL18, GB15b, HD15, HW16b, JRPS18, JPLL15, KS16a, KMD16, KSV+15, KFL17, KD17b, Kri17, Lap16, LT15, LDL+16, LL17, Lia16, DV17, LBB+17, MBJ16, MBNJ16, Me18, MDSM18, MHGM+15, MDDM17, MTL+17, MF16b, MSP15, MSP16, NW17, NF17, OWKE16, PXXZ15, Par17, Pei16, PZF16, QS16, RWK16, SVG18, SUR18, SSM+17, SW17b, SPB16, TCA16, TST+15, VPM15, VPV+17, WHCN17, XB18, YJB18, ZMF15, ZZW+16, ZBZ+18, dLDG+18]. analytic [LGB17]. Analytical [AHHC18, QWXZ17, SWML17, AB17, ALTR17, CZ16, DF16, DH18a, EAAM15, FK17, LC18, LC17a, MD15, MTD15, TM15b]. analytical-stochastic [DH18a]. analytically [RR+16]. analyze [UG16]. Anatomically [ANL+16]. anchored [MS16b]. anchored-ANOVA [MS16b]. anchoring [AHHC18]. Anderson [AJW17, PSP16]. anelastic [SHLG15]. aneurysms [YPK16]. angle [CHE+17, Don17, Gan15, Hig17, KL15, TSR15]. angles [BF18, HKS+16].
Angular [DL15, ABP+16, BCG+15, GBD+15, JST17, KL15, MFG15, OWKE16, ZM16b]. Anisotropic [Biu16, BDV17, CS18a, DPK17, ALO18, BJWZ17, BOA17, CPV16, CGL18, CLS+18, CSG17, Chu17, FBBG15, GMP16, GFG+15, GH17a, HHA16, MDT16, PS15b, RMA17, SAE17, SS17c, SDW18, TW17, TMT17, TTN+16, VLAB18, WHY18, ZSW17, vEKdB16].

Anisotropy [CGG18, YC16]. annealing [ZWYW18]. anisotropy [CGG18, YC16]. annealing [ZWYW18].

antenna [SFDE15]. anti [KSSL18, ZZW+16]. anti-hourglass [KSSL18]. anti-plane [ZZW+16]. any [RCRF16]. AP [WSJY16]. AP-Cloud [WSJY16]. aperture [SG18]. apertures [SL16a]. Application [APP+16, AS17, AP16, Bal15, CC17a, CGM15, EG17, GPS17b, GCVCHH18, HHC15, KSV+15, LSLA16, MMNI16, MG15b, MB15, NOM+17, NMM15, OS16, Ps18, RC18, SRBÖ17, SWS+18, SZ15a, SI16, SI17, TCD17, Tav16, TWM18, VAL16, Zau16, ASB+15, Ama18, AJW17, BCSK17, BLG+16, BTA17, BZ16b, Cac15b, CGS18, CHK18b, CP16, Cot16, CWJ18, DS16, DL17, DAO17, DS15d, EJMI18, FBL17, FPT17, GWC17, HKH+16, HTMP17, IPSG15, JL18c, KG15, KFWK17, Liu16, LEB+17, MRA16, MKY17, MP16, MSP15, NMM16, NBH18, PKK18, RXS16, SDMS17, SWS17, SW17b, TMWF18, TSB+18, TD16b, TRLK18, Vog17, WY17, WSS+15, WB17, WKS15, XYF+17, YR15, Ys17, ZM16a, Abg18a, BD15b, HTBG15, NMM17].

Applications [Chu17, KKL15, KHP15, MM16c, NFG15, PSB+18, PQR17, TBG16, TCS+16b, ACCCDA16, ALK16, AAD16, AdS+15, BHK18, BDP18, BW18b, CCK+17, CBN+16, DDJ17, DLC15, DV+15, DY17, DZC16, FK17, GBR15, GFO18, HWW+16, pHzSrC15, JL15, Jou15, KADE15, KADE17, LB17, LSD18, MWD16, MW16b, MS17, MS18c, NLFM16, Ram17, RG15, Say17a, Say17b, SA15, Spe15, SCLG15, TP17, TMH18, YN17, YL16, ZzSK15, ZPE+16].

applied [AGRB18, BC16a, DCP15, DZ16, DGL+15, GBD+15, GFvR18, HR18b, JrD+18, LML+16, NRZS17, PBA+15, PA15, SWPS17, WS16, ZCHS15, dFVJ15].

Approach [TK12, TK15b, ADGF17, AMJ17, AS17, AR16b, AAM+15, AM17b, BVM+17a, BB17, BHS+18, BSM16, BDP18, CGS18, CHK18b, CE18, CNOS15, CJL16, CFPB17, CN16, CG16, DG18, DvB17, Dom18, EO15, EZG16, Eva18, EE16, FQZNI18, FG16, FKR16, FFJT16, FG18, FYC+18, GTL18, GR18, GLS15, GWE+15, GPG17, HFND18, HB16, IST18, JH17, KDI17a, KKS15, KM16b, KP15b, KES18, KL15, KW16, KV16, LZ18, LSWF16, LZ15a, LSP+18, LO16, LMSK17, LH18, MVKD15, MR+15, MCM18, MN16a, MRN16, MPR+18, MD15, MWB+15a, MWB+15b, MT18b, NJPB17, OS16, OB17, PMS15, PHÖ+16, PHRA16, PE15, RFGSV15, RT16, RO16, RS16a, Ric15, RSD17, SP18, STEK17, SKS17, SZ15a, SXY18, SLB+16, SDA17, SW18b, SWHV16, SMOM+17, SP15b, SV17, SIX16, TFGK18, Tav15, TT17b]. approach [TAJ+17, TND18, TABR17, Vos17, WLL16, WT16, XYPT16].
XWW⁺16, XWZ⁺18, YS18, YL16, ZL15b, ZC18, ZZPH18b, ZZPH18a, ZCL17, dJRP⁺15, tEDKT17. **Approaches** [LL17, CFG16, CPSF17, MMPS17, SGA⁺¹⁵, YGEM17]. **Approximate** [EAAM15, KEJ18, KKLS17, MKYZ17, PP18b, Ama15, AB17, BSWG15, CLY⁺¹⁵, LZT⁺¹⁵, MM16a, WHL17, WSN⁺¹⁵, WLG⁺¹⁶, XM18]. **Approximated** [LDGH16]. **Approximating** [CFO18]. **Approximation** [ABM16, BC16b, CT15, KK17a, LB15, OS16, ALKZ16, AEL⁺¹⁵a, AEL⁺¹⁵b, VMN⁺¹⁸, BDKK17, BA15, BZ15, BKKRB16, CL18, CQ15, CSLL15, CLP16a, Cot16, DH18b, DCK15, DZC16, EMZ16, GNZ18, pHzSrC15, HKLZ18, HB16, Ike18, Jou15, KZR15, LTKA15, LLNS16, LLVF⁺¹⁵, LYA16, LY17, MML17, MP15b, MP16, MB15, MN18c, PCX17, ST18a, SWX18, SAOW17, SVDW18, WX18, YYL16, YY16, ZCL17, ZNX15, ZV18, Zil15]. **approximation-based** [LLY15]. **approximations** [AEL⁺¹⁷, BGN15, BFFB17, CLC16, CMW16, DY17, FFBB16, FPV18, GMS16, Hig15, JW15a, Kay15, KS15a, KS16b, LLS15, LN15, LHA15a, MN04, MN17, MSP16, PUA⁺¹⁵, VLAB18, WYZZ18, WG15, WF17, YZW17, YY17, ZGJ16, ZzSK15]. **APR** [COdLL18]. **Arakawa** [SLN15]. **Arakawa-like** [SLN15]. **Arbitrarily** [BW17d, GLS15, GBS15, LBTK18, LIW18, OLV16, PN18, SUR18, TCS16a, TS16, WX18, ZLGS18]. **Arbitrary** [BMR⁺¹⁶, BLD15, BD17, CNG99, TD18, WW15, ADGN17, ATF16, BI1B18, BS15b, CNG17, CJL16, CYL⁺¹⁶, CE17, CR18, CGGH17, DL15, DY16, DF16, GC16, GTG15, GL17, HR18a, HL16a, JHL17, KTN15, LL16b, LTR16, LK16a, LHW⁺¹⁷, LYPP17, LVL18, LNM18, MN15, MW16b, MTK17, MWB⁺¹⁵b, NSB15, OLD⁺¹⁶, OKE17, PW18b, Rag15, SWMD17a, SWMD17b, Spe15, SGT16, SGT17, TCS17, TkF17, WH17, XX16, XX17, ZSW17, dTP16, AB16]. **Arbitrary-Lagrangian** [BLD15, BD17]. **arbitrary-order** [CGGH17, JH17]. **arc** [Par15]. **arc-like** [Par15]. **Architect** [MAM16]. **architecture** [TCS⁺¹⁶]. **architectures** [AAB⁺¹⁶, RGPS17, RHvR⁺¹⁵, ZAK15]. **area** [JB15]. **Aris** [GR15]. **arising** [BKRB15, GSMR18, HLTC18, ILNS17, PGH15]. **arrays** [LB16, SFDE15]. **Arrow** [DFM17]. **Arrow-Hurwicz** [DFM17]. **arterial** [DHC16]. **arteries** [GDFL17, GFL17, YPK16]. **artery** [BFI⁺¹⁶]. **artifacts** [MSG18a, MSG18b]. **Artificial** [Rod17, Rod18, WBM⁺¹⁵b, CM18a, CJD⁺¹⁷, DRM15, FRRV16, HIN⁺¹⁶, HP17, Mue18, RH18, Str17, TLB⁺¹⁸, W118, YM17c, FBC⁺¹⁶]. **ASAM** [Cac15a, Cac15b]. **aspect** [St16]. **aspects** [PM16, TC15a, TKC15]. **asphaltene** [ELH⁺¹⁶]. **assemblies** [LL18]. **Assessment** [BD18, XWL⁺¹⁶, HBC⁺¹⁶]. **assimilation** [ADP⁺¹⁷, FDS⁺¹⁵, FG18, GS15c, GM16, KYUO15, MP17, MCGS16, NP16, RS16a, RVMR17, SD17, SWH16, SSN15, YNW17]. **associated** [A´APB17, Bre18, Don18, OvdHVH16]. **astrophysical** [KB18]. **astrophysics** [KFF⁺¹⁷, Teu16]. **Asymptotic** [BLMY17, CKK18a, CWY16, DD17b, DMTB15, JXZ15, MC15, SM15, BLS16, BT16, CX15, CD17, CV17, DLM18, Hiv18, HW15b, JLQX15, JL17a, JS17, LP17a, SJKX15, SJKXL15, TW17, WY16, XJLQ15, ZL16, DDD17].
Asymptotic-Preserving
[DD17b, JXZ15, BT16, CDN17, HW15b, JL17c, JS17, WY16, DDD17].

Asymptotically [NMM16]. Asymptotics [LLS15]. Asynchronous
[LPBR15, SGL17, AM17a]. asynchrony [AD17]. asynchrony-tolerant
[AD17]. atmospheric [AZ16, CGSS18, FL16, KMS+18, KG15, KS17, Mel18,
MM16c, SY16, SWMD17a, SWMD17b, SDH+16, SSX16, SKG17, SZS15,
TLLF15, ZCHS15, ZA15a]. Atom [LEK17]. Atom-partitioned [LEK17].
atomic [TY17]. atomically [FGLB16]. atomically/kinetically [FGLB16].
atomistic [CDX+18, FOF15, FHS17, FS15, VKE+18]. atomistically
[FRL15]. atomization [GHR17, LSYF15, SLC+18]. attractive [Rua18].
attractive-repulsive [Rua18]. Auction [JME18]. augmented
[SNK18]. AUSMD [Niu16]. auto [ZKS+15]. auto-covariance
[ZKS+15]. autofocus [ML18]. automatic [KJ18, TO15, ZJ18]. automaton
[DMS17]. autoregressive [HHR15]. auxiliary [XY18]. avalanche [VBG+15].
avalanches [FNGV18]. averaged [BTB15, CLW18, LZB+17, LHMB18, XWW+16].
averages [RL17]. averaging [BB15, DWGW17, MSG18b, SPCH16]. avoid
[MSG18a]. avoiding [NWKC16, Wal16]. avoids [SYM15]. Aware
[TS18, BKS18, DS15a, DS15b, LRZ17, NBH18]. axi [RZ17]. axi-symmetric
[RZ17]. axial [ZCL17]. Axisymmetric [NM17, FH17, TBD16, HR17,
LFK18, LB16, LWB+16, LMB18, VSC18, Xie15, ZCHS15, TBLJ15]. axon
[MW16a].

B [CZBC+18, FGLB16, SLVE18, YZT+18]. B-spline
[FGLB16, SLVE18, YZT+18]. B-splines [CZBC+18]. Babich [LQB16]. back
[BF18, Obs15]. back-scattered [BF18]. backflow [BC16a]. background
[BJK17, ION+17]. backward [PBB15, PKK18]. Baer
[CHS17, D16a, FRR16, LDG16, TT16]. Baer-Nunziato [DG16a].
Balance [PM18, CMT+16, LPWK15, LM16, MRX17, MN16c, NLF16,
RPC+18, TM15b, WYA+17b, XZZ15]. balance-Monte [XZZ15]. balanced
[AASPT18, ABT16, CCK+18, FNGDMN18, FGLB16, LX18, LMKS15,
LAEK18, MDBCF17, NMM15, NMM16, NMM17, NMM18, PN17, PME+15,
XCD17]. balancing [CV17, GFA+16, JBL15, KJ18]. ball [CW18].
ballistic [TP16b]. ballooning [WSH+17]. band
[AAB+16, KH18, MHI15, WHZ18]. band-Krylov [AAB+16]. banded
[HH17]. bandgap [DBD+17]. bands [BVM16]. Bandwidth
[WCT18, HNB15]. Bandwidth-based [WCT18]. Baroclinic
[OLH17]. Barotropic [CF16a, XWB15, YR15]. barrier [AW16]. BASE
[HDB18]. Based [AB16, DJV+18, AAE17, APV+18, AMJ17,
AS15, AS16, AB16, AA15, ABT17, ABdC+18, BJO18, BSK15, BTD16,
BFI+16, BD15a, BK16a, BVG+16, BCO+15, BBF+17, BIR18, BC18c, BM16,
BZ15, BDBE15, BTBV15, BCM15a, BS15b, BGG16, BCB17, BCD16,
BKL17, CDM+16, CCHL15, CGS18, CDC17, CGL18, CC16b, CJ+17,

...
CQ15, CJL16, CZ16, CYYL18, CLL17, CLX15, CGJ16, CLQ17, CELZ18, CMH15, CV16b, CYWL17, DRP+16, DCA+16, DRM15, DC18b, DXvW18, DPW+15, DF16, DLK17, DL18b, EH14, EH15, ES18, EMZ16, EE16, FRL15, FW17, FG16, Fid17, FB15, FPDT17, FK17, FSK+16, FC16, GLL18, GSS15a, GZ17, GH15, GOR17, GO15, GCVMK15, GFA+16, GBD+15, GN16, GAJ15, GJ18, GSN17, GFW16, HGR16, HEPG15, HZL+15, HTZG17, HP17, HDA+18, HMFC18, HW15c, HW16c, HLL+18]. Based [HKS+16, iI15, ISST18, JW15a, JL18a, JKE+17, JZ15, JLD16, KM17, KFR18, KJ18, KR16, KRP15, KKR15, KKL17, LC17, LNY17, LM16, LML16, LNL16, LLL+18, LXX18, MBD+15, MB16, MGB16, MMB18, MGD15, MKS18, MW16b, MP17, MGB16, MMS15, MVZ16, MCHL16, Moh15, MZ15, NPR15, NL17, Ni16, OC18, OS16, OSP17, ÖPA15, OV17, PXXZ15, PC17, PDG+17, PD17, PPLC16, PUA+15, PR16a, PHRA16, PLJW16, PSMPG17, PR16c, PMB18, RO16, RY18, RRM+16, RMLR18, RXG15, RXS16, Rz15, RPC+18, SNS16, STR15, SRO15, SNB+15, SBT17, SPB17, SLH18, SL18, SGC+17, SSC+16, SP16a, SF18b, SW15, SLL16, SO17, SL16a, St16, SW17]. Based [TC15a, TKC15, TW17, TLQ16, VLAB18, VBG+17b, Vo17, WG16a, WW15, WR15, WDS15, WKL17, WSN+15, WCT18, WCCB16, WH16b, WHZ18, XZ18, XYPT16, XX16a, WQZ15, WF17, XQ17, XLY18, XLY17, YZT+18, YXX+16, YB17, YZZ15, YCS+17, ZL15a, ZHA17a, ZC18, ZVO15, ZSX17, ZYCK15, ZGD+16, ZM16b, ZCL17, ZL15c, ZLC18, ZNG17, ZPE+16, dFGS+17, tEDK17]. Bases [AAE17, LMB15, MJ17, RS16]. Bashforth [ZM16a]. Bashforth/Moulton [ZM16a]. Basic [DC18b, WRL16a]. Basis [HD18, Mue18, SNK18, TST17, AH15, BVS18, CQ15, CS18b, CS18a, FGB16, FBW16, GB16b, HX15, JES15, JL17b, JWH16, KKL15, KMG16, LB15, LLI16c, LHY17, Lot18, MVK15, MF17, ML16, MR16b, OS16, PDG+17, SKS17, SMT+16, Sha17b, SF18b, SW18a, SP15b, TG17, WQZ15, WF17, XYPT16, XL17a, YYY18, ZLH+17]. Basset [CFO18]. Bassi [MRKRF16]. Bateman [BP18, JFS17]. bathymetry [WWG17]. Bayesian [AAPB17, CBZ15, CS16b, CN16, CMW16, EZG16, FO15, FK17, GWE+15, HAP15, HY17, KKL15, KL17a, Kou16, LBTC16, LP18, LZ18, LL15, LMT15, CPP15, NS16, PPP17, SPP+16a, SPB16, WLL16, XXW+16, YEG17, ZZ18, dFGS+17]. BBM [BNS17]. BDDC [KC17]. BDF [HEP15]. be [CSCM16, ZB+18]. Bead [DCE15]. beam [MS15c, MM15, YZ17]. beams [LHB+16]. bed [LMK15, NMM18, RZ15]. bedding [ST16]. beds [BVM17]. behavior [KGT15, LWY17, MTL+17, SDJ15, YG18]. behaviors [ZW15]. behaviour [LIW18, RS15b]. Beltrami [LYPP17]. BEM [BLJ17, Dodd17, FH17, ZGD+16]. BEM/FEM [Doo16]. Bénard [BGM16]. Benchmark [LP16a, ZR17]. benchmarking [PJE+16]. bending [WJD16].
KL15, KS15b, KS16d, LMPS15, LFDP16, LL16b, Li17, LDWZ15, LWB+16, LXS16, LM15d, MG17, MK15, MHGM+15, MKV+17, NSL16, Os15, PL16b, PMGW16, PGGW18, PF16, RS15a, RTO15, ST18a, STW16, Shi17, STG17, TS16, WSY15, WSHT15, WSY16, WGME17, WZRZ15, WZL+17, Xie15, XJ16, 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, OLV16]. Boost [ALT17, Rua18]. both [CFF18]. bottleneck [OZ17]. bounce [Ols15]. bounce-back [Ols15]. bouncing [SFI15b]. Bound [EHXM15, HS18b, QSY16]. Bound-preserving [EHXM15, HS18b, QSY16]. boundaries [AB17, BLS16, EG18b, FB17, GSN16, HF18, JSY15, LH16, LSLA16, MAK15, MM18, RF18, ST18a, YM17b, YTW15]. Boundary [BCD+15, BCO+15, BDL+17, BAR15, CV18, DKK15, GZ17, GBS15, HY15, KZ15, MAvdW18, Pan15, PF16, RVZB15, RCF+18, SGT17, TSN16, TBLJ15, WSY16, AR16a, ABN15, AB16a, AMS17, AB18, AMP16, AHHC18, ACS16, AGB18c, AR16b, BC18a, BBKS16, BKP16, BXY17, BRK+18, BNM15, BBF+17, BDB18, BC18b, BNK18, BBN18, BNS17, BPTA16, BSP18, BG16a, BHF15, Bre17, CDL17, CGL18, Cha16, CG18, CYWL17, DDJ18, DGT17, De18, DSH+16, DC18b, Don17, Don15a, DS15c, Don17, DSSP18, DL18c, FR18, Fa15, FH17, FG16, FPDT17, FN17, GP17, GGT15, GLMC16, GC17, GVTQ16, HL15a, HTFL18, HGW18, HP17, HR17, HKH+16, HLY15, HLSY16, HHY16, HDF18, He15, IK15, JSP16, JLJ15, JW15b, JSY15, KDF15, KLSF15, KADE15, KLC18, KHHN16, LTB16a, LC15, LEKL17, LM18, LXC+15, LFDP16, LBZA16]. boundary [LCK16, LZ17b, LC17b, LD15, LTWZ18, LHW+17, LYPP17, Loz17, LFT+16, LHA16a, MS18a, MS18b, MK15, MAP17, MA17, MKS18, MP15b, Mue18, MN18c, Nis15, NL18a, NW15, Os15, OPHT15, PLL+15a, PHHR17, PNZ18, PPLC16, PJK+18, PCN15b, PN18, PLL15b, Pes15, PTT18, PE16b, PMF15, PDRB17, PG18, PGH15, PV17, QSB18, RS16b, RS18, RDG17, RG17, RZ17, SS17a, SWS17, SL17, SKF15, SKF16, SHKL16, SF18a, SK15a, SMA+16, STG17, SLVE18, Sm18, SMLB15, MSAR18, ST18c, SMOM+17, SGT16, SHP+16, SCLG15, Stii15, SJ+15, TCD17, TP17, TTN+16, Tsa15, Ts16, TFK17, Val15, VAD17, WN18, WG16a, WZ15, WE15, WCH+17, WL18, WS15a, WB15b, WBME17, XY17, YK15, YS15, YD18, YM17b, YZZ15, ZL15a, ZB15, Zha16, ZG18, ZY17, ZSX17, ZLL+17, ZHZ16, ZRT18, dTP16, SCS16]. Boundary [SIX16]. boundary-constraint [XY17]. Boundary-Lattice [PF16, LFDP16, WSY16]. boundary-layer [NL18a]. boundary-value [WZ15]. bounded [AG18, BLS16, Don17, IM17b, JHPAT17, KBR17, LI15, NGY+17, YLA15]. Boundedness [HDA+18, SMD18a, SKC17]. Boundedness-preserving [HDA+18]. bounds [BM+18, HFDN18, MSK18, MM15, Tso18, WK18]. Boussinesq [UL16, ZA15a]. boxes [SS17b]. Bracket [Suz18]. Braginskii [MP16]. brain [TT17a]. branches [XL17b]. break [GWY18]. breaking

C [SRB´O17]. CAF [GBR15]. Cahn [HTMP17, CS16c, CLS+18, DD16a, DJLQ18, GX15, HW15a, JJ18a, KS16a, KmdB16, KJY17, L1JZ15, LCK16, MGCW18, Tav16, WX17, ZSX17, ZYCK15]. calculate [LSP+18, WT16]. calculating [DB16a, SWZ17]. calculation [AA15, CLY+15, CHE+17, For16, GZ18, HS17a, HM16b, KH18, Mac15, MDP18, Q15, SY17, SP16, Yan17]. calculations [ADFG17, CSN18, EH14, EH15, GLZ16, HED+16, HLTC18, KK16, LHS+18, LKN17, LLYF+15, L1Y6d, LY17, MJ16, Mas18, MDP+15, PDDG+17, PUA+15, PD16, RO16, WKSS15, XS15, ZJLC15, ZLH+17]. calculus [CC17c, MHS16, SM15, SP18, VBL+16]. Calderón [DDV+15]. calibrate [LSWF16]. calibration [FOF15, KL17a, N1HM17]. Can [WDG+17].

Canonical [CQL+17, LBZ16, KS16b, RBD17, ZZH16, ZZZ+16]. capabilities [AKZ16, PJE+16, SSC+16, SP16b]. capability [MMP15]. capillary [DvW15a, HM16a, LSMS17, LW18, LT15, MC17, SPD+17, TBLJ15, ZZZ17b]. capsule [BLJ17, ISST18]. Capturing [Sid18, BJ15, GHR17, JSS15, JLC15, KYW+16, KYW+18, KLW17, LTWZ18, OSKN18, PSS17, QWX18, SP15b, WL17, XX17]. Caputo [DZC16]. carbon [GGL+17]. carbuncle [sCYxL+18, Rod17, Rod18].

cardiac [CGG18, MSV+16, VLP+16]. cardiology [PQR17]. Carlo [BC16b, Gho17, Mac16, AR16a, BP18, BTA17, CSS15, Cha16, CL17, CSN18, CG15, CW18, CHE+17, Cos16, DPW+15, DG16c, EARA15, EN17, FDK17, GB15b, GMS16, Gen11, GDS+16, GAIJ15, GBU15, Hig17, H1C7, HMCR16, ION+17, KM17, KMS+18, KL16, KC17b, KES18, KK17b, KLG108, LS15a, LBTCG16, LPU18, LYCC17, LB17, LXL17, LWL18, MNO+17, MZTS16, MSS16, NHA18, PJE+16, PUA+15, PDS15, RFPSA18, RKH15, SY17, Swe18, TIR15, WBC+16, WL16, XZZ15, XR17, YS17, ZLJ16, Zil15, vdKK16].

carrier [vdKK16]. carriers [SU15]. cartesian [ADOP18, FGLW18, ACS16, BNK18, Cal16, CXL16, DDJ18, DM16, GP17, GNK18, HS17b, HS18a, HLL+18, LPW15, LGB17, MM16d, MM18, QDRB15, QLF16, R1B18, STK+16, SLY16, Stil16, dbIM16]. cascade [SFT16].

cascades [FBL17]. cascadic [PHHR17]. case [BH16, CGS18, FNGV18, MRRF18, Rod18, VSM16a, VSM16b, WLE17, ZR17].

CASL [TK16].
casting [Swe18]. Cauchy [LY16a, MST15, PZF16]. cavitating [ESHA16].
cavitation [MC18, ÖPHA15, PZ14, PZ15a]. cavities [VMN+18, GFvR18, HK16b, LGO17, PLL15b, UWH17]. cavity [EN17, GKE15].
cavitating [ESHA16]. cavities [MC18, "OPHA15, PS14, PS15a]. cavity [VMN+18, GFvR18, HK16b, LGO17, PLL15b, UWH17].
CCH [BMCK15]. CCS [SFT16]. CCS-RG [SFT16]. CE [WMS18]. CE/SE [WMS18]. Cell [CLMZ17, DFS16, LAL18, TMT17, AR16b, BTGM17, BTM18, Bat17, BNK18, BMRA+15, BDZ15, BDLM18, BLC+17, Bra16a, BMCK15, CHJT17, CGP16, DM16, DJV+18, DL15, DL16, FGLW18, FLW16, FS17b, GBM16, GFA+16, GNK18, GH17b, GPG17, HWD+16, HXLL15, ISST18, JST17, KKH18, KHTZA16, KBF17, Lap17, LPW15, LY15b, LSD+17, LSTkM15, MM16, MHZ+15, MM16d, MM18, NRZS17, PxRS17, PE16a, PHÖ+16, PM15, RH18, SGMS16, SSM15, SCLG15, SPCH16, dCPDC+17, TM15a, VSM16a, VSM16b, WHY18, WCCB16, YXD+16, ZXDL17, AG18, DDD17, MNO+17, MSD+17].
cell-based [KBF17]. Cell-centered [LAL18, TMT17, BDZ15, BDLM18, BMCK15, CHJT17, CGP16, DL15, FGLW18, FLW16, GBM16, LY15b, LSTkM15, VSM16a, VSM16b, ZXDL17].
cell-centred [Bat17]. cells [DF16, HXLL15, HG16, PG18, XL16]. cellular [BB17, DMS17].
cellular-scale [BB17]. Cellwise [CSH15]. center [PKK18]. centered [BDZ15, BDLM18, BMCK15, CHJT17, CGP16, DL15, FGLW18, FLW16, GBM16, LY15b, LSTkM15, VSM16a, VSM16b, ZXDL17].
centred [AGBL15, Bat17]. centroidal [YGJ18, FHA17a]. cerebral [YPK16]. certain [GSS15a]. Certified [SFDE15]. CESE [YFJ17, YFJ18].
CFD [EH15, XS15, ALO18, AdS+15, BLG+16, EH14, LKK17a, LKK17b, MS16b, MM16, MH18b, VLTPS16, YCPD15].
channel [BK15, DG16c, KCS+17, KP15c, KFWK17, SHLG15, ZV16]. channels [WBM+15b, ZMF15].
chaos [ABM16, ARG+17, ATM+18, AM18, GG17, GNZ18, HD15, HD18, JES15, KSV+15, KS16b, LMT15, OB17, PH16, SS17b, SG17, JL18a, TG17].
chaotic [Blo17, BW18a, CNW17, LIA16, NW17]. Characteristic [HTZG17, NF17, FL16, HP17, Huc15, JYS15, LLP+16, SW15, SW16, WGME17].
Characteristic-based [HTZG17]. Characteristics [FSK+16, APR+15, BR15b, BR16, HL16b, LM15b, WPB15, ZCL17, ZWG17].
Characteristics-based [FSK+16]. characterization [AABD15, AABPD17, DKTH15, SNB+15]. Charge [TC15a, TKC15, AP16, BV18, GZ17, MXL16, NOM+17, RMC15, SU15, vdK16].
Charge-and-energy [TC15a, TKC15]. charge-conservative [NOM+17].
Combination

Combustion

Comment

Communication

Comparative

Compatible

Compatible-strain

Complex

Complexity

Component

Compositional

Compound

Comprehensive

Compressible

Composition

Compounding

Compact
compressible [VBF15, WW15, WLM15, WCH+17, WS15a, WDGW17, WL17, XYF+17, YSW15, YSWS16, YWS+16, Zha17c, ZHA17a, ZMCC18, dBM16, dFVJ15, dLDG+18, dPS16, vOM17]. compressible-fluid [FHA16]. Compression [LY15c]. Compressive [HD15, LSD18]. Comput [ASS17, CNG17, Dav15, DK18a, Gho17, HGN17a, KYY+18, MN17, NG18, PS15a, SWMD17a, SYV17, TK15b, ZJS15]. Computation [BDMC15, GGL+17, HKLZ18, MHL17, MTD15, NL15, Pru18, ALT17, BJRF18, BLL16, CC17b, CPS17, CG16, DG16a, Dod17, EMZ16, FFW17, FCL17, FBG15, FYC+18, GH15, GFvR18, GLMC16, ION+17, KH15, KSVB18, LVTR15, LO16, LDGH16, LDHJ15, MBSS15, NCP+17, PSB+18, PK17, SCQP16, Tre16, ZZH16, ZLX17, dMRHJ17]. Computational [AK17, BTGM17, BGT18, BR16, Cac15a, DD16a, EI15, FKF17, Fon16, Gam15, HSK+15, Kat16, MSV+16, PQR17, VS17, WHCN17, X15, YG18, Zoh17, AFL16, BB17, LL17, BZ16b, BKL17, CCBdL15, CV16b, HHCG15, JC17, KS15a, KSV+15, KP15b, KZG16, KBF17, LFR17, MMNI16, Moh15, NPC15, NG16, PVFN15, SBG+17, SLC+18, XTS+16, ZR17]. Computationally [HMBH15, Tav15, PMS15, SXBB15]. Computationally-efficient [HMBH15, PMS15, SXBB15]. Computations [Niu16, EN17, Fal17, FH17, FSB16, ISP+15, KD17a, KH17, MS18a, MS18b, MC15, MMSS15, PKA+16, RDG17, RXSG15, SGC+17, Sha17a, SMS18, WMM+18, WQ17, ZS16]. Computer [Fed17, KL17a]. computers [GP18, WLC15, YM17a]. Computing [BJTZ15, VNM+18, CAA18, GN16, HLTC18, VCN18, XP15, ABR16, Cac15a, Cac15b, DLN15, GH17b, GP16c, HAP15, HXB15, NJP17, OD15, RGP17, RLP16, RDG17, RXSG15, SGC+17, Sha17a, SMS18, WMM+18, WF17, ZS16]. compute [FDS+15, PWC18b, RG15, SKF15]. condensates [ALT17, Rua18]. condensation [FS16, KKL17]. condensed [MN16b]. condition [BS18, BG16a, Don15a, Don17, GSK18, GSN17, HG18, HYY15, KLSF15, LM18, LHA16a, MK15, Muc18, Ols15, PLL+15a, PZNG15, PKJ+18, SF18a, SL16b, SJH+15, Vat15, WYS16, YD18]. condition-enforced [WS16]. Conditional [FLV18, LDHJ15]. conditioning [DPRZ16, MML17, Par15, Par17, Par18b, SF18a]. cone
configuration [MP16]. configurations [RG15]. confined
[GBCF15, GBCF16, GSS15b]. Confinement [Ram17, Sid18]. conformal
[ADGN17, BC16d, Dom18, iI15, MC17]. conformation [MOAA15].
conforming [CZBC18, RRD16]. conjugate
[ALT17, MBHS17, NSK16, PLC18, STK16, VYP15, VBG16, YK15, ZO15].
connected [LDL16]. connectivity [Liu16]. Conservation
[Sla16, Abg18a, AW18, BD15b, BCI15, BT16, BK16b, BLD15, Bra16a,
CCRD17, CHOR17, CS17a, Cho15, Del15, DC18b, DL18a, DL18b, EFT15,
FPA16, FS15, FS17b, FHA17b, FHA18, GSK18, HLS15, HAH16, IBML16,
IC17, IDSG15, JLI18c, KG17, KG15, LMS17, LPG18, LMBZ15, LY15,
LY15b, LHGF16, LS16, MDVM16, MRX17, MB15, MFG15, NT15, NMM16,
NR17, NG17, NG18, Nor15, PXR17, SW17a, SL18, SW15, SWLZ15, SW16,
SWPS17, SPP16b, SKC17, TLQ15, TM15a, TKP16, VNA15, WLGD18, ZPW18,
ZQ16b]. Conservative
[ARF18, ADGN17, CCS18, CNG99, CCK18, IM17b, PF15, TPT16, VSC18,
AHNF15, AMH18, Abg18a, AASPT18, APP16, AM17b, BN17, BTB15,
CQQ16, CN17, CC16a, CC17b, Cha18, CD17, CSH15, DGMT17, DXV18,
DSS18, DB16b, EHX15, FGL18, FL16, GSK18, GWWC17, HHA15,
HSK15, HYY15, JW16, JH17, JJ18a, JJ18b, KJYC17, KL18, LGH18,
LH15a, LHA15b, MS18c, NOM17, NN17, NF17, OvdHV16, PN18,
PHH18, PA15, QWX18, SGMS16, SA16, SFT16, SWLZ15, SL16, SY18b,
SMAG17, SK18, TCS16a, TND18, Wac15, WW16, WH15, WZ15, WKO17,
WRL18, Zad11, ZA15b, ZG17, FRO17]. conserved
[Sto17, WSS15]. conserving
[BC18b, BMC18, CC15, FGL16, HJZC17, JST17, Lap17, LSYF15, OD17, PG17,
SLN15, SD16, TC15a, TKC15, TCSM15, WG16b]. considerations [Od17].
considering [MKV17]. consistence
[LHA15a]. Consistency
[Don17, AWJ17, NG17, NG18, Stiu15, Stiu17]. Consistent
[MLB16, ADGF17, BAGK16, BCI15, DK18a, DK18b, DW18, Don18,
HHR15, HL15a, JSP16, KSI15b, KRR18, MD18, OMDL16, O18, OL16,
OLB17, PKP17, PNZ18, PN17, Pei16, PS14, PS15a, PMG16, RMC15,
STK16, SK18, TFGK18, TTN16, TKP16, TSR15, Wac15, WY17].
consolidation [AGR18]. Consortium
[TM17, TK16]. constant
[BMPS18, LTKA15, MNR17, OKE17, WG15, ZC18]. constants [OKE17].
constitutive [TBO18, ZLC18]. Constrained
[BKS18, Cot16, CLNH15, TPB16, FMPT18, JME18, MAP17, Moc17,
Tav15, TD16b, VLN18, XX16]. constraint
[BTGM17, BGTM18, CEL18a, FG18, RS16a, SD17, XY17].
constraint-preservation
[BTGM17, BGTM18]. constraints
[ADE17, DRP16, EST17, HX16, WT15]. construct
[Abg18a, SGC18]. constructed
[SGC18]. Constructing
[AEAM15, FN17, LTR16, DB18, EG18a, HRH15, KV16, RT16, XY17].
Construction
[HY17, RSB16, AG16, MW16b, OS15a]. consumption
[FYO15]. Contact
[LRZ17, ABG18b, DL17, Don17, FB17, FRL15, FPV18, Gai15, HW18,
HK18, KHS16, LPG16, LD15, Liu16, LDGH16, LHA16a, MAK15, PR16b,
SYY15, SSA17, TP16a, XT18, YY17, ZGD16, ZVO15].
contact-angle [Don17]. Contact-aware [LRZ17]. containing [LKB15]. contaminant [Har18]. Contents


[Ano16-48, Ano16-49, Ano16-50, Ano16-51, Ano16-52, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano16k, Ano16l, Ano16m, Ano16n, Ano16o, Ano16p, Ano16q, Ano16r, Ano16s, Ano16t]. Contents

context [KGS17]. continential [CS18a]. continua [CEL+18b]. Continuation [BVM+17a, BZ16b]. continued [Ano16-48, Ano16-49, Ano16-50, Ano16-51, Ano16-52, Ano16-46, Ano17-47, Ano17-48, Ano17-49, Ano17-50, Ano17-51, Ano17-53, Ano17a, Ano17-27, Ano17-28, Ano17-29, Ano17-30, Ano17-31, Ano17-32, Ano17-33, Ano17-34, Ano17-35, Ano17-36, Ano17-37, Ano17-38, Ano17-39, Ano17-40, Ano17-41, Ano17-42, Ano17-43, Ano17-44, Ano17-45, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i, Ano17j, Ano17k, Ano17l, Ano17m, Ano17n, Ano17o, Ano17p, Ano17q, Ano17r, Ano17s, Ano17t, Ano17u, Ano17v, Ano17w, Ano17x, Ano17y, Ano17z, Ano18a, Ano18b, Ano18c, Ano18d].

Continuity [BVM+17a, BZ16b]. continous [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, CX15, CDX+18, DK15, DPRZ16, DPRZ17, GSL18, HS17a, Har18, HKS+16, Jac17a, KGP+17, LSC16, 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, VL18, WBM15a, YK15, ZILZ15].


convection-diffusion [Cui15, HY15, HHY16, LP16b, LFT+16, SPZ18].
convection-diffusion-reaction [JJ17, KS15a]. convection-dominated [Shu16, WB17]. convective [Don15a, MS15b, STK+16, tEDKT17].

convective-like [Don15a]. Convergence
[FFHE15, HD15, JPLL15, SAEF17, AWJ17, Ata15, CBC+18, GB15b, GSS15a, GDS+16, GDA16, KmdB16, KW15b, KDL15, LHA15a, MZA17, NNW17, PWP15, SHA16, SVG18, SDJU15, WTL17, YJB18, ZHLZ18, ZS17].

convergent
[IZ18, NKN+17, OS15a, OL16, SLH18, Svå15]. 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
[BTB18, CX16, EHXM15, EEG+15, FRW16, HB15a, LBZ16, LMB18, OvdHV16, PS15b, TLH15, TVB+16, VBL+16, VSC18, YFJ18]. coplanar
[KW15b]. copolymer
[CYS17]. Coriolis
[ADOP18, SD16]. Corner
[DBZ17, BMCK15, ZFZ15]. Corner-corrected
[DBZ17]. corner-free
[ZFZ15]. corners
[DCCC16, HK18b, SR16, Tsa16].

corona
[VBG+17a]. coronary
[BGI+16]. Corrected
[CW18, DBZ17, HR18b, LKSM17, Loh17, RMF+18, RSD17, SFDE15]. Correcting
[BH16b]. Correction
[Kat16, AMN18, ALL18, BG16a, CWS18, CL15, CCGH17, DRP+16, DiW15b, DS15c, GLTB18, GXX17, HX16, HDA+18, HLQ16, HXX18, JLC15, JLF17, KW15a, KS16d, PK16, PBC+17, RÖS16, RS17, SMS16, SM16, SW15, WMYG16, BK17a]. correction/finite
[KW15a]. corrections
[WWR16]. corrector
[BK16a, PHRA16]. correlated
[Zau16]. correlation
[AKZ16, LT17b, TMWF18]. correlators
[BPF+16]. Correspondence
[Moc17]. corresponding
[STR15]. Corrigendum
[ASS17, BR16, CNG17, Dav15, DK18a, GBCF16, HGN17a, KYW+18, MN17, NG18, PS15a, SWMD17a, SYV17, TK15b]. corrosion
[JS16]. CORS
[SD15a]. cosmic
[BPF+16]. cosmological
[SPM+15]. Cosserat
[AMM+15]. cost
[CBCdL15, LHMB18, LY15c]. Couette
[JL16]. Coulomb
[HLL+18, RKH15, TStr15, YC15]. count
[HSF17]. counter
[ZW15].

counter-intuitive
[ZW15]. counterpart
[SPP15]. Counting
[GP18]. couple
[BMT18]. Coupled
[BLS16, CMDL18, FKL17, GAS+18, QWX18, RTG15, AEL+15a, AEL+15b, AEL+17, B18, BK16b, BUK16, BKRB15, CBZ8, CGS18, CWW16, CYS17, COV18, CFP17, CMM15, DGW18, DMAM15, DLM18, DPRZ17, GDS+16, GC17, HGN17a, HGN17b, HM16b, JTR16, JGS16, LGH+18, LMK15, LY16c, LW+17, LRGO18, MMN16, MR+15, MG15b, MNO+17, MMMS15, MKV+17, PF16, QYF15, RRD16, SDM+17, SMOM+17, SF16, TH18, TMWF18, TPT16, TTT17b, TPTT18, TC15a, VLP+16, WE15, WED15, XDvW17, YS15, ZL15b, ZZPH18b, ZZPH18a, ZSX17, ZB+18, MHL17, SGD18]. Coupling
[CFG16, JH15, LB17, MNG15a, MDL16, MTZ16, Wic16, ALK16, BCD+15, BRK17, CDM18, DKPC15, E16, FH17, FHE15, HBC+16, HG17, HLS16, ISST18, ID17, KLC18, LPB17, LMC16, LPBR15, LMN18, PCN15a, PHÖ+16,
PAL$^{+}16$, PWP$^{15}$, PME$^{+}15$, TKB$^{+}15$, TAJ$^{+}17$, VKE$^{+}18$, WWR$^{16}$, WPB$^{15}$, WED$^{15}$, XYF$^{+}17$, YG$^{18}$, ZYK$^{18}$, ZRE$^{16}$, dSPDH$^{15}$. Courant [GSK$^{18}$].
covariance [BCSK$^{17}$, ZKS$^{+}15$]. covariances [FDS$^{+}15$, ZH$^{15}$]. covered
[ELH$^{+}16$, MDW$^{18}$]. covering [PLWJ$^{16}$]. CPR [CLNH$^{15}$, ZLFW$^{18}$].
CPR-MS [CLNH$^{15}$]. CPU [CoDL$^{18}$, FJLC$^{18}$]. cracks
[Par$^{15}$, Par$^{17}$, Par$^{18b}$]. Crank [FBF$^{15}$, HYL$^{17}$]. Creating
[RRM$^{+}16$, Zau$^{16}$]. creeping [PZNG$^{15}$, PGCG$^{18}$]. criteria
[GKRB$^{17}$]. criterion [KTK$^{15}$, RMP$^{18}$, TZ$^{16}$]. CRKSPH [FRO$^{17}$].
cross [ABT$^{16}$, CV$^{16b}$, Dod$^{17}$, DJD$^{+}17$, JDFS$^{16}$, KFL$^{17}$, LMGG$^{17}$].
cross-section [ABT$^{16}$]. cross-sections [LMGG$^{17}$]. crossed [HN$^{18}$].
crystal [DBD$^{+}17$, GHL$^{+}16$, LSL$^{15}$, SLL$^{16}$, YH$^{17}$, YC$^{16}$]. crystals
[CSG$^{17}$, KLWQ$^{17}$, NWZ$^{18}$, PD$^{16b}$, ZYSW$^{16}$, ZZW$^{+}16$]. Cubature
[PR$^{17a}$, LTXB$^{17}$, vDBKD$^{17}$]. cubed [IDSG$^{15}$, KC$^{17a}$, YP$^{17}$].
cubed-sphere [IDSG$^{15}$, KC$^{17a}$]. Cubic
[LFR$^{17}$, LT$^{17b}$, LY$^{15c}$, LY$^{17}$, PK$^{17}$, SP$^{18}$, SL$^{15}$, ZYW$^{16}$]. cubic-quintic
[ZYW$^{16}$]. CUDA [JL$^{18a}$, PTMF$^{18}$]. cumulant [GPS$^{17a}$, GPS$^{17b}$].
cumulative [Hig$^{17}$]. cure [Rod$^{17}$, Rod$^{18}$]. curl [DGL$^{+}15$, LY$^{18}$].
curl-curl [DGL$^{+}15$]. Current [MSV$^{+}16$, BGV$^{17}$, BCB$^{15}$, CCZ$^{15}$, KE$^{15}$, MTD$^{15}$, RBG$^{15}$, WMY$^{18}$, dSPDH$^{15}$].
current-driven [CCZ$^{15}$]. currents
[AAL$^{15}$, PK$^{17}$]. Curvature [LHA$^{16a}$, AZ$^{17}$, BDPM$^{18}$, CRMP$^{16}$, CG$^{16}$, EDr$^{17}$, IM$^{15}$, LA$^{16}$, OD$^{15}$, OCSC$^{18}$, Vog$^{17}$].
Curvature-Augmented [Vog$^{17}$]. curvature-inducing [LAA$^{16}$]. curved
[BD$^{18}$, CE$^{17}$, Chu$^{17}$, CHD$^{+}18$, FB$^{17}$, FP$^{16}$, GSN$^{16}$, GA$^{18}$, HHY$^{16}$, LD$^{15}$, NN$^{16}$, Pas$^{16}$, RRD$^{16}$, ZL$^{15b}$, Zha$^{16}$]. curves [Wal$^{16}$]. curvilinear
[AB$^{17}$, BDV$^{17}$, BC$^{16c}$, CC$^{16a}$, CTT$^{16}$, CX$^{16}$, DWR$^{18}$, EHX$^{15}$, JG$^{15}$, PS$^{15b}$, SSVL$^{18}$, TLR$^{16}$, WR$^{15}$, WWG$^{17}$, YF$^{18}$].
Cut [ÖPHA$^{15}$, BNK$^{18}$, CW$^{17}$, DM$^{16}$, GNK$^{18}$, GEZ$^{16}$, LSD$^{+}17$, MM$^{16d}$, MM$^{18}$, PH$^{+}16$, SGM$^{16}$]. cut-cell
[BNK$^{18}$, LSD$^{+}17$, MM$^{16d}$, MM$^{18}$, PH$^{+}16$, SGM$^{16}$]. Cut-element
[ÖPHA$^{15}$]. cut-stencil [GEZ$^{16}$]. CVD [AEL$^{+}17$]. CVFEM [Dom$^{18}$].
CVFEM/DG [Dom$^{18}$]. cycle [SPP$^{+}16a$]. cycling [SPC$^{16}$]. cylinders
[BP$^{16}$]. cylindrical
[KS$^{15b}$, ÖV$^{15}$, Ovd$^{16}$, SCQ$^{16}$, TL$^{15}$, VSC$^{18}$]. cylindrically
[MTD$^{15}$, MDT$^{16}$].

D [CZ$^{17}$, CSK$^{+}16$, DWGW$^{16}$, DSSP$^{18}$, PS$^{17}$, Sto$^{16}$, TCS$^{16a}$, TRL$^{15}$, VLP$^{+}16$, WSH$^{+}17$, ZJS$^{15}$, AG$^{16}$, AHHC$^{18}$, ACS$^{16}$, ALTR$^{17}$, BHZ$^{16}$, BK$^{17c}$, BGV$^{17}$, BDK$^{+}17$, BS$^{15a}$, BT$^{16}$, BSM$^{16}$, BC$^{16c}$, CBC$^{+}18$, CGMH$^{18}$, CDL$^{17}$, CGK$^{17}$, CCZ$^{16}$, CZ$^{16}$, CX$^{16}$, CSK$^{+}16$, DBD$^{+}17$, DF$^{16}$, Dod$^{17}$, DD$^{16b}$, EL$^{18}$, FDS$^{+}15$, FL$^{18}$, FNG$^{18}$, FNGDMNR$^{18}$, FGLB$^{16}$, FYC$^{+}17$, GBM$^{16}$, GFL$^{17}$, GWC$^{18}$, GHL$^{+}16$, HWH$^{+}16$, Hu$^{17}$, IG$^{15}$, JKE$^{+}17$, JBL$^{15}$, KQB$^{18}$, KE$^{15}$, KES$^{18}$, KC$^{17c}$, KFWK$^{17}$, LMP$^{15}$, LM$^{15a}$, LFRH$^{17}$, LML$^{+}16$, LGB$^{17}$, LHMB$^{16}$, LZ$^{17a}$, LLJJ$^{18}$, LZY$^{15}$, LY$^{16a}$, LGD$^{17}$, MKYZ$^{17}$, MG$^{15b}$, MC$^{15}$, MF$^{16a}$, MW$^{17b}$, Mue$^{18}$, NMM$^{18}$,
dielectrics [MG15a]. diffeomorphisms [CRW16]. Difference
[SYV17, AD17, AW18, Ali15, AA15, BBKS16, BH16a, BH18, Bra16c, Bre17, BTT18, BTWY15, CBS18, CLC16, CTG16, Che18, Cho15, CR18, CYWL17, DLK17, DvWZ18, Fan16, FGLW18, GSS15a, hGwSzS15, GS15a, GH17a, GS16, GHL+16, GL17, HZL+15, HF18, HA1H, JKE+17, JW15b, KW15a, Kay15, KS15a, KJYC17, KL17b, KPJ18, LH16, LLYC16, LHMB16, Li17, LMBZ15, LWYY18, LYZ15, LY15b, LN15, LMMS16, MN04, MN17, NN15a, NF17, OLDN17, OS15a, OV17, PS15b, PS17, RBI18, RWN18, Sha17b, SF18b, SYV14, SZ17, SK18, TLH15, TBO+16, TPK16, WLM15, WH15, WDS15, WH16a, WLGD18, WLW+18, WT15, WA18, YYL16, YHQ15, YLA15, YX15, YM15, YWHP15, ZZK16, ZL15b, ZSQ17, ZQ16b, dFJN16, GSS15b, Mas18].
difference-boundary [BBKS16]. difference/embedded [Cho15].
difference/finite [BBKS16]. difference/spectral [CLC16]. Differences
[BHJ18, ABFR16, CZL+15, CPS17, FBW16, LTB16b, MF17, TRLK18].
differencing [DvW15b, FAZ16, TK12, TK15b, WJD16, WBM15a]. different
[LCK16, OSTS17]. differentiable [Bar18]. differential
[AD17, ADH+16, AEAM15, Beg15, BZ15, BSWG15, BR17, BT15, CGS18, CAA18, CXH15, DLL+17, hGwSzS15, Guo17, GN16, GXX17, HO15, HBR15, HZ15, JW15c, JX15, JX17, KNS15, KR17, LLYC16, LL16c, MS16a, MR16a, MPR+18, MT+16, MTBT18, NYNYM15, NBH18, Opp17, Pis18, PF15, RPK17a, RK18, RMP18, SR16, SNN15, Sub15, Sub18, TY17, TST17, TO15, VCNPG15, WZ18b, XY18, XHC15, YHKPF17, YJB18, Zhwq].
differentiation [CWL+16, LAK+16, YCPD15]. differentiator [SZF15].
diffraction [HN17b, ZED15]. Diffuse [FB17, PN18, ZDGW16, CSN17, De18, KS16c, KS18b, LD15, NFG15, WSS+15]. diffuse-interface [KS18b, LD15].
Diffusion
[BSWG15, LLS15, Ali15, ADHN15, ACJ17, AHKT17, BJO18, BL18, BB16, BBEE15, BPT17, BTVC16, Cac15b, CCK18b, CNOS15, CLC16, CHY16, CLZ18, CLR15, CG15, CCM15, Cui15, Cswys16, DS15a, DS15b, DD16a, DMS16, DY17, DB18, Fu16, FBF15, FHE15, GSS15a, GSS15a, GSP17a, GSP17b, GB15, GLW18, GL17, HG17, HSC16, HY15, HYY15, IZ18, JPL15, JW15b, JW16, JZ16, JLLZ15, JJ17, Kay15, KS15a, KKL17, KBK15b, LE16, LL18, LP16a, LPB17, LW17c, NLLNS16, LZ17b, ML17, LMMS16, LP16b, LM15c, LLLN18, LFT+16, Luc15, MBSS15, MMNI16, MD18, MS18b, MK15, MN16a, MM15, MP15a, MMvR18, MDDM17, MSP15, MSP16, MW15, MN16c, NN18, NL18a, Nis18a, Nis18b, PD15, QDH15, Rag15, RB15, RZ18, SAWE17, SWG+17, SF18b, SY16, SYM15, SYM17, SMD18b, SSM15, SX15, SGA+15].
diffusion
[SPZ18, SPRW15, SDW18, SLZ+17, TNN15, TW17, TK15a, TSH17, TMT17, WZ15, WY16, WW17, WH17, WH18, WCL15, WZ17, YHQ15, YYN+17, YM17b, YLA15, ZS15, ZSW17, ZJ16, ZLL+17b, vEkdB16].
diffusion-controlled [PD15]. diffusion-limited [BL18]. diffusion-reaction
[MN16c]. diffusion-wave [BJO18, BBEE15, HSC16, YLA15]. diffusive
[AJVH17, BDdD18, BR15b, BR16, BLC+17, JLQX15, JXZ15, JL17c, MP15a,
dilatancy [MDP18].

dilute [DAO17, SGP17b, Yan17].

Dimension [CLM16, TLQ16, AS15, CQ15, YM17b].

dimension-adaptive [CQ15].

dimension-by-dimension [TLQ16].

dimension-independent [CLM16].

Dimensional [NN18, AR16a, APR+15, AEL+15a, AEL+15b, AB16b, APT17, An17, ADOP18, Bal15, BVG+16, BOA17, BH16b, BGL+17, BA15, BH18, BLS16, BG16, BGI+15, BHMS18, BTWY15, CB15, CQ15, CP16, CJJ17, CZ18, CHJT17, CVK16, CGP16, CM18c, Cot18, CLM17, CYWL17, DCA+16, Del15, DvW15b, DZ16, DvB17, EdvW17, FDKI17, FS17a, FST15, FPDT17, FK17, GFL18, GS18, GGL+17, GN16, HTFL18, Hiv18, HY17, Hue15, IGQ15, IDS15, IM15, JLS18, JGS15, KF15, KA15, KSW17, Ks15b, LG017, LLL16, LPR18, LL16c, ILLNS16, ILNS17, LD15, LSTK15, LK16a, LW17d, LW17e, LMSK17, LEB+17, MN18a, MHL17, MDD17, MB+15, MB15, MLB16, PmRS17, PHHR17, PK16, PCN15a, PCN15b, PR16b, PF15, Ram17, RG15, RS16a, RDG17, RKRG17, RX515, RS16, Rod18, SG18, SVSL18, SD17, SSA17, SX15].

dimensional [SSN15, SF16, SWZ17, SK15b, SLZ+17, TCS15, TCS16, TCA16, TD16a, TSH17, TSO17, TBO+16, TSB+18, Tre16, TBG16, VCNOP18, VNA15, VSM16a, VSM16b, WY15, WDS15, WCN15, WRL16a, WRL16b, WTG16, WHY17, WLE17, WHE17, WWGK17, XML17, YSW15, ZMF15, ZZK16, ZL15a, ZLL16a, ZYW16, ZBT17, ZCL17, ZL15c, ZWB+18].

dimensionality [BGG16, TBG16].

dimensionally [GNK18].

dimensions [BHJ18, BHST18, BXY17, CC16a, CM18b, CB18b, CGRVI17, DS15a, DS15b, DL17, FR18, FS16, HN17a, KSVB18, RVZB15, SHKL16, Vec16, WCT18].

Diminishing [SIX16, DWG+18, DLMDV18].

dioxide [GG+17].

dipole [MML17].

Dirac [ASS17, ASS13, EG17, FGBL16, HNS16, KML18, Pin15, PS17].

Direct [BLD15, CR17, FKY15, KLNH17, LRA17, OMYvdP+15, Par18b, PGGW18, RW15a, SAK18, BS15a, CDC17, CHY16, CYL+16, CYYL18, CC16c, CGP16, CWJ18, DY16, EVA18, GB15b, IM17a, KNS15, PPLC16, PG18, PV17, RS16b, RLV16, STK+16, TFGK18, YS15, ZG18, Mac16].

direct-forcing [PV17].

direction [BCG+15, GGT15, LST+15, LK16a, SX15, SZ17].

directional [BNK18, FYO+15, MI15, MSH+15, ZYK18].

directional-splitting [FYO+15].

Directly [ZQ16a].

Dirichlet [ABN15, ED16, GB17, KHHN16, WZ15, YK15].

Dirichlet-to-Neumann [GB17].

disc [SHW17].

discharge [DBMB15, VBG+17b, ZCH15].

discontinuities [GLT15, HZL+15, WS15b].

discontinuity [DS15a, DS15b, DIX+18, PE16a].

discontinuity-aware [DS15a, DS15b].

discontinuity-resolving [DIX+18].

Discontinuous [BHKG18, BD17, BKB18, BKB16, FNP17, HGN17a, JHT+18, NAW+16, OWKE17, Rag15, TSC17, TRL15, ZK18, ZN16, AD16, AM17a, AS15, APK16, ADK+17, BST+18, BMD17, BCJ17, BFT17, BCB17, BD18, BT15, CGQ18, CMH18, CWM+16, Cha18, CJD+17, CHY16, CS17a, CYL+16, CYYL18, CZ18, CCKQ15, CR18, CK16a, CK16b, DM17b, DKK+18].
DLL^{+17}, DL16, EHXM15, FWK17, FWK18, Fer17, FX18, FBM16, FSB16, FS17b, GWK16, GCMVK15, GBC^{+18}, GSN17, GX15, GY15, HR18a, HL16a, Hig15, HS18b, Ism15, JH17, JTD16, KDF15, KM16b, KFF^{+17}, KRFV16, KG15, KFWK17, LMH16, LLP^{+16}, LP16a, LPR18, LX18, LSR16, LTB16b, LP16b, LY16b, LW17e, LSN18, LMB18, LLLN18, LHL15, LI15, LSI16, MSG18a, MLM18, MRRRF18, MK17, MN16a, MKC17, MF16a, MLB18, MSP15, MSB^{+16}, MMPS17, MH17, NM17, NJ15, NPC15]. discontinuous [NPRC15, NDCB17, Nis18b, OKWE17, OKE17, PL16a, PE16a, PCN15a, PP17, PP18b, PBM18, QSY16, QDH15, RXSG15, RDM15, RBL16, SPX^{+18}, Say17a, Say17b, Sch16b, SWG^{+17}, SMP16, SZ15b, SS16c, SPZ18, Sti16, SCS18, TH18, TD16a, TD17, TD18, Teu16, TM15a, TXKvdV15, TXKvdV16, TLB^{+18}, UL16, VPV^{+17}, VCNOP18, WW15, WTGC16, WLE17, WWGK17, WG15, WMM^{+18}, WBM^{+15b}, Xia15, XJLQ15, XL16, YY16, Zha16, ZLH^{+17}, Zha17c, ZF18, ZT17, dFVJ15, vOMB17, HGN17b, OLHD17, PSB18, DDM18, RHH18]. discontinuous-Galerkin [NJ15, Sch16b]. Discovering [PPCK17]. Discrete [ACGR15, BNS17, LMP15, LPG18, MPS16, SP18, WYZ18, AEL^{+17}, ADHN15, BCST17, BBB^{+16}, BPS16, BC18c, BSP18, BHTT17, CC17c, CVG18, CwYJ16, Del15, DWGW17, EFHZ17, HLM17, HCVH18, HMY15, Hwa16, JLDQ15, JKE^{+17}, LFRH17, LC15, Loz17, MWD16, MM16, Ma18, MZ15, NHA18, NN15a, NN17, NN15b, OWKE16, OKWE17, PL16b, SSDN15, SVG18, SWK18, SGL17, SDW18, SLZ^{+17}, TAH16, VLT18, VF15, Xia15, XRM15, YWS16, ZNX15, SMAG17, dPS16]. discrete-adjoint [VBF15]. discrete-forcing [LC15]. discrete-ordinates [Mas18]. discrete-time [BSP18, MWD16]. discrete-velocity [HLM17, JLDQ15]. discrete/continuum [SSD15]. discretely [Cha18]. discretisation [ABP^{+16}, DXvW18, GBD^{+15}, OLHD17, OWKE16, SSM15, Sm18, TFGK18, DDM18]. discretisations [MRRRF18, OKE17]. Discretization [Dav10, Dav15, FPDT17, AD15, AVT17, BHE^{+17}, BFNGDR18, BKRB15, CDM^{+16}, CGS18, CI17, CM15, CHD^{+18}, DvB17, DS15d, DC^{+18}, DL18c, EG17, FNGDMNR18, FW17, GDA16, GSR18a, HR18a, Her16, HLM17, HK15b, KML18, LMMS16, MSK18, MMvR18, MHS16, Nis15, NL17, Nor15, OvdH16, PG17, PG18, DM18, QLF16, RBL16, STK^{+16}, SKF15, SUR18, TCS17, VDP15, VB{^+15}, VK16, YP17, ZP17, ZZKF15]. Discretizations [SY17, BGM15, BCB17, BSM16, CHOR17, FKF17, FWK17, KD17b, MX16, PE16a, RN18, SF18b, SLV18, SY14, TML16, VHN^{+18}, VW17, ZSX17]. discretize [DBMB15]. discretized [HR18b, JW15c, SWG^{+17}]. Discretizing [POSB16, SP18]. dislocation [BC18c]. dispersed [SU15]. disparate [TCS15a]. dispersal [Har18]. disperse [JS17]. Dispersion [BGG15, EL18, Ml18, SL15, An17, CHLZ17, GZY16, GR15, HK18a, JLC18, KMS^{+18}, KD17b, LKN17, MR16, MT17, MHZ^{+15}, MSP15, NMC15, PCF15, PPCK17, Ram18, SSL^{+16a}, Sto16, WA18, YWHP15]. dispersion-diffusion [MSP15]. dispersion-relation-preserving [YWHP15]. Dispersive
Displacement

Displacements

Dissipation

Dissipation-preserving

Dissipative

dissociating

Distance

Distortion

Distributed

distributions

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[SU15, AEAM15, Iwa15, LM15a, DM18, SSVL18, ZWUR16]. Displacement

[RVMR17, BST+18, LW17a, SWML17]. displacements [BQCG17, RDG17].

Dissipation [CZW17, BR15a, BMCK15, DLLV17, DWGW17, HK18a, HWA15, JLC18, KCS+17, KYW+16, KYW+18, KV16, MGCW18, NMC15, SMD18a, SL16c, WDGW17, WL17, ZHA17a]. Dissipation-preserving

[CZW17, SL16c]. dissipative

[AMH+18, Abg18a, AF18, DPK17, KP15c, LS15b, LS16a, LBTK18, MD17, MBH+15, MFG15, PLL+15a, Sto17, YDCK16]. dissociating [WMS18].

Distance [XL17b]. distortion [TAR17]. distributed [AEL+15a, AEL+15b, CPT16, CLC16, FG16, hGwSzS15, LAA16, MR16a, WLC15, WX18, YLA15]. distributed-order [CZW17, SL16c].

distributions [hGwSzS15, YLA15].

distributions [AD15, AB16a, EG17, FL18, GMLD18, HNS16, iI15, iI17, IC17, LN17, MN15, STR15].

distributions [BC18a, GWE+15, LL15].

Divergence

[Ama15, BD15a, CBBC+18, BK17b, BG17, KBR17, PMF15, RRM+16, TPB16, XL16, YJ17, YF17].

divergence-cleaning [YJ17].

Divergence-conforming [CBBC+18].

Divergence-free

[MP16, TTN+16].

DLM/FD [PGCG18].

DNS

[KCS+17, KF15, KFWK17, MA16, MMAP17, RL17, SLC+18]. Do

[docking [PLWJ16]. Domain

IBML16, JHAPT17, JX17, TRL15, AM17a, And16, AA15, BLK15, BMT18, BG16a, CXH15, CLC16, CC17c, Che18, CLQ17, DZ16, DZ18, DvB17, DDY+15, DLO+15, DSSP18, ETAG15, FHA17a, GFC18, GBD17, GH15, GHH+16, HXL15, HGW18, IML15, JSP16, KP18, LH16, LS15a, LH15, LLS15, LZ16, LHMB16, LC17a, LST+15, K16a, LMM16, LY16, MS18a, MS18b, MMS15, MJ17, MH17, PR16a, PLL15b, PT17a, PBA+15, QDH15, RZ17, SZW+16, SW18b, SZ17, S17, SC18b, SWZ17, TT17b, TP17, TST17, WR16, ZP16, ZLY15, ZD17, ZYK18, ZYCK15, ZBZ+18, ZIH].

domain-decomposition [TT17b]. domains

[AB16b, ABFR16, And16, ABG18c, BLS16, BTT18, BC16c, CFF18, DGHP17, DHI18b, FH17, FYZ+15, FB15, GSN16, GLS15, GN16, GLTG15, HK16b, JW16, JGS16, JTD16, KADE15, KADE17, KBR17, KJ17b, LPGT16, LB15, LCK16, LC16, MMN16, MTZ16, N15a, NGY+17, NSK+16, NN16, OLO+16, PKN17, RB15, ST17, SHW18, SGT16, SGT17, Tsw18, Tsa16, YNH+17, YDCK16, YLA15, ZL15b].

Double

domination [Shu16, WB17].

Doppler

[DJD+17, JD16].

dosimetry [KSV+15]. Double

[HL16, BLC+17, EG16].

double-diffusive [BLC+17]. double-sweeping [EG16]. Doubly

[YYL18, BLS16, HTFL18, HN18, LB16, NL15]. doubly-asymptotic

[BS16], doubly-periodic [HTFL18, LB16, NL15]. down [CLL17]. DP

[KCW17]. DPD [GZM+17]. DPD-based [GZM+17]. DPG [FKDL17].

drag [Eva18, GPS17b, HM16b, ID17, SGC+18].

drift [DDH+18, HK15a, LC17a].

driven

[AZ17, BV18, BC16d, CPT16, CCZ15, CEL15, CV16b, DM17a, DS16, DVP+16, EN17, KA18, LK17, LZe+17, LHMB18, LSD18, LAA16, PD16a,
driving [BH16].
droplet [BKG15, GLTB18, JRPPS18, LZ15b, LWC17, MOR18].
droplet-droplet [MOR18].
droplet-laden [BKG15].
droplets [Did17, Gan15, PKB15].
drops [Fed17, ST18c].
DRP [Bra16c].
Drucker [LEB+N17].
drum [Ant17].
drying [ABT16, FKY15].
DSCM [Mac16, GJ15, GRS15, JL18a, KJ17b, KJ18, MC16, RLC18, RSSSE18, WPB15].
DT [Nor15].
Dual [HB15b, MN18c, Stü17, WSN+N18, AAE17, CLP16b, DZ16, DZ18, GCCCHH18, LWM18, NG17, NG18, OKWE17, Par18a, SFDE15, TC15b, Y118, ZD17].
Dual-consistency [Stü17].
dual-corrected [SFDE15].
dual-porosity [GCCCHH18].
dual-scale [WSN+N18].
dualism [Luc15].
duality [SDW18].
duals [DPO16].
duct [BBKS16, TRLK18].
ducts [CV16a].
due [LM16, MCS16, SY16].
DUGKS [ZWG17].
during [TYD16].
DVM [YWW16].
Dynamic [DD16b, GSN17, LWM18, NLK+N15, VKE+N18, APP+N16, AF18, CL16, CvkH16, CFvKH18, EST17, FGL16, Gan15, HCVH18, HKSC+N16, IGQ15, KsvB18, LMC16, LGD17, MRA16, MG15b, MNG15b, MS15c, MM17, NFG15, OCS18, PD17, RPC+N18, TYD16, WY17, WS15b, ZZ17b, ZXD17].
dynamic-solver-consistent [WY17].
dynamical [Blo17, BV18, CL18, EL17, GS15b, L16a, NW17, OSP17, OB17].
Dynamically [ALKZ16, MN18c, CYS17, DBMB15, KG15, MD18, PS16].
dynamically-orthogonal [BCSK17].
Dynamics [BL18, WB16, ABG+N18b, AGBL15, AWS16, AF18, ATZ16, ABR16, BJ17, BKS18, BHdD18, BC18c, BB16, BLS15, BL17, BZ16b, CZBC+N18, DMAM15, Dav10, Dav15, DP17, DZ18, DG16c, DL15, DFS16, DPRZ17, EJJ17, FB17, FP18, G15c, Gen15, GMB16, HSLQ15, HSLQ16, HK15, HM16, HMBH15, H17, lH15, lH17, JME18, JRPPS18, JB15, JLFK17, KM17, KBK15b, KP15b, Kor17, KS17, L15S17, LFR17, LS15b, LS16a, LBTK18, LK16b, MHL17, MD15, MGB+N18, MMW15, MFG15, NPC15, NLL+N15, NLW+N16, PLL+N15a, Par18a, PQR17, PCBG18, RS17, RHS18, SCW18, Say17a, Say17b, SG18, SHKL16, ST15, SY18b, SSX16, SMAG17, St17, Stü17, SAOW17, SZCL18, SZS15, TY17, TP16a, TAJ+N17, TPTT18, TR17, WE15, WTS+N17, WH16b, WYA+N17, XZZ15, XWW17, YZW+N18, ZL15a, ZLH+N17, ZD17, ZLC+N18, ZHW18].
dynamics [ZK18, HSB16, YDCK16].
Eady [YSC+N17].
EAM [YZW+N18].
EAM/FS [YZW+N18].
EAM/FS-type [YZW+N18].
earthquake [CCWY18, DD16b].
Eca [EH15, XS15].
ECGs [NCP+N17].
Eddy [FPS17, PD17, TABB17, BQV17, BR15a, BPM18, BJ16, CWS18, CLR+N16, CC16c, DLL17, Fer17, FG17, KH15, MD16, MMPS17, NYNYM15, PK17, RS16b, RWG18, RGBV15, SMD18a, VV16, CL16, CWS18, LLM17].
eddy-current [BGV17].
eddy-resolving [MMPS17].
eddy-viscosity [CWS18].
edge [BGGM15, Dod17, DCD+N18, GDS+N16, GBC+N18, KH16, MP15b, MP16, NL17, PF15, TBC+N16, WSH+N17].
edge-based [NL17].
edges
[HK16b, Tsa16]. **Editorial** [Abg16, Ano18e, Ano18f, Ano18g, Ano18h, Ano18i, Ano18j, Ano18k, Ano18l, Ano18m, Ano18n, Ano18o, Ano18p, Ano18q, Ano18r, Ano18t, Ano18u, Ano18v, Ano18w, Ano18x]. **effect** [CM18a, GR15, LYDB16, PQR17, SAH17, VALT16, WX17, XR17]. **Effective** [DGL+15, GVTQ16, XLY15, BPS16, CPT16, CBC+18, Cot16, HS17a, LK17, PVFN15, VS17]. **Effects** [NNW17, AAL15, GZM+17, Gen11, Gho17, HCW15, HW15c, KD17a, KCS+17, LW17b, MAH16, MLB16, NWZ18, ST16, SPD+17, SSL+16a, SP16c, VCNOP18, WTL17, YT17]. **efficiency** [BHZ16, BT17b, Die15, HLL+18, KK16, LWY18, WBC+16]. **Efficient** [AG16, ALT17, BL18, BGV17, CS16c, CLS+18, CM18b, CYS17, CLGA17, DNBH15, ESHA16, FNGV18, HE15, HHM17, JYY18, KAR17, LZ16, Lia16, LB16, LHA16b, MBSS15, MS16a, MPT16, MN16a, MGCW18, NMA15, NCP+17, PLC18, SBT17, SY15, SDM+17, SPRW15, TRM16, VSM17, WJD16, XL17a, YM17a, ZS15, bWAW15, ARG+17, ADGN17, ALM+17, APKP16, BGS16, BCM15a, BST15, CCD15, CC17a, CE18, CCZC16, CC17, CZJ17, CPS17, DZ18, DY16, DLN15, DLNR17, DOO17, DB16b, EMZ16, FWK18, FGB15, FYC+18, GB15, GS15b, GLZ16, GP16a, GLTB18, GWC17, GX15, HD18, HTFL18, HHMG15, HMBH15, HF18, HWA15, HC17, IPS15, KCI7a, KHI17, LM15a, LKK17b, Ler16, LWY17, LHY17, LPBR15, LWC17, OSK18, PXX16, P18, PSB+18, PMS15, PK1+18, PSP16, RT16, SXBB15, SGMS16, SO15, SSN15, SF16, Tav15]. **efficient** [TRL15, VBG+17a, VD16, WLWW17, WSOW16, WS15a, XX17, XWW17, ZZDB15, ZL15b, ZGD+16, dICGCA17]. **efficiently** [Cac15a, Cac15b, ZWUR16]. **eigenfields** [HK16b]. **eigenfrequency** [ZC18]. **Eigenmode** [GFvR18]. **eigenmodes** [ABT17]. **eigenpairs** [VYP15]. **eigenproblems** [MBJ16, MBNJ16]. **Eigensolution** [MSP16, MDM18]. **eigensolver** [AAB+16, ZGD+16]. **eigenvalue** [ABN15, VMN+18, BDKK17, CXX16, GFvR18, HLTC18, JPLL15, KL16, KFL17, LHS+18, Loh17, PKA+16, PGH15, XZ15, YM17c]. **eigenvalues** [ABFR16, ABT17, HXB15, HSSZ16, Jac17b, XJG18]. **eikonal** [LP17b, NCP+17, TH16, YS17, bWAW15]. **Einstein** [ALT17, Rua18]. **elastic** [AHHC18, ABT17, BHJ18, BXY17, Buk16, CHT17, CHJT17, DL17, DW15, DPRZ16, DKK15, DD16b, GT18, GFG+15, GH17a, GSI18, GFL17, GC17, GBS15, Heu17, KTK15, KDL15, KLRT15, KHI18, LC15, LW16, MKS18, PS15b, RM16, RRD16, SZ+16, SCQP16, SII17, SZF15, VSDW18, YK15, WJD16, WTL17, XJG18, ZZZ17, ZZW+16, ZBZ+18, dTP16]. **elastic-acoustic** [RRD16]. **elastic-electrostatic** [DL17]. **elastic-plastic** [CHJT17, GSL18, Heu17, KTK15]. **elastic-viscous-plastic** [KDL15, WTL17]. **elastic-wave** [GH17a]. **elasticity** [FKDL17, SY18a, TD18, WX15]. **elastodynamic** [AB16b, CDC17, SGL18]. **elastodynamics** [CDL17]. **elastomers** [SAH17]. **elastoplastic** [MN18b]. **elastoplasticity** [RSB15]. **elastostatics** [GBD17]. **electric** [AAE17, BGGM15, CCHL15, DvB17, HK16b, KBR17, LD1+16, LYDB17, NWZ18, ZRT18]. **electrical** [MS15a, VLP+16, YG18]. **electrically**
Zoh17. electrically-driven Zoh17. electro DPRZ17, HGN17a, HGN17b. electro-dynamics DPRZ17. electro-thermal HGN17a, HGN17b. electrocardiography CGM15. electrocardiology PVFN15. electrodes MTD15. electrodynamic BAGK16, DPO16. electrodynamics BTGM17, BGTM18, PT17a. electroencephalography RMA17. electrograms NCP+17. electrohydrodynamic HLY15, HLY16, JGS16, TND18. electrohydrodynamics Vee16. electromagnetic AJP15, ACC+15, BAGK16, BGV17, CC16a, CC17c, CLFL17, DZR18, DC18a, DK18b, DDV+15, FCL17, GHJ15, GKE15, HN18, Ism15, KS18a, KPJ18, LGO17, MHZ+15, NOM+17, PLL15b, ST16, SUR18, SF18a, SCS16, SLVE18, SSL+16b, Tao16, TSN16, TRL15, TBLM15, UWH17, VCNOP18, XB18, ZWUR16. electromagnetism BAGK16. electromechanics ANL+16. electron ALM15, BTA17, CHE+17, HMRG16, Ido16, JL18a, KKS15, KKS16, KB18, LLVF+15, LY15c, MP16, VBG+15, YCBC15. electron-electron BTA17, HMRG16. Electrons CCK18b, KM16a. electron-electropermeabilization GPG17, LPW15. electrophysiology CGG18. electrostatic AG18, DL17, HK15a, LLEK17, LSP+18, MSD+17, PM15, dCPDC+17. electromagnetism HMFJ18, JTD16, KG15. Element CEH16, GFG+15, GBS15, SCS16, SMAG17, TLB+18, TBLJ15, AM17a, ABG+15, AVT17, ADFG17, AB18, ASS13, ASS17, AAD16, ADK+17, BJRF18, BCD+15, BCO+15, BBS16, BHL15, BXY17, BJWZ17, BGN15, BBF+17, BK17c, BC18b, BB+16, BSM16, BTWY15, BKRb15, BFTVC18, CZW17, CCHL15, CWF16, CHT17, CDL17, CGL18, CL6, CJD+17, CH17, CWW17, COV18, CEL15, CEL18a, CMH15, CLFL17, DSH+16, DGMT17, Did17, EKEB16, FBM16, GFC18, GG15, GBD17, GDA16, KY17, GMSR18, HR18a, HWH+16, HS17a, HTFL18, HdBH+16, HLL+16, HR17, HMFJ18, HLY17, HXX18, HSF17, JTR16, JL15, JLLZ15, JTD16, Jou15, KCI17a, KDF15, KE15, KG15, LTKA15, LMC16, LZ17a, LPR18, LGH+18, LYZ18, LTXB17, LTW18, LYP17, LWC17, MML17, MRL17, Mel18, MDM+15, MP16, MM16c, MF16a, MWYZ16, MN16c, MZ15. element MMW15, NH17, ÖPHA15, PKF16, PG17, PCX17, PL16a, PHÖ+16, PR17a, Rag15, RG15, RZ17, RAMB15, RRD16, RBGV15, RSD17, RBL16, SNSG16, SPX+18, SDMS17, SC18a, SWZ15, SW16, SWPS17, SZW+16, SY18a, SLVE18, SW18b, SA15, SFDE15, SSO+15, SZ15b, SDW16, SS16c, Sov16, TCD17, TH18, TD18, TC15b, Tre16, URL16, VSDW18, VKE+18, WYZW18, WG15, WSF17, WHZ18, XWL+16, XZ15, XJ16, YSC+17, YYN+17, YYX15, ZS16, ZS15, ZL15a, ZGJ16, ZHLZ18, ZBZT17, DJV+18. element-based HMFJ18, JTD16, KG15. element-wise MN16c. Elementary KD17b. elements CV15, CHD+18, Dod17, HR18b, JG15, LHM16, LP18, LKS17, MG15b, MT17, MMW15, OKE17, Pas16, RGW16, RSB16, SWG+17, SM16,
SFP16, YP17, ZS16, ZILZ15. elevation [NMM18]. ELF [Cha17]. ellipsoids [PGCG18]. elliptic [AR16b, BFFB17, LL17, CWW17, CELZ18, CR18, CFF18, EJMI18, FSWW17, FPDT17, GLTG15, GY17, GY18, HL15b, HHL17, HSF17, KKL15, KCW17, LMMS16, MWYZ16, OKE17, PHHR17, SR16, SDW16, Vab15, VCNGP15, WTGC16, WHE17, ZILZ15, ZHW18]. Embedded [CK16b, SMSR18, vLtTBI17, AMS17, Cho15, DD16b, HCVH18, HDF18, KKJB16, KP15b, MS18a, MS18b, MA17, NPC15, PBKK17, RS18, TAH16, WBM15a, BM15]. emergent [BWR15]. emission [AP16]. emphasis [KS16a]. Empirical [dPSS16, ABdC18, NMA15, YZW18]. Emulation [LBTCG16, MRA16, XT16]. emulator [ZKS18]. enabled [KMD18]. Enabling [YXD16]. encoder [ZZ18]. encoder-decoder [ZZ18]. endocytosis [LAA16]. energetic [Ama18, CSY15]. energetic-particle-magnetohydrodynamics [Ama18]. Energetically [MXL16]. energies [BJW17]. Energy [BC18b, BCJJ17, CCBdL15, CGS18, CCZ15, LCF16, MRX17, NMM15, OLDN17, OKWE17, RKKH15, SL16c, AK17, AJW17, BC18a, Bra16a, BMC18, CBZ18, CdB15, CCRdL17, CJYZ15, CS16c, CLS18, Cll17, CEL18a, CVG18, Don15a, DS15c, FPASS16, FG17, GZ18, GH16, GGT18, GXP15, HP16, HJZC17, HLS15, HW15b, JLF17, LML16, Lap17, LM18, LW15b, LSS16, LLVF15, LW17c, MK18, MDMS18, MGCW18, NMM16, NMM17, NN15a, PG17, PS14, PS15a, PME15, RSB16, SYY15, SLN15, SD16, Sto17, Suz18, TC15a, TK15, TCM15, Tav15, Tav16, TT17a, TKP16, VW18, VV16, WH15, WJD16, WW18, WCL15, Yan16b, YH17, YZW17, YCS17, ZYSW16, ZN16]. energy[52] [Suz18]. energy-balanced [PME15]. Energy-based [CGS18, MKS18, YCS17]. energy-conservation [CCRdL17]. Energy-conserving [CCZ15, HJZC17]. energy-preserving [CBZ18, CdB15, LW15b, WW18]. energy-stable [Don15a, DS15c, LM18, MDMS18]. energy-transport [HW15b]. Energy/dissipation [SL16c]. Energy/dissipation-preserving [SL16c]. enforced [WSY16]. ENO [Sid18, FHA16, FHA17b, FHA18, IDSG15, LJ16]. ENO/WENO [Sid18]. Enriched [LW18, VSDW18, LW17a, SA15]. enrichment [KW16]. Ensemble [RMK15, BJ018, ZH15]. Ensemble-type [RMK15]. Enskog [WZ15]. enstrophy [BC18b, PG17, SLN15, SD16]. enthalpy [HW15c, HW16c]. enthalpy-based [HW15c, HW16c]. entropic [DCBK15]. Entropy [CS17a, CHD18, DRM15, LSZ18, LI15, PCN15a, PCN15b, ST18a, Abg18a, AS15, Bra16b, Cha18, CJ17, CHS17, DWGW16, DWGW17, DWG18, DB18, GMLD18, GHH15, IC17, LW17a, LCF16, LSH16, MLI17, OPP17, SBT17, SW17a, SY18b, WWGK17, WG15, WG16b, WDGW17, YC17, BC16b]. Entropy-based [DRM15, AS15, GHH15, SBT17]. Entropy-bounded
[LI15]. entropy-residual [LSI16]. entropy-satisfying [CHS17].

Entropy-stable [CHD+18, DWGW17, IC17, MLI17].

entropy-variables-based [GMLD18]. Environment [TCS+16b], EOS [FSB16, RVK+18], EPIRK [RT16]. epitaxial [YZW17]. epitaxy [Xia15].

epsilon [Lot18]. Equation [ACGR15, AMN18, AAE17, Ali15, ASS13, ALTR17, ADOP18, BJRF18, BM15, BK17b, BJTZ15, BHL15, BLA+15, BN15, BBF+17, BDK+17, BIR+18, BP18, BNS17, BH18, BWR15, BBKS18, BCM15a, BGGM15, BR17, BTT18, CQI16, CI17, Cha16, CCZC16, CLC16, CM18b, CD17, CHCC18, CMH15, CVG18, CV16b, CGR17, CV18, CLM17, Cui15, CHLZ17, DD16a, DvB17, DSL+17, DLS15, DLL+17, DJLQ18, DBMB15, DKK15, EG17, EO15, EAAM15, EG16, EMSS17, FS16, FQZN18, FGL16, FLT17, FYC+18, FSM16, GR18, GMP16, GM15, GMS16, GBD+15, GN16, GWWC17, GHL15, GL17, HW15a, HR18b, HB16, HW16a, Her16, Hv18, HMLL17, HSC16, HF18, HW15b, HJ16, HX18, HXB15, HHY15, HM16, IZ18, J16, JLLZ15, J17, KS16a].

Equation [Kmd16, KTN15, KKS15, KJYC17, KL17a, KDL15, K15, KS18b, LFRH17, LSL15, LAL18, LTKA15, LJJZ15, LW1Y18, LLLNS16, LZ17b, LS+18, LDW1Z15, LY16b, LK16a, LTA16, LM15d, LQ16b, LP17a, LP17b, MKY1Z17, HK17, MS15c, MST15, MT15, MS15, MS18c, MLLM17, MGCM18, NH17, NPRC15, OC18, OT15, OL16, OWE16, PK16, P1718, PL16b, PS14, P15a, PLL15b, PBR17, Pin15, P17, PS18, RB18, Rag15, RM16, ST18a, SS17a, STEK17, SM16, SLR+16, SwS16, SL15, SK15a, SLL16, SL16a, SWK18, Sm18, ST18c, SH18, SPRW15, Sto16, SV17, SK15b, SLZ+17, TCSM15, TK15a, Tav16, TSH17, Ter18, TGY18, TBO+16, TCL15, Tou18, TH16, Tsa15, Tsa16, Vab18, VSM17, Vee16, Wac15, WS1Y16, WH16a, WLW+18, WL18, WKO17, WBCC16, WZR15].

equation [WZR15, WZL+17, WA18, XWB15, XJ16, XJLQ15, XQ17, YLY16, YS17, YN17, YJB18, YLA15, YM15, YM17, Y16, Y17, ZN16, ZL16, ZY16, ZBZT17, ZS17, ZHZQ18, ZYCK15, ZL17+17, ZV18, aKT16, bWAW15, dH16, MS18a, MS18b].

equation-based [OC18]. Equations [HO15, NMM18, AG16, AD15, AR16a, AD17, ALKZ16, AS15, AJW17, ABH18, ADH+16, ATZ16, AB16, ALL18, ABG18c, AEAM15, AB17, BJO18, BTD16, BH18, BV15, BK17c, BC18h, Beg15, BCB15, BP18, BDM17, BA15, BZ15, BDBEE15, BLMY17, BTB15, BCLJ17, BS15, BH18, BHF15, BC16b, BTWY15, BT15, BTVC16, C17W, CB18, Capi8, CGS18, CRW16, CW16, CAA18, CXH15, CCZC16, CTG16, CHZ16, CS16b, CHY16, CLZ18, CY16, CYYL18, CDN17, CCK+18, CCKQ15, CVK16, CFST16, CE17, Chn17, CRZ17, CCM17, CLP16, CHD+18, CEF15, DA17, Del15, DW+18, DG16b, DKK+18, DGL+15, DM15, DMTB15, ETAG15, EFHZ17, FL16, FKF17, FK17, FSW17, FX18, FBW16, FP16, FL18, FRR16, GSN16, G15b, GS15a, hGwSzS15, GS15a, GWK16, GP16a, GM16, GCM15, GO16, Gno17, GHL+16, GP16b].

equations [GTG15, GY15, GXX17, GL18, HPY18, HE15, HMLL18, Hdb16,
HBR15, HHCG15, HJZC17, HTMP17, HY16, HY15, HZ15, HY16, HS18b, HSF17, Ism15, JLQX15, JPSX18, JW15b, JW16, JX15, JZ16, JX17, JL18c, JXZ15, JL17c, JFS17, Kay15, KNS15, KA15, KÁGR18, KR17, LPWK15, LM18, Ler15, Ler16, LLS15, LZ15a, LXC+15, LYC16, LX16, LDL+16, LT17a, LZ17a, LGH+18, LX16, LL16c, ILNS17, LP16b, LXSC16, LW17d, LIW18, LLN18, LH15, LFT+16, LHQ16, LI15, MMNI16, MD17, MD18, MM16b, MS18b, MLM18, MGT18, MS15b, MS16a, MG15b, MR16a, MA17, MKC17, MH18a, MPFL16, MDBCF17, MBBKTH17, MDDM17, MHS16, Moh15, MF18, MTK+16, MDAB18, MBM+15, MN16c, MTBT18, MN18c, NNM15, NLFM16, NBH18, NW15, NN16, OS15a, Opp17, OvdHVH16, PG17, PXLL16, PCF15, PPC17, PJ16, PCN15a, PCN15b, PS16, PTT18]. 

\textit{equations} [PE16b, PND16, PE15, PDRB17, PBBK15, PMB18, Pop15, QHZ+15, QDH15, RMA17, RP17a, RP17b, RK18, RMP18, RDM15, SKP+15, SP18, SP15a, Sch16a, Sch16b, SWG+17, SZ15a, SR16, SMS16, SF18b, SY16, SLB+16, SY16, SYM15, SYM17, SO17, SPP16b, SX15, SE16, SPZ18, SD16, Stü15, SL16b, SC18b, SL16c, Sub15, SJX15, SJKX15, SJ+15, SJX17, SCS18, Svä15, TW17, TY17, TD16a, TD17, TP17, TC15b, TXKvD15, TXKvdV16, TST17, TT16, TCL15, TC15c, TO15, TMM18, UL16, VST16, VGZ18, VS17, VCNPG15, WN18, WY17, WW15, WR15, WH15, WZ15, WX15, WRL16b, WTGC16, WHY17, WCL15, WR16, WGG17, WG15, WG16b, WBM+15b, WZ17, WZ18b, XDSX17, XY18, XCH15, XL16, YC17, YJ17, YHQ15, YYN+17, YHKPF17, Yi18, YTW15, YWH15, ZZK16, ZA15a, ZSP15, Zha17c, ZHS18].

\textit{equilibria} [HR17]. \textit{equilibrium} [AHHC18, BJ15, BWR15, CwYjS16, DRM15, FH17, GML18, HFM17, HKKP16, IK15, MPP15, RG15, STR15, TCS17, TZ16, WG16a, WMS18, YHQ15]. \textit{equilibrium-preserving} [TCS17].

\textit{equilibriums} [NF17]. \textit{equipped} [ZYK18]. \textit{Equivalence} [ZN16, ACCCD+17]. \textit{equivalent} [KE15]. \textit{ERENA} [MTK+16]. \textit{Ericksen} [NWZ18]. \textit{ERKN} [MW16b]. \textit{erodible} [LMK15]. \textit{erosion} [MS17].

\textit{erroneous} [NN16]. \textit{Error} [Kri17, PDRB17, RS17, AMK17, AGRB18, AR16b, BH16b, CI17, CNOS15, DZC16, FC16, GWE+15, HFND18, Hwa16, JW15a, KKJB16, LKN17, MM15, OKWE17, RL17, SD17, SW15, TS17, VLAB18, WK18, WA18, YY16, ZH15]. \textit{errors} [ÁÁP17, Dav10, Dav15, HDA+18, Iwa15, LM16, LZL+17, SYZ16]. \textit{esophageal} [KBG+15, KGP+17]. \textit{essentially} [HWA15, L16, MWB+15a, ZPW18, ZQ17]. \textit{estimates} [DZC16, IM15, JW15a, JES15, YY16]. \textit{Estimating} [SZY16, TR17, WLK+16, STR15]. \textit{Estimation} [EDvW17, AMK17, AGRB18, Cha16, CN16, EH14, EH15, FAZ16, GP16b, ISP+15, KM17, KRFV16, PKW17, RFGSV15, RL17, SW15, TT17a, TS17, WN17, XS15, ZH15, dFGS+17]. \textit{estimator} [Opp17, Swe18]. \textit{estimators} [LB17, OKWE17]. \textit{Euler} [AG16, Bal15, BLMY17, CBC+18, CCK+18,
CGS15, CHD+18, DLMDV18, DKK+18, GWK16, GP16b, HY16, ID17, JPSX18, JL18c, Ler15, Ler16, LX18, LX18, LI15, MS15b, MH18a, MDAB18, MMP17, PXLL16, PS16, PDRB17, PZF16, TCL15, VGZ18, WW15, WR15, WRL16b, WDGW17, XDSX17, ZLFW18, vOMB17.

Eulerian [AB16a, ALA16, BMR+16, BS15b, BL1D5, BD17, CBB16, DL15, DB16a, FRW16, GSL18, ISST18, LS16c, MC18, MWB+15b, PR16a, RW15a, RSB15, SDM+17].

eutectic [DMS17].

Evaluation [BAVC17, DB16a, SDJU15, SGC+17, SGC+18, AW18, Bre18, CKK18a, KKL15, MDT16, OSC18, RCKF16, RSD17, RSSSE18, SY17, ST18b, ZGW17, ZPE+16].

even [WKOE17].

even-parity [WKOE17].

event [Hig17, KBK15a, SGL17].

events [CL17, GH17b, MCS16, SPB16].

evolution [BAVC17, DB16a, SDJU15, SGC+17, SGC+18, AW18, Bre18, CKK18a, KKL15, MDT16, OSC18, RCKF16, RSD17, RSSSE18, SY17, ST18b, ZGW17, ZPE+16].

evaporating [DM17a, Did17].

evaporation [IM17a, PS14, PS15a, SLC+18, VALT16].

even [WKOE17].

evaporating [DM17a, Did17].

evaporation [IM17a, PS14, PS15a, SLC+18, VALT16].

even [WKOE17].

even-parity [WKOE17].
even parity [WKOE17].
even-parity [WKOE17].
evens [CL17, GH17b, MCS16, SPB16].
evolution [BAVC17, DB16a, SDJU15, SGC+17, SGC+18, AW18, Bre18, CKK18a, KKL15, MDT16, OSC18, RCKF16, RSD17, RSSSE18, SY17, ST18b, ZGW17, ZPE+16].
evaporating [DM17a, Did17].
evaporation [IM17a, PS14, PS15a, SLC+18, VALT16].
even [WKOE17].
even parity [WKOE17].
Extrapolated [MVK16, EMSS17, FBF15]. Extrapolation [LH17a, SLH18, ABFR16, HK18a, LWY18, PHHR17]. Extrapolation-based [LH17a, SLH18]. extrem [Kri17]. extreme [VYP15].

Extrapolation [LH17a, SLH18, ABFR16, HK18a, LWY18, PHHR17]. Extrapolation-based [LH17a, SLH18]. extrem [Kri17]. extreme [VYP15].
fields [BAGK16, BMC+18, KBR17, LE16, LX16, MLMM17, PVPK17, RRM+16, RSD17, Tao16, TG17, XTS+16, XY17, YG18, ZFPB16]. fifth [CTG16, WLGD18, ZQ16b]. fifth-order [CTG16]. Filament [JSS15].


fingering [BST+18]. Finite [AGBL15, AMM+15, BTWY15, CLC16, CEH16, DG18, DSH+16, DJV+18, FPT17, GFG+15, GBS15, GSS15b, GSR18, IGQ15, Kay15, KS15a, LTKA15, LY17, LPP18, MLI17, MDL16, Mas18, MHZ+15, RBGV15, SKO17, SYV17, SP16c, TVB+16, TRLK18, YY17, vEHdB16, AM17a, ABG+15, AVT17, ADFG17, AD17, ASS13, ASS17, AAD16, ABFR16, ADK+17, ABT16, AM17b, BJRF18, BCD+15, BD15a, BBK16, BHL15, BJWZ17, BGN15, BK17c, Bat17, BC18b, BGV17, BLVC17, BH18, BLMY17, BL15, BDZ15, BD17, BDL18, BHTT17, Bra16c, Bre17, BKRB15, BFTVC18, CCHL15, CBS18, CSS18, CWF16, CHT17, CTG16, Che18, COV18, Cho15, CEL15, CELZ18, CEL18a, CMH15, CGP16, CR18, CPS17, CHS17, CCM17, CYWL17, DGMT17, Did17, DLK17, DMS17, DDH+18, DVP+16, DL16, DvWZ18, FAZ16, FGLW18, FBW16, GSS15a, GHI17a, finite [GFC18, GOR17, GDS+16, GS16, GG15, GB17, GHL15, GHL+16, GDA16, GY17, GL17, HR18a, HWH+16, HR18b, HS17a, HDH16, HZL+15, HLL+16, HR17, Heu17, HMF18, HHL17, HY16, Hu17, HXX18, HAH16, Ism15, IDSG15, JTR16, JW15b, JW15c, JW16, JLLZ15, JGI15, Jou15, KKH18, KDF15, KW15a, KW15b, KE15, KJYC17, KL17b, KPJ18, Kla15, KS15, LH16, LMM16, LL+16, LY15a, LN17, LAL18, LX16, LL16b, LMB16, LMC16, LFL17a, LGH+18, LYZ18, LWY18, LYZ15, LY15b, LZ15b, LMMS16, LTB16b, LJ16, LTV18, LKSM17, LWC17, MF17, MN04, MN17, MDHC15, MR17, MT17, Me18, MH18a, MMvR18, MRK15, MH18b, MSS16, MM16c, MF16a, MLB18, MWY16, MN16c, MW15, NH17, NN15a, Nis15, NF17, Nor15, OLDN17, OV17, PXR17, PCX17, PL16a, PL18, PH0+16, PS16, Pe16, PS15b, PW15, PS17, RBI18]. finite [Rag15, RG15, RGW16, RABM15, RRR16, RSD17, RWN18, RBL16, SNSG16, SPX+18, SDMS17, SGL18, SAEF17, SWG+17, SM16, Sh17b, SF18b, SY16, SY18a, SL16, SY17, SW18b, SYV14, SD16, SKG17, SA15, SFDE15, SSO+15, SZ15b, SDW16, SZ17, SS16c, SP15b, SDW18, SK18, Sub18, TLH15, TD18, TMT17, TC15b, TBO+16, TKP16, Tso18, URL16, VSDW18, VKE+18, VSC18, WR15, WDS15, WRL16a, WRL16b, WRP17, WYZZ18, WL18, WLW+18, WT15, WSF17, WA18, WHZ18, XWL+16, XdW17, XZ15, XX16, XJ16, XDSX17, XM18, YG18, YSC+17, YYL16, YHQ15, YP17,
YX15, YM15, ZCHS15, ZS16, ZS15, ZILZ15, ZGJ16, ZZZ17, ZHLZ18, ZBZT17, ZQ16b, ZQ17, ZXLQ17, dFJN16, CJ17. **Finite-Difference** [SYV17, Bra16c, Bre17, CR18, CYWL17, GH17a, GS16, KPJ18, LH16, LHMB16, LWWY18, NF17, RBJ18, SYV14, TLH15, WA18, YQL16].

**Finite-Element**

[CMH15].

finite-element-based

[CMH15].

finite-elements

[SM16].

Finite-Volume

[DG18, IGQ15, TVB+16, vEKdB16, CCS18, DDH+18, GOR17, GDS+16, IDSG15, KS17, LLD†+16, LN17, LL16b, LZ17b, MDHC15, Nis15, Nor15, PS16, SDH†+16, SKG17, TMT17, Tso18, VSC18, XDvW17, 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, SRN16, OWKE16, SM16, VSM16a, VSM16b, VLN+18, WTX17].

first-principles

[AZK16].

fitted

[BOA17, CZBC†+18, CWW17, DSH†+16, RA17, WW18, ZJ18, ZSX17].

fitting

[LT17b, ZXDL17].

FitzHugh

[LZT†+15].

five

[TGY18].

five-equation

[TGY18].

FIVER

[MZAF17].

fixed

[DGW18, IKI15, RZ15, SY17].

flame

[KP15b, LZL†+17].

flames

[SWS†+18].

flash

[WKSS15].

flat

[KJYC17, KMG16, WF17].

flexibility

[iI15].

flexible

[BSK15, BPGS16, DG18, DCP15, FKR16, GLS15, JSP16, Mco17, NRZS17, SWG†+17].

flexible-wing

[Moo17].

Flexibly

[YS18].

flexural

[MDW18].

flexural-gravity

[MDW18].

floating

[CGSS18, LC17a].

flocking

[ZK18].

flooding

[DD17a].

Flow

[BPS17, KLA17, YDKC16, ABI17, AASRT17, ABG†+15, APR†+15, APP†+16, AAG16, APV†+18, AS17, AMS17, BCSK17, BCST17, BB17, BBKS16, BHST17a, BHST17b, BHST18, BGN15, BLVC16, BLVC17, BPS16, BLK15, BAVC17, BLG†+16, BLJ17, Bon17, BCB17, BHM18, BC16d, BB17, BKG15, BKR16, BKR16, CB18a, CCRdL17, CC15, CK15, CTQ17, CV16a, CS17b, CGR17, CV18, CM18d, CLNH15, CvKH16, CfvKH18, DM17a, DGW18, DM16, DWR18, DDV18, DGM17, DB16a, DL18c, ESG17, ES17, EST17, EN17, Fu17, Fan16, FMRZ17, FST15, FW17, FS16, GZM†+17, GSP17b, GSL18, GDFL17, GFL17, GGL†+17, GO16, GCC18H18, HXLL15, HTFL18, HSK†+15, HG17, HG18, HK16+16, HW16b, HDF18, HY17, IPSG15, ION†+17, JSP16, JSVD17, JL16, KD17a, KHP17, KAI18, KJ17a, KEJ17, KHL17, KL15, KF17, KS16c, KS18b, KV16, KFWK17].

flow

[KRK†+18, KJ17b, KS16d, LVB†+15, LE16, LRA17, LW18, LH15, LPGT16, LHB†+16, LZW†+17, LLFX18, LLY18, LZZ17, LKN17, LNM15, LAA16, LRGO18, MZAF17, MNG15a, MCN18, MTZ16, MHL17, MN18b, MS17, MDP†+15, MJT17, MF16a, MB15, MLB16, MM16d, NL15, Noe15, NSK†+16, NSL16, OT15, OSP17, PZNG15, PGCG18, PHÖ†+16, PT18, PLW16, PGGW18, PZ16, PHE†+15, QYF15, QLF16, RVZ15, RW15a, RW15a,
RXSG15, Ru18, RPC+18, SPX+18, Say17a, Say17b, Sha17a, SRBB18,
SL17, SC17, STG17, SHW17, Str17, SK18, SKC17, SCS18, SZCL18,
TH18, TP16a, TLH15, TWH15, TAHI6, TLLF15, TT16, TD16b, TSST16,
VV17, Vos17, Vre16, WWR16, WLYX17, WSN+18, WPB15, WC18,
WCVF16, WKSS15, XCI17, XXY+16, YSY17, YNW17, YR15,
YMI17b, YTW15, ZZ15, Zad11, ZP16, ZLY15, ZW15, ZV16, ZW16, ZZS+17].

flow

[ZZ17b, ZZX16, ZRE16, aKT16, dFJN16, dMRHJ17, dPSS16, tEDKT17].

flow-field

[TSST16].

flow-transport

[BKRB15].

flows

[ACGR15, AMB17, ALO18, AB18, ACS16, AB15, Bal15, BMR+16, BJ15,
BFI+18, BC16a, BS15a, BVM17b, BMT18, BDPM18, BFTVC18, Cai16,
CV17, CBS18, CGS18, CGK17, CL16, CJ+17, CZL+15, CX16, CHJ+17,
CZL18, CS18b, CD17, CGS15, CEL+18b, CC16c, CLGA17, CPS17, CG16,
CM16b, DG18, DLM18, DIX+18, DXvW18, DY16, DAO17, Don15a, DS15c,
Don17, Don18, DVP+16, ESHA16, EJMI18, FGL16, FBL17, FWK18,
FNJDMN18, FNP17, FMPT18, Fid17, FBM16, FPDT17, GMLD18,
GQR17, GHR17, GIF18, Ger17, GWC17, GG15, GBCF15, GBCF16, GJ15,
GRS15, GEZK16, GA18, GWYS18, GSI+18, GSS15b, HAA15, HFM17,
HL15a, HEPS15, HZL+15, HTGZ17, HP17, HSB16, HM16b, HTMP17,
HW18, HTBG15, IGQ15, JS17, JCA15, JG16, JJ18b, KKH18, KYUO15,
KTN15, KF15a, KLNH17, KCS+17, KF17, KP15c, KYW+16].

flows

[KYW+16, KL18, KV16, KS15b, LMP15, LS15a, LVTR15, LPG18, LPB17,
LDP16, LL16b, LW17b, LPR18, LLW18, LSD+17, LSR16, LC16, LC17b,
LD15, LMKS15, LW+16, LXSC16, LH17b, LH18, LDLH15, LZW+17,
LHA15b, LHA16b, LEB+17, ML117, MM16a, MNG15a, MDL16, MOAA15,
MTZ16, MC15, MP17, MK15, MRX17, MG18, MD16, MF16b, ML16,
MA16, MSB+16, MR16b, MM18, NDCB17, OVP15, OSK18, OPA15,
OD17, PKP+17, PNY18, PH18, PL16a, PL18, PSS17, PSB+18, PM16,
PPL16, PWC18a, PN17, PN18, PM17, PLW16, PF16, PEVG18, DM18,
PCBG18, PWP15, QSB18, RS16b, RDG17, RV16, RMF+18, Ric15, RZ15,
SXBB15, SWS17, SPD+17, SP15a, SGMS16, SHA16, SL17, SKF15, SWML17,
SVG18, SAK18, SWMD17a, SWMD17b, SYX18, STW16, SDM+17, SY18b,
SDH+16, SKG17, SSA18, SNS18, SG17, SST+17].

flows

[SGP17b, Su18, TK12, TK15b, TND18, TBO+16, Tou18, THM18, TKP16,
TABR17, UG16, VPM15, VSM16a, VSM16b, VALT16, WDG+17, WSY15,
WSS+15, WSHT15, WSY16, WSP17, WCH+17, WZ18a, WKPS18, WSN+15,
WMS18, WGM17, WL17, XWL+16, XDvW17, XX16, XM17, XSL18,
XWZ+18, YSW15, YWS16, YXF+16, YSWW16, YGEM17, YD18, YL16,
YCS+17, ZMF15, ZMCC18, ZLC+18, ZLS18, ZGW17, dFVJ15, dLGT+17].

fluctuating

[BKRB18, DSH+16, HM17, SC18a, dSPDH15].

fluence

[Swe18].

Fluid

[AAL15, CGS18, FB15, HM17, JBO15, LVTR15, LGD17, RW15b,
SAK18, SDM+17, VAL16, ABI17, ABG+15, AAI16, Ama15, Ama18, AB15,
BAGK16, BHKS15, BQCG17, BJ16b, BCM15b, BUK16, CGS18, CZBC+18,
CM16a, CD18, CH17, CV16a, CLGA17, CSH15, CLM15, CM16b, CYWL17,
DG16a, DG18, DFGQ16, Dom18, EST17, EKSS15, ED16, ELH+16, FW18, FLV15, FRW16, FHA16, GLTB18, GSI18, GLS15, GCVCHH18, HXLL15, Har18, HSK+15, HM16a, HDF18, ISST17, IM17b, JSVD17, JH15, JS17, KB18, KLC18, KF17, KC17c, KRK+18, KM15, LTB16a, LDL+16, LC15, LF17, LGB17, LFDP16, LW17b, LLJ18, LSD+17, LY16c, LDGH16, ML17, MA15, MAOA15, MAM16, MPR+18, MC15, MMMS15, MTK17, MRXI17, MAA18, MM17, MKV+17, NFG15, NPC15, Niu16, NF17, NSK+16, NLW, fluid [PQR17, PCBG18, PME+15, RGI5, RKRGW17, RV16, RTG15, RVK+18, RPC+18, SSL17, SWC18, Say17a, Say17b, SRBB18, SMP16, STW16, SMA+16, SSI+16, SJH+17, TFGK18, TBC+16, TCA16, TND18, WSP17, WCH+17, Wic16, WS15a, WS15b, XDvW17, XYF+17, YYY+16, YK15, YS15, YXF+16, ZAK15, Zad11, ZZPH18a, ZZPH18b, ZBZ+18, ZPE+16, dJRP+15, dTP16, BAVC17, JSS15, SGD18], fluid-capsule [ISST18], fluid-composite [BCM15b], fluid-dynamic [PQR17], fluid-dynamics [PQR17], fluid-fluid [LSD+17], fluid-particle [HM17, Ana18, Har18, KF17], fluid-porous [NSK+16], fluid-saturated [SSL17], fluid-solid [MPR+18, YK15, YS15], fluid-structure [LTB16a], fluid-structure-interaction [LTB16a], fluid/thin [FLV15], fluid/thin-walled [FLV15], fluidic [MKV+17], fluids [ARF18, AJVH17, BHKS16, CFPB17, CSN17, DSH+16, Don15b, Don17, DpRZ16, ES18, KKH18, KKS15, KKS16, KBK15b, Liu16, MS18c, PR16a, PS15a, SK15b, TGY18, TOR+15, TL17, WE15, YD18, ZDGW16, ZYSW16], flux [ALMJ15, AWJ17, HR18b, LKSM17, Loh17, NMM15, ZN16, AHNF15, AMH+18, APV+18, AEL+15a, AEL+15b, AEL+17, BMT16, BNK18, BND16, CJL16, CLP16a, FKF17, FS15, GHL15, HWH+16, HZL+15, KF17, Kri17, LBZ16, LKB16b, MS15b, MMB18, MDMS18, NNM16, Nis15, STW16, STi15, SST+15, TT16, TCL15, VST16, VV16, VDPP15, WSY15, WSHT15, WSY16, WG16b, WS15b, ZJLC15, ZXL17, BK17a], flux-ADER [NMM16], flux-based [MMB18], flux-coupled [HR18b, LKSM17, Loh17], flux-dependent [KFL17], flux-limiter [ZJLC15], flux-reconstruction [AHNF15, AMH+18], flux-split [HZL+15], flux-splitting [KKS16], fluxes [CCK+18, DH18a], fly [EZG16, Mas18], FMM [CHCC18, YS18], foams [SS16a], focused [TSN16], focusing [KLW17], Fokas [CFF18], Fokker [FLT17, TC15a, TKC15, TCSM15, TCS16a, TCS17, CM18b, CCL16, GJ15, GAI15, HYK+16, KJ17b, KJ18, MS18c, 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$^{+}$18b, CM18a, GTL18]. \textit{forces} [CG16, GLT16, GLMC16, LT15, LM16, NJPB17, YDCK16]. forcing [CK16a, Hig15, KLSF15, LC15, PPLC16, PG18, PV17b, YS15]. \textit{form} [ABH18, Del15, DS15c, DKK15, GWK16, JFS17, KML18, OWKE16, RÖS17, RSSSE18, RN18, SPP16b, WKO17, WMM$^{+}$18, XWW$^{+}$16, ZZH16]. formalism [PD17, SD15, SSL$^{+}$16b, TZSS17]. formalisms [OMLdL16]. format [GKMS17, GJ18, LY15c]. formation [AZ17, GP17, SG18, SPM16]. forming [CLFL17, PR16b]. forms [AMH$^{+}$18, PF15]. formula [DF16, LDOK17, PBKK17, RPL$^{+}$18]. formulas [DC18b, Loz17]. Formulation [Kor17, KSVB18, Ten16, TSB$^{+}$18, BVG$^{+}$16, BHST17b, BBF$^{+}$17, BC18c, BS15a, CZBC$^{+}$18, CCK$^{+}$18, CMH15, CGRV17, DG16a, DSH$^{+}$16, DCP15, Don15b, Don18, DPRZ16, DB16b, DPRZ17, FRL15, GMLD18, GS16, GC17, HTFL18, HL16b, Jou15, Kim15, Lap17, Ler15, LHA16b, MRRRF18, MN16b, MT18, MT15, MR16b, NN17, NF17, PND16, QSB18, RG15, RN18, SDMS17, Sel15, SM16, SL16a, WZ18a, YTW15, ZHA17b]. formulations [AG16, FKKD17, JHPAT17, LGO17, Suz18, VS17, WRL16a]. Fortran [GBR15]. forward [FYC$^{+}$18, RMA17]. forward-peaked [FYC$^{+}$18]. four [RS16a, SD17, SSN15]. four-dimensional [RS16a, SD17]. Fourier [GKE15, Str18, AW18, ALMJ15, DY17, Fer17, GS16, GWWC17, HB15a, KFL17, MDVM16, MP16, MH17, ST15, SGT16]. Fourier-spectral [ALMJ15, MP16]. fourth [CG16, DL17, DLL$^{+}$17, DL18b, DL18c, GH17a, GPS17a, GPS17b, GLW18, pHzSrC15, JPSX18, LHMB16, PXLL16, VSC18, YC17]. fourth-order [CG16, DLL$^{+}$17, GH17a, GLW18, pHzSrC15, JPSX18, LHMB16, PXLL16, VSC18, YC17]. FPDEs [ZK15]. FPGA [LWL18]. fraction [DB16a]. Fractional [KHP15, KADE15, KADE17, MK17, YPK16, ZK15, ZM16a, ASB$^{+}$15, Ali15, ADH$^{+}$16, ATZ16, AEAM15, AHKT17, Ata15, BJO18, Beg15, BA15, BZ15, BDBE15, BSWG15, BTWY15, CF15, CC15, CXH15, CNOS15, CLC16, CP16, CWL$^{+}$16, CLZ18, CV16a, Cui15, CGG18, Die15, DMSC16, DLL$^{+}$17, DZC16, DyWZ18, EAAAM15, EE16, GSS15a, GS15a, GMP15, GLW18, HPY18, pHzSrC15, HO15, HB16, HSC16, HZ15, JW15b, JW15c, JW16, JX15, JX17, JWH16, JLLZ15, Kat16, KNS15, LZ16, LYC16, LW17c, LWY17, LGH$^{+}$18, ILNS16, ILNS17, LHZ$^{+}$15, Lot18,Luc15, MBSS15, Mac15, MD17, MD18, MS16a, MR16a, MM15, MP15a, MDDM17, OM15, PCF15, PPC17, QDH15, RZ18, SMC15, SYM15, SYM17, SX15, SPRW15, SLZ$^{+}$17, TY17, TSH17, Vab15, WH15, WZ15, WY16, WH16a, Wu16, WZ17, WZ18b, XY18, XHC15, YYN$^{+}$17, YJB18]. fractional [YLA15, ZK16, ZSP15, ZC15, ZsSK15, ZJL16, ZBZT17, ZHWQ18, ZLL$^{+}$17b]. fractional-order [ZC15]. fractional-step [HPY18]. fractions [EDvW17]. fracture [AEL$^{+}$15a, AEL$^{+}$15b, AEL$^{+}$17, BBB$^{+}$16, BPS16, BHTT17, BHMS18, FFJT16, HCVH18, NFG15, Noe15, Wic16, ZHLZ18]. fracture-matrix [AEL$^{+}$17]. fractured [ABG$^{+}$15, AEVW18, BHMS18, CEL$^{+}$18b, Noe15, SMT$^{+}$16, VSDW18, XYF$^{+}$17, XMC17]. fractures

Fredholm [ZLGS18]. Free [MK15, ZBZ+18, APV+18, AS17, AMA15, ALM15, BD15a, Bk17b, BDG+17, BFI+18, BMT18, BAR15, CMH15, DDV18, FH17, FPDT17, FKY15, FPV18, GC16, GP17, GG15, Hha15, HR17, KLSF15, KO17, LXC+15, LS16c, LW17e, LTW18, LEB+17, MNg15a, MG15b, MNL16, MT16, MTK+16, NWK16, PSS17, PBBK15, DM18, RM+16, RDG17, RZ15, Say17a, Say17b, SW18a, SLB+16, Sla16, TBO+16, VGF16, XLY15, XYPT16, XL16, YSW16, YFJ17, YCS+17, ZFZL15, ZD15a, ZZS+17, GS16].


frequencies [ALM+17, LQB16]. Frequency [KÁGR18, LS15a, WT16, BZ16a, BNM15, CDL17, CC17c, CLQ17, FQNZ18, HBR15, LHMB16, NN17, NWA+15, NWA+16, NN17, Par15, Par17, SZW+16, SJXL15, TEC16, ZZX17, ZF18]. frequency-dependent [SJXL15]. Frequency-domain [LS15a, LHMB16]. Frequency-independent [WT16].


front-tracking [FL18, dJRP+15]. fronts [Kim15, MW17b, SP15b]. Froude [CDV17]. Frozen [LY1A16, LLY15]. FS-type [YIZW+18]. FSHL [WHL17].

FSHL-based [WHL17]. FSI [BHST17a, BHST17b, BHST18, LHB+16, L16, LHW+17]. FTLE [NJ15]. fuel [CLB+16, MTL+17, PBA+15]. Full [LXSC16, ST16, ZKS+15, AEL+17, BFP18, CXX16, DBD+17, HdBH+16, Hig17, HLT18, Ido16, KKP15, MKY17, MAM16, MDP+15, PKN17, Par15]. full- [Ido16, KKP15, Par15]. full-angle [Hig17]. Full-wave [ST16]. Full-waveform [BFP18, MKY17, PKN17]. Fully [AVT17, FLV15, KSI17, LMS17, NN15a, NLW+16, PKLC17, WSP17, XDvW17, BA15, CZB+18, CC16a, CS15a, CC16a, CC16a, CLNH15, CvKH16, Del15, EKEB16, FRY16, GS15b, HYK+16, JHT+18, KGB+15, KL18, LLD+16, LM15a, LMK15, MJ16, MNO+17, MT17, MTJ18, NN17, OvdHV16, PR16a, PP17, DM18, PBC+17, QWX17, SMOM+17, TCS15, TH18, WMY18, XIA15, ZLY15, MHL17]. Fully-coupled [XDvW17, TH18, MHL17]. Fully-implicit [NLW+16, CZB+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, TZSS17, WQZ15, WX18, XYPT16, YSW15, YYL18, YC16, ZXL17, Mue18]. function-based [YSW15]. function-generated [MF17]. Functional [GS16, OLB17, AJP15, AKZ16, AAB16, BHZ16, BEJ15, GJ15, GD15, LC16, MG15a, MF17, MJ17, OD15, PD15, Sha17b, SF18b, SWX18, SP15b, TZSS17, WQZ15, WX18, XYPT16, YSW15, YYL18, YC16, ZXL17, Mue18]. Functionally [WW18]. Functionally-fitted [WW18]. Functions [SNK18, BVM17a, Bar18, BC16b, Brel18, CLP16a, FBW16, FC16, Gri15, HBR15, KDF15, MFB18, PLHA18, STR15, SKS17, SW18a, VGF16, WG16b, WF17, XL17a, XM18, ZKS15]. fusion [FBC16, GDS16, HYK16, JH15, LKK17a, LKK17b, RKH15, Ram17]. future [MSV16], fuzzy [ASB15], FV [CMDL18], FVM [LH18], FVTD [BTGM17, BGTM18].

G [MBM15]. G-FDTD [MBM15]. Gabor [DvB17]. Galerkin [HGN17a, RHS18, TRL15, ZN16, AG16, AM17a, AS15, ADK17, BFI16, BH16a, BJH18, BST18, BFI18, BMD17, BCJL17, BKG18, BFT17, BD17, BCB17, BD18, BT15, CQ18, CBA17, CWM16, Cha18, CHOR17, CHY16, CS17a, CYL16, CYLY18, CZL18, CCK15, CSN18, CK16a, CK16b, DGMT17, DM17b, DKL18, DLL17, DL16, EL18, EHX15, EG18b, FWK17, FWK18, FN17, Fer17, FX18, FGLB16, FB16, FSB16, FS17b, GR18, GS15b, GKW16, GCMK15, GBC18, GSN17, GX15, GY15, HL16a, HGR16, Hig15, HGN17b, HJ16, HB15b, HS18b, Jac17b, JH17, JLLZ15, JL17c, JHT18, KFF17, KRF16, KG15, KF17, LM16, LL16, LW17a, LW18, LPR18, LX18, LTB16b, LP16b, LY16b, LW17e, LS18, LMB18, LTW18, LKSM17, LLL18, LHL15, L15, LHI16, MSK18, MLM18, MRR18, MS16a, MK17, MNG15b, MN16a, MKC17]. Galerkin [MF16a, MLB18, MSP15, MSP16, MSB16, MMPS17, MWY16, MH17, NJ15, NPC15, NPC15, NDC17, NL16, OL16, OKE17, PL16a, PE16a, PSB18, PP17, PP18b, PN16, PMB18, QSY16, QD15, RXS15, RDM15, Say17a, Say17b, Sch16b, SMP16, SLB16, SZ15b, SD16, SE16, SPZ18, STH18, TSC17, TD16a, TD18, Teu16, TXKvdV15, TXKvdV16, TLL18, U16, URL16, VSDW18, VCNOP18, WW15, WZ15, WTGC16, WYZZ18, WSN18, WLE17, WWGK17, W15, WMN18, WBM15b, WH16b, WTX17, Xia15, XJLJ15, XL16, YY16, Zha16, ZHL17, Zha17c, ZBZ17, ZT17, ZK18, dFV15, vOMB17]. Galerkin-Fourier [Fer17]. Galerkin-free [BFI18, SLB16].

Galerkin-mixed [GS15b]. Galilei [GBU15]. Gamblets [OZ17]. game [LL18], gap [MHJ15], gaps [QYF15], gas [AAI16, AEVW18, BLVC17, BMT18, BTA17, CBS18, CX15, CXL16, CCL16, CLM15, DAM15, DY16, DL15, FSB16, GBM16, GJ15, JPS18, JZS18, KJ17b, LS15a, LVB15, LLFX18, LLY18, LXSC16, LKB16, MT16, OCSC18,
LML$^{+16}$, LLM$^{+15}$, LHW$^{+16}$, LWWY$^{+18}$, LKN$^{+17}$, MNG$^{+15a}$, MPF$^{+16}$, MHZ$^{+15}$, MAH$^{+16}$, PMG$^{+16}$, PLW$^{+16}$, PR$^{+16c}$, RRM$^{+16}$, SPB$^{+18}$, SFT$^{+16}$, SP$^{+16c}$, Sub$^{+18}$, SZF$^{+15}$, Teu$^{+15}$, VPM$^{+15}$, Vec$^{+17}$, WD$^{+17}$, WTGC$^{+16}$, WHE$^{+17}$, WHEK$^{+18}$, Wil$^{+18}$, XLI$^{+17a}$, XSY$^{+16}$, YLY$^{+16}$, ZK$^{+15}$, dLDG$^{+18}$.

Grid-based [R016, RRM$^{+16}$]. Grid-independent [WDG$^{+17}$]. Grid-refinement [KS$^{+16d}$]. Grid-to-rod [CLB$^{+16}$]. Gridding [PLB$^{+18}$]. Gridfree [CB$^{+18b}$]. Gridless [DTA$^{+15}$]. Grids [SYV$^{+17}$, ABH$^{+18}$, AB$^{+17}$, AG$^{+18}$, BNK$^{+18}$, BST$^{+15}$, BHTT$^{+17}$, CBC$^{+18}$, CTG$^{+16}$, CYL$^{+16}$, CLP$^{+16b}$, DDJ$^{+18}$, DWR$^{+18}$, DPO$^{+16}$, DL$^{+15}$, DBMB$^{+15}$, FGLW$^{+18}$, HR$^{+18a}$, HL$^{+16a}$, Hu$^{+17}$, IGQ$^{+15}$, IDSG$^{+15}$, IM$^{+17b}$, JLI$^{+17a}$, KL$^{+15a}$, LG$^{+17}$, LB$^{+15}$, LPR$^{+18}$, LYZ$^{+15}$, LY$^{+15b}$, LRT$^{+17}$, LAEK$^{+18}$, LGF$^{+16}$, MM$^{+16b}$, MN$^{+15}$, MDH$^{+15}$, MDM$^{+15}$, MGB$^{+18}$, MGB$^{+18}$, MHGM$^{+15}$, MF$^{+16a}$, ML$^{+16}$, NOM$^{+17}$, NYNYM$^{+15}$, Nis$^{+15}$, Nis$^{+18a}$, OL$^{+17}$, Pxn$^{+17}$, PL$^{+16a}$, PN$^{+17}$, PS$^{+16}$, Pei$^{+16}$, Pf$^{+15}$, PBC$^{+17}$, QR$^{+18}$, QLF$^{+16}$, Rag$^{+15}$, RD$^{+17}$, RKO$^{+17b}$, RHy$^{+17}$, STK$^{+16}$, SS$^{+16b}$, SwS$^{+16}$, SYV$^{+14}$, SGD$^{+18}$, Sti$^{+16}$, TRLK$^{+18}$, WR$^{+15}$, WCN$^{+15}$, WRL$^{+16a}$, WRL$^{+16b}$, WR$^{+17}$, WWR$^{+17}$, WK$^{+15}$, WRL$^{+18}$, X$^{+16}$, XDSX$^{+17}$, XX$^{+17}$, XL$^{+16}$, XW$^{+17}$, XAI$^{+15b}$, ZSW$^{+17}$].

Gross [ATZ$^{+16}$, MBM$^{+15}$]. Ground [ATZ$^{+16}$, BJTZ$^{+15}$, Rua$^{+18}$]. Group [JPLL$^{+15}$, KA$^{+15}$, LWLC$^{+17}$, MW$^{+16b}$]. Growing [Bra$^{+16c}$]. Growth [DMS$^{+17}$, FCW$^{+18}$, JTR$^{+16}$, LT$^{+18}$, RW$^{+15b}$, RTO$^{+15}$, YZW$^{+17}$, YC$^{+16}$, dlCG$^{+17}$]. GRP [DL$^{+18b}$, WW$^{+15}$]. Grünewald [MBSS$^{+15}$]. Guaranteed [DWGW$^{+16}$]. Guided [GBS$^{+15}$]. Guiding [PKK$^{+18}$]. GW [LLF$^{+15}$]. Gyrokinetic [CBB$^{+16}$, CB$^{+18a}$, DCD$^{+18}$, JTO$^{+15}$, LT$^{+18}$, RW$^{+15b}$, RTO$^{+15}$, YZW$^{+17}$, YC$^{+16}$, dlCG$^{+17}$].

h [CYYL$^{+18}$, CC$^{+17a}$]. h-adaptive [CYYL$^{+18}$]. H-PCFE [CC$^{+17a}$]. Haar [ABP$^{+16}$, AAE$^{+17}$]. Haemodynamics [BFI$^{+16}$, Gam$^{+15}$]. Hagstrom [AMP$^{+16}$]. Hagstrom-Warburton [AMP$^{+16}$]. Half [AS$^{+16}$, GMP$^{+16}$]. Half-range [AS$^{+16}$]. Half-spaces [GMP$^{+16}$]. Hall [MAH$^{+16}$, SS$^{+17c}$]. Hamilton [DG$^{+16b}$, O$^{+15}a$, QZ$^{+16a}$, ZS$^{+17}$]. Hamiltonian [QHZ$^{+15}$, CEF$^{+15}$, GAN$^{+16}$, KML$^{+18}$, LW$^{+15b}$, LY$^{+16b}$, MW$^{+16b}$, MW$^{+17a}$, OLB$^{+17}$, RPS$^{+18}$, SCN$^{+17}$, TSC$^{+17}$, TRLK$^{+18}$, ZZ$^{+16}$, vOM$^{+17}$]. Handling [ADGN$^{+17}$, MPR$^{+18}$]. Hard [CT$^{+15}$, Cos$^{+16}$, KB$^{+15a}$, SA$^{+17}$]. Hard-core [Cos$^{+16}$]. Hard-sphere [CT$^{+15}$]. HARM [RKO$^{+17b}$]. Harmonic [DGL$^{+15}$, ETAG$^{+15}$, MS$^{+18b}$, RM$^{+16}$, RPC$^{+18}$, SC$^{+18b}$]. Hasegawa [HK$^{+15a}$]. Haut [AS$^{+17}$]. HDG [MTBT$^{+18}$, SCN$^{+17}$]. HDMR [JL$^{+15}$]. Heart [AN$^{+16}$, KDP$^{+15}$, NCP$^{+17}$, SBG$^{+17}$]. Heat [FS$^{+15}$, CP$^{+16}$, DPRZ$^{+16}$, HGI$^{+17}$, HDA$^{+18}$, HC$^{+17}$, JL$^{+17c}$, MBHS$^{+17}$, PL$^{+18}$, STK$^{+16}$, ST$^{+15}$, VBGI$^{+16}$, WSP$^{+17}$, WL$^{+18}$, WED$^{+15}$, YK$^{+15}$]. Heat-conducting [DPRZ$^{+16}$]. Heated [KHP$^{+17}$]. Height [OD$^{+15}$]. Helices [XR$^{+17}$]. Helicity [Suz$^{+18}$]. Helicity-preserving [Suz$^{+18}$]. Helmholtz [ABFR$^{+16}$, BBF$^{+17}$, BDK$^{+17}$, CDC$^{+17}$, Cha$^{+16}$, CHCC$^{+18}$, CMH$^{+15}$, DLS$^{+15}$, EFHZ$^{+17}$, EG$^{+16}$, FQZ$^{+18}$, HK$^{+18b}$, JHPAT$^{+17}$, LGB$^{+16}$, LQ$^{+16}$, NPRC$^{+15}$, OL$^{+16}$, RSB$^{+16}$, SLR$^{+16}$, SwS$^{+16}$, Sto$^{+16}$, TCD$^{+17}$, WA$^{+18}$, YL$^{+17}$, Z$^{+16}$]. Hemodynamic [ISP$^{+15}$]. Hemodynamics [DFGQ$^{+16}$, MSV$^{+16}$]. Hermite
Heterogeneous

Hierarchical

High

Hidden

[AS16, DL18b, HXB15, LIW18, Nor15, ST18a, TLQ15, TLQ16, YLBL16, ZQ16a, ZSQ17]. Hermitian [VYP15, ZD15a]. heterogeneity

[BRK17, CGG18]. heterogeneous [ABG15, BC18c, BM16, BSWG15, BKKRB16, CMGH18, CHCC18, CEL18b, CFvKH18, DDV15, DD16b, FQZNZ18, GFG15, GTQ16, HL15b, LKK17b, LGK17, MGK17, MSS16, SNSG16, SPX18, SAEF17, SHP16, TKB15, TWH15, TAH16, TMT17, YGEM17, ZAK15, ZHWQ18, dMRH17]. hex [RGW16]. hexagonal [GHL16, RKRGW17]. hexahedral [WHY18]. HFVS [CJL16]. Hidden [RK18]. HIE [Ram18]. Hierarchical

[BABD16, DH18b, PK16, TS17, AAE17, LMBZ15, OS16, RBJ18, SA15, XQ17]. High [AD17, ABFR16, And16, ADK17, ABR16, BJRF18, BN15, BST18, BK16b, BDZ15, BD18, CKK18b, CLX15, CLTX15, CC16c, DIX18, DS16, DNL15, DHC15, DD18, DPRZ16, DPRZ17, FP16, GMA18, IDSG15, JLQ15, JFS17, KW15a, LX16, Li17, LZ17b, LS16c, MR16, MN17, MS15c, MW16a, MDHC15, MC15, MP15b, MM16c, MSH15, NMC15, OV17, PxRS17, PLHA18, PAK16, RA17, Sch16b, Shu16, SYV17, SY18b, SC18b, TLQ15, TLQ16, TLH15, VAD17, WL17, WT15, XJLQ15, AHN15, AD15, ALM17, AMP16, APKP16, ALM15J, ANL16, BD15a, BAGK16, BZ16a, BMR16, BGG16, BZ18, BFT17, BSM16, BDP18, BTT18, BFTVC18, CGQ18, CB16, CBS18, CB15, CMGH18, CCK17, CDL17, CQ15, CJL16, CS17a, CZ17, CZL18, CVK16, CFST16, CLQ17, Cot18, CLP16b, CWJ18, DC18b, DWGW16, FDK17, Fal17]. high [FQZNZ18, FAZ16, FWK17, FB16, FK17, FHA16, FHA18, FYO16, hGwsS15, GFC18, Ger17, GSL18, GS18, GGL17, GGT15, GEZ16, GY15, HAPK15, HTZG17, HBR15, HW16a, HN17a, HN17b, HN18, HF18, HLQ16, JZX18, JTD16, KC17a, KCW17, KHI17, KRF16, KYW16, KYN18, Kou16, KFWK17, LM16, LMS17, Lap16, LLP16, LAL18, Ler15, Ler16, LS16, LLS16, LL17b, LL17c, LGBK16, LGB16, LWB16, LW17d, LSZ18, LIW18, LMS17, LQB16, LP17b, LSI16, MLM18, MS16b, MNG15b, MA17, MN16a, MKC17, MDM15, MA16, MSB16, MMP17, ML16, MB15, MM16d, NYNYM15, NMM15, NJ15, NN15a, NNW17, NL18a, LDL17, O’S15b, OSK18, PE16a, PP18b, PKW17, PE16b, PMB18, PBC17, QWX18, QSB18, RXS15, RXS16, RGPS17, RSB16, RN18, STH17, Say17a, Say17b, SSVL18, SL18, SC18a, SWLZ15, STG17, SYV14, SLN15]. high [SPZ18, SG16, ST17, Sli16, SK18, SK15b, Tao16, TD18, TK12, TK15b, Ter18, TM16, TM18, Tre16, TBG16, TKP16, Tso18, UG16, VPV17, VN15, VWV15, VSM16a, VSM16b, VBF15, WW15, WLM15, WZ15, WS15, WC15, WRL16a, WRL16b, WTC16, WP17, WL18, WSR15, WDG17, WME17, XQ17, YCP15, YF17, ZP16, ZKK16, ZL15b, ZZZ17, Zha17c, ZED15, ZXL17, ZS17, dLD18G, DL18c]. high-accuracy

[CCB16, Fal17, WZ15]. high-aspect [Sti16]. high-dimensional

[BGG16, CB15, CQ15, CVK16, Cot18, FDK17, FK17, Kou16, LL16, LL16c, LW17d, TBG16, WC15, WTGC16, ZZK16]. high-energy [LM16]. High-fidelity [MS15c, MW16a, LSWF16, MS16b, PKW17, UG16, VBF15].
high-frequency [CDL17, CLQ17, FQZNZ18, HBR15, NNW17, Tre16].

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

[BD18, DS16, AD17, ADK+17, ABH18, ABR16, BNM15, CKK18b, CC16c, DLC15, DDH+18, DCD+18, FP16, IDS15, KW15a, LZ17b, LS16c, MR16, MDHC15, NMC15, PLHA18, RA17, Sch16b, SC18b, TLQ15, TLQ16, TLH15, WL17, WT15, AHNF15, AMP16, APKP16, ALMJ15, BAGK16, BZ18, BFT17, BSM16, BTT18, CBS18, CGMH18, CCK+17, CFST16, CLP16b, CW18, DC18b, DWGW16, FAZ16, FWK17, FPA16, FHA18, GFWSz18, GFC18, GSL18, GGL+17, GEZK16, GY15, HTZG17, HN17a, HN17b, HN18, HF18, HLQ16, JZX18, JTD16, KC17a, KFWRK17, LMS17, LAL18, Ler15, Ler16, LGB16, LW17d, LSI16, MLM18, MNG15b, MA17, MN16a, MKC17, MDKM+15, MA16, MMPS17, MM16d, NJ15, O'S15b, OSKN18, PE16b, PMB18, PBC+17, QWX18, RXSG15, RSY16, RSY16, Say17a, Say17b, SC18a, SWLZ15, STG17, STG17, Sti16, Tao16, TK12]. **high-order**

[TK15b, Ter18, TMH16, TMH18, TKP16, Tso18, VPV+17, VN15, VWV17, WLM15, WSR15, YCPD15, YFJ17, ZP16, ZL15b, ZZZ17, 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-resolution** [GMA18]. **high-Reynolds-number** [NL18a]. **high-speed** [BMR+16, GEZK16, MSB+16, QSB18]. **Higher**

[APP+16, BH18, BC16c, GS16, HSLQ16, JC17, LTXB17, LAK+16, Sub18, Tie16, WR16, BGMT18, BPF+16, DPO16, DNBH15, DM17b, FRRV16, HB16, JY18, LBTG16, LW17c,Rua18, WSOW16, XY18, ZLL16b, ZLL17a]. **Higher-order**

[APP+16, BH18, BC16c, GS16, JC17, LTXB17, LAK+16, Sub18, Tie16, WR16, BPF+16, DPO16, DM17b, FRRV16, HB16, LBTG16,Rua18, WSOW16]. **highly**

[ABG+15, FTY+18, GXX17, KRO+17b, ST18c, TT17b, WA18, YS17]. **Hilliard** [HW15a, ZYCK15, CS16c, CLS+18, DD16a, DQ71Q18, GX15, HTMP17, KS16a, KMdB16, LJZ15, LCK16, MGCW18, WX17, ZSX17]. **Hilliard-Brinkman** [GX15]. **Hinsberg** [CFO18]. **HLL** [Bal15, DG16a, FLW16, SW17a, VNA15]. **HLL-** [DG16a]. **HLL-type** [SW17a]. **HLLC** [DG16a, GOR17, Guo15, LGDH16, SY16]. **HLLC-based** [GOR17]. **HLLC-type** [DG16a, LGDH16, SY16]. **HLLD** [GFW16]. **HLLEM** [DB16b]. **HLLI** [BN17]. **Hodge** [DPO16]. **Hoekstra** [XS15]. **hole** [KP15b]. **holes** [ABT17]. **HOLO** [CCK+17]. **homogeneous** [CGK17, DGHP17, DDS18, HW+16, MPT16, SUR18]. **homogenization** [AR16b, GO15, MZ16, NG516]. **homogenized** [LMM17]. **Homogenizing** [TY17]. **homology** [WW16]. **homopolymer** [Yan16b]. **homotopy** [BZ16b]. **HOOMD** [YZW+18]. **HOOMD-blue** [YZW+18]. **Hopf** [EEG+15, LDK17, LP17a, RPL+18]. **horizontal** [FDS+15, SHG15]. **Hot** [HED+16]. **hourglass** [KSSL18]. **hp** [CC17a, CK16a, MSP16]. **hp-adaptive** [CC17a]. **HPC** [BLA+15]. **HRSSA** [MPT16]. **hull** [LM15b]. **human** [ANL+16, NCP+17]. **Hurwicz** [DFM17]. **Huygens** [KLQ17, LQB16].
HWENO [CQQ16, LHQ16]. Hybrid [BD18, BHMS18, CSS15, Cho15, DG16b, DEZ16, HLML17, LZZS15, MJ17, MH17, SSDN15, SW17a, SGA+15, AVT17, ALM+17, Ama18, AdS+15, BT17a, BBKS16, BBB+16, BFTVC18, CWM+16, Che18, CZL18, COV18, CFPB17, CBX+16, CG15, CGGH17, CYWL17, DD17, DZ18, DTA+15, DJV+18, Dom18, EAR15, FQZNZ18, FX18, FLW16, GBC+18, HXLL15, HWA15, HLY15, Id16, KD17a, KF15, KB18, KHC+16, LSLA16, LML+16, LTW18, LPBR15, LMN18, LHQ16, ML17, MPT16, MS16b, MR16a, MAM16, MN16b, MF16a, MDAB18, Niu16, PL16a, PBC+17, PWP15, RBJS15, SWLZ15, SCJ+18, SCS16, TAJ+17, Tie16, WMY16, WPB15, WR16, XWL+16, XDSX17, XX17, XML17, XZ+18, Yan16a, YWS+16, YX15, YB17, ZZKF15, dlCGCA17, AB15, GSS15b, RKO+17b]. Hybrid-dimensional [BHMS18, XML17]. hybrid-Lagrangian [KHC+16].

Hybridizable [UL16, NPRC15, SMP16, VCNOP18]. hybridized [BT15, FNP17, MLM18]. hydraulics [CBN+16, SSC+16, TSB+18]. hydro [CYS17, MRP+15]. hydro-dynamically [CYS17]. hydro-geophysical [MRP+15]. hydrocode [VZG18]. Hydrodynamic [GA18, BMC+18, KV16, LMB18, LCF16, MWB+15a, MWB+15b, MLB18, NJPB17, Ram17, WRL18, ZSYW16, ZK18]. hydrodynamically [PMGW16]. hydrodynamically-consistent [PMGW16]. Hydrodynamics [AWS16, DRM15, FRO17, KRK+18, MLB18, SL16c, LSR16, MPR+18, NT15, PKP+17, PLB18, QSY15, RKO+17b, SKO18, TOR+15, TL17, WT15, ZS16, ZHA+17b, TPA16a]. hydrogels [LJZ15]. hydrology [MRA16]. hydrophobic [Fed17]. hydrostatic [AZ16, GDFL17, LX18, YP17]. hyper [MG15b, Tsa16]. hyper-geometric [MG15b]. Hyperbolic [NL18a, NN16, PMF15, BD15b, BN17, BK16b, BLD15, CTG16, CS17a, CTC+16, DL18a, DL18b, DPRZ16, DB16b, DPRZ17, EFT15, FLV18, FS17b, FHA17b, FH18a, GKN18, HS18b, IDS15, JL18c, JXZ15, KKS15, KKS16, KA15, LMS17, LAL18, LMB18, LLLN18, LPR17a, MS18, MA17, MN15, MN16a, MRN16, MDHC15, MB15, NMM16, NB18, NN15a, NN18, NS18a, NS18b, NW15, OZ17, PxRS17, POS16, RY118, SL18, SPB18, SPP16b, SSMR18, TLQ15, TM15a, TM15b, TC5c, TPB16, VNA15, WLGD18, WTX17, YJ17, ZPW18, ZQ16b]. hyperbolic-equation [KKS15, KKS16]. Hyperbolization [VST16]. hypercontraction [LY15c]. hyperelastic [BM16, CWW17]. hyperelasticity [HFM17]. hyperinterpolation [LB15]. hypersingular [Tsa15]. hypersonic [GRS15, XZ+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, ALTR17, CLvS17, CS18a, IPSG15, KDL15, MDW18, MR17, RW15b, SRB+17, WTL17]. ice-covered [MDW18].
icosahedral [Sub18]. Ideal [DWG+18, BK17c, BND16, CFST16, DGW17, Dlk17, KW15b, Lsz18, PL16b, WSH+17, WG16b, WDGW17, XL16].
idealized [FCW+18]. Identification [CGM15, KM16b, TBLM15, BCB15, EFHZ17, RYZ18, ST15, ZFPB16].
identify [SPM+15]. Identifying [CGM15, KM16b, TBLM15, BCB15, EFHZ17, RYZ18, ST15, ZFPB16].
imposed [ADE+17]. Improving [KLSF15, YS18]. Improvement [SY17, BK17a, OMLdL16, PSMPG17, WBC+16]. Improvements [ACCCDA16, Ani16, HPV16, COdLL18]. Improvement [Har18]. incident [BFP18]. Include [HMRG16]. Inclusion [TSR15]. Inclusions [DCA+16, LKB15, WL18]. incompletely [WN18]. Incompressibility [ZZKF15]. Incompressible [LSR16, RV16, ZSZ+17, ACS16, ALL18, BHST17a, BHST17b, BHST18, FBI+18, BCB17, BFTVC18, CCRdL17, CS16e, CX16, CCKQ15, CS17b, CCM17, CLP16b, Don15a, DS15c, Don15b, Don17, Don18, Fan16, FWK17, FWK18, FLV15, Fer17, GTG15, HPY18, HGW18, HP17, HTMP17, Kla15, KW16, KFWK17, LVTR15, LE16, LRA17, LM18, LHB+16, Li17, LZ17a, LS16c, LC16, LC17b, LH18, LZW+17, LHA15b, MHHX16, MS18b, MLM18, MC15, MPFL16, MHS16, MR16b, MN18c, NT15, OVP15, PG17, PKP+17, PL16a, PPLC16, PF16, PND16, PBBK15, PMB18, PQR17, QYF15, RBJS15, RDM15, SL17, SMS16, SY18a, SL1+16, SSO+15, SGT17, SST+15, Suz18, TLH15, TD16a, TOR+15, Tou18, VL15, VK15, Vre17, WDG+17, WSS+15, WSHT15, WZ18a, WSF17, XLW+16, XX16, YSWS16, YD18, YZZ15, dFJN16]. Incompressible-compressible [LSR16]. incorporated [LHW+17]. increased [DBZ17]. Increasing [Die15]. increasingly [KMGR16]. Incremental [SKS17, CBN+16]. independent [Bre18, CLM16, HDF18, WDG+17, WT16, YS18]. Index [LTKA15]. Indicator [FS17b, HC18b, RH18]. indistinguishable [SD15]. Induced [BPGS16, FRL15, HDA+18, YR15]. Inducing [LAA16]. Induction [ACC+15, BK17b]. Inductively [MNO+17, TC15d]. Industry [VVW17]. Industry-standard [VVW17]. Inequality [MCN18, OKE17, YSY17]. Inertial [Ram17]. Inextensibility [Vog17]. Inextensible [RV16]. Inference [CZB15, HKKP16, HY17, IPSG15, LZ18, LYLK17, MPP15, NS16, SPP+16a]. Inferring [RPK17a]. infiltration [MRP+15]. infinite [And16, BGL+17, CZB15, GBD17, HY17, MJ17, SHLG15, ZBZ+18]. infinite-dimensional [BGL+17]. Inflow [KHHN16, CSLL15, ST18a]. Inflow/outflow [KHHN16]. Influence [SC18a, MDMS18]. Information [GKRBl7, KRBW17, LKK17a, LKK17b, LSWF16, RM15]. informed
inhomogeneity [APKP16, CLQ16, CMW16].

**inhomogeneous** [AJP15, LPWK15].

initial [DZC16, MM15]. initial-value [DZC16]. initialization [Wac15].

initio [Gen15, LLVF15]. injection [KS18a, dCPDC17]. inputs [LL17, JXZ15, JL17c, LL16c].

Insilico [HED16].

injection [KS18a, dCPDC17]. inputs [LL17, JXZ15, JL17c, LL16c].

insoluble [SA16, dJRP15].

instabilities [MCS16, XLL17]. instability [CCZ15, DNOP15, MHZ15, RLV16]. instationary [AMM15].

instability [CCZ15, DNOP15, MHZ15, RLV16].

integrals [BPF16, LO16, Tsa15, Tsa16]. integrated [SSC16, ZHWQ18].

integration [BCM15a, BBBG15, EBQ15, EMSS17, FCL17, GZY16, GP16a, HEPG15, JZ16, JFS17, LMS17, LLVF15, MM16b, MTK16, NDCB17, PK18, SXBB15, SGL18, SAOW17, TWN15, TW17, TC15c, WCN15, Web14, WBC16, WHE17, WHEK18, Yi18, ZJS15]. integrations [RMK15].

integrator [BZ16a, LLWJ18, SS18, WSR15]. integrators [CSS17, ETL17, FPASS16, GAN16, GRT18, KTG16, LW15b, LWL17, LIW18, LTR17, RFPSSA18, Tao16, WW18, WZ18b].

Intel [SGL18]. intense [Vai15]. interacting [CGSS18, GBS15, MFB18, MM18, SGMS16].

Interaction [CLM15, TFGK18, AMB17, BQCG17, BCM15b, Buk16, CGSS18, CZBC18, CM16a, CD18, CH17, CM16b, CYWL17, DG18, DFGQ16, EKSS15, FW18, FLV15, GKMS17, GLS15, Har18, HDF18, HLL18, HTBG15, KH15, KLC18, KC17c, LT16a, LC15, LLY18, LGD17, MPR18, MTK17, MAA18, MOR18, PHHA18, PHÖ16, PR16a, Rua18, Say17a, Say17b, SSL16a, SSVL18, SA16, SGC17, SMP16, SMOM17, SCS18, Vai15, WCH17, Wie16, YXF16, dTP16]. interactions [ATZ16, BHK16, BJT15, BTA17, BPM18, Cos16, DG16a, FRW16, HWH16, LML16, LXL17, LSP18, MKV17, PSV18, SGC18, SMA16, WMY18, YS15]. interacting [CLL17]. interatomic [TST15].

**intercellular** [CFG16]. interchange [Sov16]. Interface [ABG15, CNG99, DS15a, GZ17, GWYS18, GLTG15, GPG17, VK15, AAL15, AMN18, APKP16, ACS16, BKS15, BCTJ15, CNG17, CTJ17, CWW17, CR18, DS15b, De18, DXW18, DF16, FB17, FMRZ17, GHR17, GLB18, GWC18, GY17, GY18, HHA15, HWH16, HTZG17, HGI17, HLY15, HLY16, HW15c, IM15, JLC15, KTK15, KS16c, KS18b, KSVB18, LDS17, LSR16, LD15, LHA15b, MNG15a, MCW16, MNR17, MTZ16, MWYZ16, NFG15, OD15, PHHA18, PW18, PR17b, QWX18, RW15b, RV16, Say17a, Say17b, SA16, SHA16, SLC18, SCI18, SGD18, SA15, SR18, VPM15, WSS15, WL17, XLY15, XX17, XP15, ZL15b, ZD15b, ZGW16, TKB15].

interface-enriched [SA15], interface-fitted [CWW17].
interface-interaction [PHHA18, SA16]. Interface-preserving [GWYS18].
interface-resolved [SLC+18]. interface-sharpening [HTZG17].
interfaces [ADGN17, AB18, BAR15, CZL+15, CSM17, CLM15, DX+18, ELH+16,
HKLZ18, HGR16, KKL17, LSM17, MAK15, MF17, NN17, OS16, OCSC18,
PCN15a, PR16b, PS14, PS15a, QDRB15, SMOM+17, WXW15, WB17,
ZILZ15, dFVJ15]. 
interfacial
[DXvW18, GOR17, KRK+18, LHA16b, Say17a, Say17b, SZCL18].
Interior [MRRRF18, Fer17, OKE17, PKA+16, DM18, SL17]. interiors [BLC+17].
interlayers [SSL17]. intermediate [PDS15]. intermetallic [ZMYW18].
internal [BD15b, BN17, Guo15, MCS16, SVG18, vOMB17]. interphase [HG17].
interpolating [WLK+16]. Interpolation [SNK18, dPSS16, APP+16, ABdC+18, BDG+17, BST15, CGM18, DJD+17,
FYO+15, HSC16, JYY18, JWH16, KAR17, KMGR16, LB15, MCM16,
MAP17, MBD15, NMA15, PJC16, PF15, RDG17, WR15, WKO17,
XYPT16, ZWB+18, FBBB16]. interpolation-free [RDG17]. interpolative [BBB15, LT17b]. interpolating [BPS17]. intersection [CZJ17].
interstitialcy [BBW16]. introducing [TTN+16]. intrusive [Blo17, HFND18, HU18, YXF+17, vdBDK17, NW17]. intuitive [ZW15].
invariant [GP17]. invariance [BK16, GHL15, LJT16]. Invariant [JL18c, YZW17].
Invariance [JL18c, YZW17]. invariants [Hu15, LDHJ15].
Inverse [DD18, LBTC16, LLL16, LFT+16, AJP15, BKO18, BCSK17, BSK15,
BrTBI18, BGL+17, BKL17, CT15, CGM15, CMW16, EZG16, FK17, GZY16,
GRMK15, GWE+15, GHH+16, KE15, LPU18, LW15a, LY16a, LMT15,
NKN+17, Par15, RY18, TCD17, WL18, WLK+16, ZF18].
inverse-power-law [CT15]. inverses [For16]. inversion [BFP18, CS16b, LL15, LLY15, MKYZ17, MRP+15, PKN17, PD16a, dFGS+17].
inverting [XL17b]. investigate [MZ15, WPB15]. Investigation [BR15a, CS16b, PKB15, VS17]. investigations [ZL17b]. inviscid [BR15b, BR16, LLW17, Lox17, PL18, RDG17, YSW15]. invisible [Chu17].
invoking [Don15b, FSW17, FS15, LGD15]. Ion [dCPDC+17, CCZ15, KB18, MP16, TTN+16]. ion-acoustic [CCZ15].
ion-electron [MP16]. ionic [X15]. ionization [CV16b, LYCC17, YC15].
ionization/recombination [YCBC15]. ionized [PMS15, Zoh17]. ionizer [Fon16]. ions [SPCH16]. IP [XJG18, XWZ+18]. IPDG [CLQ17]. irradiated [HMBH15, T117a]. irregular [ABG18c, CXL16, GLT15, LC18, LPT16,
isogeometric [BLJ17, BG16b, HTMP17, KMD16, PXXZ15, PCX17, CRMP16, KC17c,
LDL+16, OWKE16, OKWE17, SLVE18, WKO17, ZS17]. isoparametric [Pas16]. isothermal [BLVC16, KB18, OTS17, TXKvdV15, XML17].
isotropic [An17, CLS+18, SS17c]. ISPH [HKH+16, KGS17, KHN16].

[BR16, O’S15b, BR15b, BZ18, CCRdL17, CB15, HK18a, HS18b, JH17, MK16, MW17a, MH18b, NMC15, PP17, SLL17, WJD16, WBM15a, ZT17.]

L [EH15, XS15]. laden [AMB17, BKG15, ST18c]. Lagrange
[Bra16b, BMCK15, CGS15, DDJ18, FG16, ID17].

Lagrange-Projection [CGK17]. Lagrange-remap [DDJ18]. Lagrangian
[AGBL15, AB16a, BMR+16, BKS18, BDM17, BS15b, BLD15, BDZ15, BD17, BDL, BKK17, CQQ16, CGQ18, Cap18, CML18c, Cot18, DL15, DB16a, DLR15, DA017, FL18, FGB15, FFF16, FLW16, GBM16, Ger17, HAH16, IS17, KHC+16, KSS18, KYPK15, L516, LSTK15, LMB18, LCF16, MC18, MBW+15a, MBW+15b, MLD18, NJ15, OML16, OD17, PP18a, PLB18, PBBK15, PPK18, PF16, PVB17, Ram17, SRBÖ17, SWC18, SPB17, SW18a, SFT16, TL17, VW16, VSM16a, VSM16b, WSN+15, WRL18].

Lagrangian-based [SRBÖ17]. Lagrangian-type [BDZ15]. Laguerre
[Ter18]. laminate [ZWYW18]. Lanczos [ZWUR16]. Landau
[BHZ16, EMSS17, FCLC18, GS15b, HLY+16, KL17b, LZ15a, SKP+15, SSL+16b, Tav15, WH16a, ZYW16, ZG17]. Landau-de [BHZ16]. Landing
[SGL18]. landslides [dLAC17]. Langevin
[ALA16, MGT18, TR17, VS17]. Laplace
[ABN15, BSK15, HPV16, LP17, SLR+16]. Laplacian
[BBM16, CP16, DvW18, FSW17, RM16]. Laplacians
[DBD18, SYM15]. Large
[CLB+16, DKPC15, DL18a, FNP17, AG18, BQCG17, BR15a, BPM18, BBBG15, BJ16, Ca15a, Ca15b, CGS18, CZL+15, CGC17, CM18b, CC16c, CS17b, CHE+17, CM16, DLL17, EG18a, ELH+16, FB17, Fer17, FG17, FRW16, GHH15, GDFL17, GFL17, GLS15, HXB15, HLTC18, IPSG15, Jo18, KP15a, KDPK15, LHS+18, LML17, LXX17, LWL18, Liu16, MD16, NYNY15, OL16, PLL15b, PSL16, RFGS15, RSL16b, RW18, RDG17, SKP+15, SM18a, SSA17, TRL15, TSR15, VV16, VKE+18, WSY15, WSS+15, WST15, WM16, WC18, XB18, CL16, CWS18, LLM17, PD17, TAB17].

large-angle [TSR15]. Large-Eddy
[FNP17, CLB+16, BR15a, MD16, RWG18, SMD18a, CL16, CWS18, LLM17].

Large-scale
[DKPC15, AG18, Cac15a, Cac15b, CGS18, CGC17, CM16, IPSG15, KDPK15, LHS+18, LML17, LXX17, LWL18, SKP+15, SSA17, VKE+18, XB18]. laser
[ALM15, JB15, TSN16, Vai15, WTS+17, YX+16]. laser-molecule
[Vai15]. last [GG15]. latency [AW16]. latitude [SFT16].

latitude-longitude [SFT16]. Lattice
[AS16, CSB15, GBU15, GW16, GSS15b, HK15a, MKV+17, PF16, ZY16, ZQCT15, ARF18, APT17, AJVH17, BTVB15, BAR15, CLM15, CYWL17, DCKB15, FGL16, FB17, FBL17, FST15, GPS17a, GPS17b, GR15, GBCF15, GBCF16, HL15, HY15, HW15c, HHH16, HWH16, HW16b, HW18, JSY15, KGT15, KP15a, KS15b, KS16d, LFDP16, LL16b, Li17, LC16, LC17b, LWB+16, MW16, MG17, MK15, MHG15+15, NS16, Ols15, PMG16, PGGW18, RS15a, RTO15, STW16, Shi17, STG17, WSY15, WSH15, WSY16, Xie15, XR17, YFKS15, YYY+16, ZY17, ZWG17, LDZ15, WGME17, YC16].
lattice-Boltzmann [GBCF16, ARF18, GBCF15, KGT15, LL16b, WGME17]. lattices [FST15]. Location [For16, GRMK15]. law [AP16, CT15, JL18c, LYZ15, LY15b]. laws [AW18, BD15b, Bal15, BT16, BMRA+15, BK16b, BLD15, CHOR17, CS17a, Cho15, CTM+16, Del15, DL18a, DL18b, EFT15, FS15, FS17b, FHTA17, FHTA18, GKA18, HNS15, HAH16, IC17, IDSG15, LMS17, LMBZ15, LSI16, MDVM16, MDHC15, MB15, NMM16, Nor15, PxRS17, SL17a, SL18, SGC+18, SWZ15, SLZ15, SW16, TLQ15, TM15a, TM15b, VNA15, WLG18, ZP16, ZPW18, ZQ16b]. Lax [DDJ18, DL18c, FLW16, Heu17, LDOK17, LFT+16, RPL+18]. layer [BG16a, CKK18a, CS18b, CMH15, DGHP17, DKK15, HRJ+16, KM16a, KHP17, NL18a, PM16, SN15, SHLG15, ST18b, SD16, SJH+15, WG16a, DZR18]. layered [CHCC18, DvB17, Gib18, Hig15, HN17a, HN17b, HN18, LKB15, MSS16, RZ17]. layers [BJK17, BBN18, BFNGDNR18, BLC+17, CC18, GTH18, MDT16, Pin15, PD16b, SL17, WBM+15b, DCCC16]. LBFGS [YGJ18]. LBM [STR15]. LDG [LHQ16]. leaky [Tre16]. leapfrog [MM16b]. Learning [RC18, CE18, LKK17b, LJT16, PD16a, PT17b, RPK17b, RK18, XTS+16, ZLC+18]. Least [CNW17, NW17, SNK18, BVG+16, BtTBI18, Blol7, CBA17, CZL18, HGW18, JL15, KP15c, LYY18, LJ16, MAP17, SX16, TMWF18, TML16, VLN+18, ZNX15, dTP16]. least-squares [BtTBI18, CBA17, CZL18, HGW18, LYY18, MAP17, TMWF18, ZNX15]. least-squares/fictitious [HGW18]. left [Mac15]. Legendre [BR17, Bre18, MDVM16]. Leidenfrost [VALT16]. length [MMW15, OSP17]. LES/under [MMP17]. LES/under-resolved [MMP17]. Letnikov [MBSS15]. Level [AAL15, AB15, HIN+16, SGD18, VALT16, dLG17+17, AASRT17, AT18, CWWZ17, CD17, CG16, CM16b, GLTB18, GHP15, GFO18, GWYS18, HKJ17, JLC15, JHI17, JGS16, LMS17, LLY15, LVL18, LSYF15, MGBG16, MS16, MM16c, MW17b, MLM17, NKL+15, OL+17, PLA18, QWX18, SCJ+18, SSA17, TAR17, Vb18, Wac15, XLS18, YCS+17, ZC18, ZED15, ZQCT15, ZHW18, BAVC17, IBML16, LVRT15]. Level-by-level [HIN+16]. Level-set [dLG17+17, AASRT17, GFO18, HJK17, MGBG16, OL+17, PLA18, SSA17, Wac15, XLS18, YCS+17]. levelset [vdLJLV16]. Lewy [GSK18]. lid [EN17]. lid-driven [EN17]. lidar [SNB+15]. Lie [YXX+16]. Lifschitz [EMSS17]. Lifshitz [KL17b]. lifting [STR15]. Light [TK16, TM17, CSSL15, SSL+16a, SSVL18, SKF15]. like [BKP16, CGK17, Don15a, Fal17, GSRM18, KD17a, KNS15, LB15, LZZS15, MB+15a, NNL+15, Par15, PT17b, SPP16b, SLL15, TK12, TK15b, WWR17]. likelihood [CLM16, CMW16, NS16]. likelihood-informed [CLM16, CMW16]. limit [BZ16a, CX15, DDD17, Fal16, HW15b, KMGR16, LB17, LTWZ18, LZL+17, LP17a, PMF15, SPP+16a, SSM15, WY16]. Limitations [LMTC15, AAPB17]. limited [AJP15, AP16, BFP18, BL18, KKZ15, Par15]. limited-view [AJP15, Par15]. limiter [DL16, KH17, Kri17, Tso18, ZJL15, KH17]. limiters [CK16b, GK18]. limiting
[BD17, DKK+18, LY16c, LK16b, Nor15, PK16, dFVJ15]. limits [MW15].

line [ABG+18b, FB17, FPV18, HB16, HW18, LGPT16, LBZ16, LHA16a, SY15, SCS16, TW17, TP16a, YY17].

Limits [MW15].

[AD15, MS18b, MSP15, Yan16b, ALKZ16, AS15, AT16, ALMJ15, ADOP18, BP18, Cac15a, Cac15b, CHT17, CW17, CCGH17, DJLQ18, DJD+17, FKKD17, GN16, GDA16, HYK+16, HN17a, HSF17, KZ15, LS15a, LL16a, LLS15, LC17a, LW18, ILNS17, LYA16, LLLN18, PK17, Pis16, RPK17b, RW17, RSH+17, Sch16a, Sch16b, SMS18, TD18, TW18, VDPP15, W16, WSH+17, YHKPF17, ZK15, ZCL17, ZR17, dSDPH15, vOMB17].

Linear-scaling [LL16a].

Linearised [ST18a].

Linearization [Vos17].

Linearized [CT15, GS15b, JL16, LGH+18, SP15a, WZ17]. Linearly [YH17, BNM15].

Lined [RMLvR18].

Lines [CG16, HKS+16, LD15, MG15a, PR16b, SW17a, SW17b, SSA17].

Link [Ols15].

Linking [Pan15].

Liouville [KADE15, VSM17].

Lipid [RAMB15, SDMS17].

Liquid [BG16b, BMT18, BLG+16, BLC+17, CTJ+17, CGS15, CLM15, DD15, FMRZ17, HW15c, HW16c, KLWQ17, LV+15, LSY15, MTZ16, NW18, ÖPHA15, OCSC18, SDMS17, TK12, TK15b, VAL16, ZYS16].

Liquid-gas-particle [CLM15].

Liquid-liquid [CTJ+17].

Liquid-vapor [BG16b, DD15, FMRZ17].

List [Mac16, DFS16].

Lloyd [YGJ18].

Lloyd-preconditioned [YGJ18].

Load [GFA+16, JBS15, JK18]. load-balancing [GFA+16]. loading [LS16].

loads [LC17a]. Lobatto [Kas15, MRRF18, T15].

Local [DLL+17, HSC16, KLRT15, MSK18, TL15, ADK+17, BHF+17, BDZ15, CBZ18, CPV16, CEL+18b, DKTH15, FB15, GSK18, GX15, GY15, KL15, LW15b, DV17, MG16a, MK17, MGCW18, OSP17, RPS17, SSL+16a, ST18b, TXKvD17, TXKvD18, VAD17, WZ18b, YS18, YT15, ZLH+17, ZZW+16, dHC16].

Local-global [TL15].

Localized [CK16b].

Locality [MK17, NSB15].

Localization [BFP18].

Localized [DLY17, LL16a, AH15, CLR15, WL17]. Locally [BFGH18, BH15, CC17a, DGMT17, FGL18, J15, KHP17, R15, S16, TAB17, Z18].

Locally-cartesian [FGL18].

Locally-heated [KHP17]. located [Kal15].

Location [CCW18, PKLS17].

Loeve [LC18, CN16]. LOI [SN18, SNK18].

Long [FRW16, BPGS16, CLM17, GZ16, GBS15, JTD16, LXL16, LIW18, OB17, XL17].

Long-range [LXL17].

Long-term [FRW16, GZ16].

Long-time [LIW18, OB17]. longitude [SFT16]. loop [PCX17, PXXZ15].

Loosely [Buk16]. loosely-coupled [Buk16].

Lorentz [GHJ15]. loss [GKRB17].

Low [BKG15, CB15, GDF17, KQB18, STG17, AAI16, AMJ17, AAD16, BDK17, BH16b, BLMY17, Bon17, CL18, CPV16, CS16a, CV18, CD17, DWR18, DCP15, DLM18, Dom18, Eva18, FDK17, Fal16, FG18, FYO+15, HKLZ18, HK18a, HLS15, HWA15, JLC18, KLC18, KS16b, KP15c, KYW+16, KYW+18, KV16, LTB16a, Lau17, LSWF16, LT17a, LO16, MM16a, MVZ16, MB15, MA16, MDAB18, NMC15, OLHD17, RC18, SP15a, SK18, ZHA17a, ZWG17, ZWB+18]. Low-
[STG17, CS16a]. low-density [LTB16a]. low-dimensional [BH16b].
low-dispersion [HK18a, JLC18, NMC15]. low-dissipation
[HK18a, HWA15, JLC18, KV16, NMC15, ZHA17a]. low-energy [HLS15],
low-fidelity [AAI16, LSWF16]. low-Mach
[CPV16, Dom18, MDAB18, SP15a]. low-Mach-number [MA16].
low-memory [MVZ16]. low-order [AMJ17, CCK17, OLHD17]. low-rank
[AAD16, BDKK17, CL18, FDKI17, FG18, HKLZ18, KS16b, Lau17, LO16].
Low-resolution [KQB18]. Low-Shapiro [GDFL17]. Low-storage [CB15].
lower [AEL15a, AEL15b, HLQ16]. lower-dimensional [AEL15a, AEL15b].
Luenberger [CCM15]. lumped [BK16b, SM16]. lunar [HWH16]. lung [MCHL16]. LUPOD [RTV17]. Lyapunov [BVM17a, FW17, MSB16].

M [EH15, XS15]. MAC [ZZKF15]. MacCormack [ZB15]. Mach
[BLMY17, Bon17, BKG15, CPV16, DLMV18, Dom18, FP18, LT17a,
MM16a, MDP15, MBD15, MA16, MDAB18, SP15a, SK18, TD17,
WDGW17, XDSX17]. Mach-number [Bon17]. Machado [Kat16]. Machine
[LJT16, RPKI17b, RK18, CE18, PD16a]. macromolecular [AAB16, LJJ15].
macromolecules [XL17b, ZRT18]. Macroscopic
[Hwa16, KK17a, STR15, VS17, ZLC18]. magnetic [BBKS16, BJK17,
CLMZ17, DWG18, ESGS17, EBQ15, Guo15, GFW16, LBZ16, PMS15,
RBGV15, RSD17, DD17c, TBC16, TPTT18, Web14, XL16, ZJS15].
magnetized [CKK18b, Iwa15, KKS15, KS18a, LLD15, dSPDH15].
magnetohydrodynamic [Bal15, BMT16, CFST16, HdBH16, HHA16,
JH15, MJ16, MAH16, SR18, XL16, YWS16]. magnetohydrodynamics
[Ama18, BK16a, BND16, DWG18, DLK17, ET1L17, HL16a, Iwa15, KW15b,
KTC16, Moc17, SS015, Sov16, SE15, SS17c, TBP16, ZTT17].
magnetouasitastic [NGS16]. magnetospheric [MLM16]. magnets
[FBC16]. Maintaining [BJ15, NF17]. MAN [ZR17]. management
[MC16]. Manifold
[XTS16, BTD16, BM16, GS18, GA18, KP15b, LBTC16, SG16, ZWB18].
manifold-based [BM16]. manifolds
[KR17, LTR16, LYPP17, MMN16, SG17]. manipulated [BLL16]. Manning
[MBDF17]. manufactured [VBG16]. manufacturing [ADE17, Zoh17].
many [BH18, LSP18, LLVF15, SD15, TRM16, VYP15]. many-body
[LS18, SD15, TRM16]. many-dimensional [BH18]. many-electron
[LLVF15]. map [KR17]. mapped [MDHC15]. mapping
[BCST17, CLFL17, iLS15, MC17, SPRW15]. mappings [Pas16]. Marangoni
[Str17]. marching [FL15, NLL15, PLHA18, TH16, YS17]. markers
[AB16a, FL18, ISST18]. Markov [MWD16, XZZ15]. Mass
[KG15, LHL15, SNB15, WWR16, BHKS16, CMDL18, FGL16, FGLW18,
FB15, GLTB18, HSK15, HLL16, HG17, HDA18, LY15a, LSYF15,
mass-conservative [FGLW18, HSK+15, Zad11].

mass-conserved [WSS+15].

mass-conserving [FGL16].

Mass-corrections [WWR16].

mass-lumped [SM16].

mass-preserving [GLTB18].

mass-redistributed [HLL+16].

Massively [TPTT18, vdKK16, DG16b, NN15b, PJE+16, YS17].

master [GMS16, IZ18, MFB18].

Matched [DZR18, DCCC16, BJK17, CMH15, DKK15, GTL18, PD16b, EE16, For16, GFvR18, LL16a, LWLC17, LM15d, NMA15, Noe15, SWZ17, Teu15, VYP15, WDGW17, WLK+16, XLY15, XL17b, ZLL17a].

matrix-exponential [SWZ17].

matrix-free [XLY15].

matrix-valued [LM15d].

matter [WTS+17].

maximum [BC16b, SWPS17, ADK+17, CHY16, CLTX15, GP16b, LSS16, MN16c, WYZZ18].

maximum-principle-preserving [CLTX15].

Maximum-principle-satisfying [SWPS17, CHY16].

Maxwell [QHZ+15, ABH18, BV15, BC16b, BCJL17, CW16, CCZC16, CHZ16, CQL+17, Chu17, CEF15, DDD17, Del15, DGL+15, ETAG15, Fall16, GSN16, HKLZ18, HJJC17, HHY15, Ism15, MM16b, PT17a, SP18, SZ15a, SL16b, SC18b, SL16c, WR16, YJ17].

MBAR [XR17].

MBAR-enhanced [XR17].

MBO [JME18].

MC-IP [XWZ+18].

MCMC [AAP17, BGL+17, CLM16, HYL17].

MD [WPB15].

MD-DSMC [WPB15].

MD [Ger17].

mean [BDPM18, CRMP16, LC17a, SAOW17].

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, DFRZ16, DFRZ17, FRL15, FFJ16, Jac17a, KGP+17, MSY+15, NRZS17, Sel15, YT17].

mechanics-based [KGP+17].

mechanisms [WTS+17].

mechan [FRW16].

mechano-chemical [FRW16].

media [ABI17, AEV18, An17, AKP16, BTGM17, BGTM18, BDMC15, BPS17, BC18c, BCJL17, BSWG15, BHMS18, BKKRB16, CHCC18, CLQ17, CEL+18b, CS17b, CM18d, CLNH15, CtvKH16, CtvKH18, DSS18, FQZN18, FPT17, FYYC+18, GFG+15, GH17a, Gib18, GAS+18, HSK+15, HN17b, KJ17a, KLRT15, LW18, LP16a, LH15, LT15, LZT17, LN15, MCN18, MP15a, MVZ16, MTD15, ML16, OL16, PF16, SSL17, SPX+18, SWML17, SM+16, SC18b, Si16, TWH15, TAH16, VSDW18, VS17, Vos17, WC18, XML17, Y17, YGEM17, YSY17, YB17, Zad11, ZZ17b, ZWUR16, dMRHJ17].

Medium [MSG18a, MSG18b, BNM15, BKL17, CGMH18, DvB17].
GCVCHH18, HM17, Iwa15, LTKA15, LH17b, LRGO18, MSS16, NH17, ZF18].

MEEVC [PG17]. melt [RTO15]. melts [SB18]. membrane
[CGYZ15, GGT18, MTK15, TFGK18, XR17, YMI17b]. membranes
[LA16, MTK17, RG15, RAMB15, SMA+16, SMOM+17]. Memory
[SZ17, AMK17, DOO17, FYO+15, MBSS15, MVZ16, TP17, WLC15].
memory-efficient [DOO17]. Memory-optimized [SZ17]. Mercer
[AABD15]. merging [KK17b]. Mesh
[BV15, LS15c, PSB+18, PW18a, SL18, SW18a, Sla16, WBBC16, APP+16,
AB16a, AMS17, ALO18, BH216, BOA17, BHS+18, BSM16, BD16, CGL18,
CTJ+17, CWW17, CHJT17, DRP+16, DwW15b, DMS17, Fid17, FBG15,
FPG16, GB16Z16, GSN17, HS17b, HS18a, HIN+16, HLL+16,
HDA+18, HK15b, HW16c, IW15c, KF15, KAR17, KLRT15, KJ18,
KS17, LSLA16, LSI16b, LN15M, Loz17, MLM18, MCW16, MW17b, MB18,
MSB+16, NH17, NSB15, OKWE17, OD15, RBJS15, SRB17, Say17a,
Say17b, SKS15, SW15, SFP16, Sub15, SJX17, SSI15, TVB+16, WQZ15,
WDS15, WKOE17, Wli18, WCT18, WHZ18, XL17a, YH15, YGG18, ZL15b,
ZL17b, ZJ18, ZHLZ18, ZLL15c, 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, Bar18, BT16, BDZ15, BD17, BDL18, BD18,
BR15, CGK17, CWM+16, CHY16, CSN17, CLTX15, CCM17, DSH+16,
DC18a, DwW15b, DL16, DMBT15, EDvW17, FLHA17, GKA18, Her16, HR17,
Ism15, IM15, JBO15, KKLS17, KDP15, LLD+16, LSLA16, LMG15,
LLP+16, LYC16, LL16b, LII18, LJ16, LS18, LTO16, LMI18, MSD+17,
MMvR18, MHS16, MWB+15b, MW17b, MM17, PX16, PM16, PR17a, PL16b,
DDM18, QDH15, RBU18, Rag15, RG1616, SAEF17, SL17, SWM17a,
SWMD17b, SWL15, SYM17, SXX16, SDW18, TLQ15, TD16a, TD17, TD18,
TC15b, TLR16, TLB+18, Tso18, VST16, WWR16, WHY17, WHY18,
WKG17, XP15, ZZ17, ZLFW18, ZW18, ZQ17, ZSDL17]. meshfree
[ASI17, SMD15, ZZ+16, FPT17]. meshing [MM15]. Meshless
[KI15, BDB18, CLR15, DA17, TSH17, TMH16, TMH18, XYPT16,
YHKP17, YTW15, ZMCC18]. mesoscale [CFPB17, DOO17, SGC+17].
mesoscopic [FHE15, LYL17, ZLC+18]. meta [KS16b]. meta-models
[KS16b]. metafilms [DKTH15]. metal [CLFL17, ZYW18, ZWW18].
metal-friendly [ZWW18]. metal-ferromagnetic [ZWY18]. metallic
[SSL16a, VCNOP18]. metals [SSL18]. Metamodel [RC18].
metamodelling [DIJ15]. Method
BrTBI18, BBB+16, BNK18, BC16a, BZ15, BC16b, BMT18, BBKS18, BS15b, BS18, BAR15, BGG16, BFT17, BTA17, BKKJ17, BHTT17, BLC+17, BPM18, BHF15, BTWY15, BC16d, BFTVC18, CQQ16, Cai16, CZW17, CGQ18, CDM+16, CCHL15, CL18, Cap18, CFO18, CHT17, CDM18, CGMH18, CTJ+17, CW17, CJ+17, CXH15, CCZ16, CXL16, CXX16, CZ16]. method [CX16, CH17, CZ17, CL17, CWW17, Che18, CYL+16, CYYL18, CZ18, COV18, CSG17, CDN17, CLR15, CMDL18, Cho15, CLL17, CFST16, CNN+16, CLQ17, CELZ17, CEL18a, CGV18, CFF18, CPS17, CSK+16, CCL16, CSH15, CLM15, CV16b, CM18d, CM16b, CLP16b, CLMZ17, CYWL17, CLNH15, CvKH16, CFvKH18, DM17a, DD17a, DML15, DC18a, DKPC15, Del15, DV18, DGMT17, DG16b, DZ16, DS16, Dst17, DLR15, DLR18, DF16, DH18a, DMS17, Do17, DPO+16, DWW15, DLL+17, DL16, DvWZ18, EDC16, ESHA16, EL17, EKSS15, EKEB16, ELH+16, FR18, FGL16, FBL17, Fa16, FS16, FHS17, FMRZ17, FG16, FCL17, FBF15, FNP17, FGLB16, FBM16, FB15, FLV18, FLHA17, FHA17a, FSM16, FP18, GS16, GB15b, GP17, GH15, Gam15, GZ16, GH17a]. method [GFC18, GP16a, GLTB18, GPS17a, GPS17b, GSL18, GHP15, GWC17, GG15, GBC+18, GB17, GNB18, GN16, GWCC17, GCVCH18, GEZ16, GZ18, GWSY18, GTG15, GY15, GF16, GH+16, GY18, GP16c, GL17, HPY18, HL16a, HHA15, HW+16, HXML15, HS17a, HHR15, HB16, HZL+15, HLL+16, HG17, HGW18, HKJ17, HW16a, HP17, HM16a, HR17, HHCG15, HMB18, HL16b, HGN17a, HGN17b, HJZC17, HN17a, HN17b, HN18, HMFJ18, HSC16, HCVH18, HF18, HHL17, HZ17, HLU15, HLY15, HJ16, HLSY16, HXX18, HC17, HY15, HHY15, HZ15, HSSZ16, HNY16, HW16c, HLL+18, HMRG16, Hwa16, Hi15, i17, IK15, IML15, IM17a, IOI+17, JL17a, JKE+17, JSS15, JP15, JW16, JLC15, JST17, JL18b, JLZL15, JL17c, JLKF17, JGS16, JTD16, JJ17, KKH18, KTN15, KKS16, KNS15, KCI17b, KLS15, KJ17a, KH15, KPI15a, KK16, KJ17c, KL17b]. method [KPJ18, KLC18, KDL15, KR17, KO17, KLN17, KCS+17, KP15c, KK17b, KLGO18, KS16d, KLGQ17, KM15, LTBI16a, LS15a, LMS17, LLD+16, LY15a, LM15b, LFHR17, LM15g, LML+16, LC15, LAL18, LM18, LPW15, LH15, LS15, LFD16, LBA16, LW17c, Li17, LLIJ18, LBTK18, LGH+18, LY18, LMBZ15, LXL17, LC17a, Lia16, LZW17, LLNS16, LNS17, LSD+17, LLMS16, LTBI16b, LC16, LC17b, LD15, LDW15, LZT+15, LY16c, LY16b, LWB+16, LK16a, LW17c, LTX17, LWY18, LWT18, LYP17, LH16, LQ16, LT17c, LZW+17, LHA15b, LSBF15, LP17a, LW17, LRO18, LG15, MM16, MD17, MD18, Mac16, MC18, MA15, MIAF17, MS18a, MS18b, MDVM16, MS16b, MMB18, MG17, MK15, MLD16, MA17, MO18a, MST15, MKS18, MMV18, MPFL16, MRZ16, MHGM+15, MBST17, MTK15, MTK17, MBD15, MCS16, Moh15, Mmo17, MF16b, MLL18, MTK+16, ML17, MDA18]. method [ML16, MWYZ16, MN16c, MH17, MM16d, MM18, NVBD15, NWKC16, NPR15, NLK+15, NN18, Nis18a, Nis18b, Noe15, NIS16, NLW+16, OT15, Ols15, OPHA15, OD15, PZNG15,
PKLC16, PKLC17, PHHR17, PdG^+17, PNZ18, PHHA18, PGCG18, PLC18, PL16a, PL18, PCF15, PSS17, PSB^+18, PK17, PJC16, PPLC16, Par18b, PWC18a, PKB15, PN18, PR16a, PR16b, PLL15b, PGGW18, PF16, PS15b, PR16c, PLR18, PTT18, PKBK17, PMB18, PG18, PZF16, PSP16, QWX18, RB18, RVZB15, RBJS15, RG15, RS16b, RWG18, RW15b, RMLvR18, RZ17, RKRGW17, RXS15, RX16, RAMB15, RTO15, RMC15, Ru18a, RPC^+18, RSB15, SY17, SPX^+18, SWC18, SXBB15, SWS17, SPD^+17, SPB17, SSL^+16a, SSVL18, SGMS16, SHA16, SWG17, SKF15, SKF16, SBG17, SHKL16, SAK18, SF18a, SM^+16, SRBB18, ST17, Sha17b, SPB18, SWMD17a]. method [SWMD17b, SMP16, SWZ15, SW16, SwS16, SL15, SW15, SZW^+16, SSM^+17, Shi17, SL16a, ST18b, SP16b, SLY16, SMA^+16, SCS16, SY17, SLVE18, SW18b, SGD18, SO17, SMD18b, SML15b, SA15, SSA17, S15b, SDW16, SZ17, SSM16, SM^+17, Shi17, SL16a, ST18c, SS16c, SMOM^+17, SHW18, SGT16, SGT17, SF16, SHP^+16, SCLG15, Sti17, SL16b, SC18b, SPCH16, SW17, Sub15, SLZ^+17, SG17b, SCS18, T215, TCB18, TH18, TW17, TMWF18, TD16a, TD17, TSH17, TAH16, TST^+15, TXKvdV15, TXKvdV16, TLLF15, TRL15, TOR^+15, TT16, Tow18, TO15, TMH18, TLB18, TK17, VBG16, VCNGP15, VCNOP18, VBF15, Vg17, VK16, Vr17, Vac15, WG16a, WY17, WW15, WZ15, WSS^+15, WDS15, WE15, WX15, WS16, WSR18, WRL16a, WRL16b, WRPL17, WLMW17, WW17, WCH^+17, WMY18, WLE17, WMY16, WSN^+15, WPB15, WS16]. method [WMS18, WHE17, WHEK18, WR16, WWGK17, WCCB16, WZRZ15, WH16b, WL16, WYA^+17a, WYA^+17b, WTX17, WA18, WH18, XG18, XLY15, Xa15, XZ15, XX16, XDSX17, XX17, XRX18, XY18, XY17, XP15, XHC15, XL17b, XWW17, XSL18, XM18, YYY^+16, YSC^+17, YC15, Yan16a, YCPD15, YHQ15, YS15, YXF^+16, YY16, YYN^+17, YF17, YS17, YZW17, YHDP17, YZT^+18, YGJ18, YM17b, YJB18, YXX^+16, YX15, YM15, YTW15, YB17, YZZ15, YCS^+17, YL17, ZP16, ZCHS15, ZS16, ZND16, ZFZL15, ZS15, ZLY15, ZL15a, ZB15, ZL15b, ZD15a, ZJ16, ZL16a, ZL16b, ZLL17a, ZZS^+17, ZZZ17, ZZZ17b, ZD17, ZHA17a, ZJ18, ZC18, ZMCC18, ZF18, ZLFW18, ZVO15, ZBZ17, ZY17, ZSX17, ZYCK15, ZGD^+16, ZZW^+16, ZCL17, ZRT18, ZL15c, ZLX17, ZHW18, ZK18, aKT16, dLDG^+18, dTP16, dH16, vdLJ16, BDV16, CG16, FPT17, GBS15, GAS^+18, LGT15]. Method [LVTR15, Mue18, RHS18, RMM^+18, TSFS17, TBLJ15, VALT16, dPSS16]. method-of-lines [SWMD17a, SWMD17b]. methodology [Cac15a, Cac15b, DLK17, FFKDL17, KYUO15, LSMS17, MNG15a, MJ16, MN18b, PBA^+15, RLV16, RDM15]. Methods [FFW17, JHJ17, AAG16, AW18, And16, ADH^+16, ALT17, AC16, AL18, AÁPB17, ALA16, BH16a, BMR^+16, BHD18, BDM17, BAVC17, BGGM15, BCJL17, BZ18, BK16b, BD18, BR15, CLW18, CC15, CD1L17, CGL18, CWM^+16, Cha18, CE18, CQ15, CHZ16, CHY16, CS17a, CWW17, CKQT15, CS18a, CCKQ15, CS18b, CRMP16, CVK16, CLX15, CEL15, CR18, CK16a, Cot18, CW18, CHLZ17, DD17b, DDD17, DPW^+15, DZ16, Die15, DB16a,
DM17b, DKK+18, DGL+15, DKC15, DZC16, DJD+17, EHX15, EFT15, EG18b, EAR15, FH17, FWK17, FWK18, FSWW17, FGLW18, FHE15, FPDT17, FRRV16, FL16, FS17b, GMP15, GO15, Ger17, GFO18, GO16, GFvR18, GLMC16, GA18, GH17b, GI17, GXX17, HGR16, HKLW15, Heu17, HF18, Hu17, HXB15, HB15a, HB15b, HS18b, HDF18, IC17, JZX18, JW15b, JL15, JX15, JZ16, JX17. methods [JL17b, JYY18, JL18c, JWH16, JXZ15, JBLO15, JFS17, JSY15, KTK15, KS16a, KDF15, KMS+18, KPKG15, KA15, KADE17, KE15, KK17a, Kla15, KRFV16, KG15, KS15b, LSM17, LBTCG16, LH17a, Lau17, LSL15, LPWK15, LE16, LW17a, LW18, LYT16, LW17b, LPR18, LX18, LYZ15, LY15b, LL16c, LG16, LP16b, LJ16, LSZ18, LMB18, LKSM17, LYT16, Lot18, LLLN18, LH15, LP17b, LS16, MM16a, MR16, MT18, MS16a, MK17, MCW16, MNG15b, MKV16, MAP17, MDHC15, MW16b, MW17a, MDMA+15, MJ17, MGGB16, MS16, MBK17I15, Moc17, MW17b, ML8, MSP15, NJ15, NPC15, NDCB17, NN15a, NGY+17, Noi15, OLDN17, OWKE16, OKWE17, PP18a, PR17a, PP18b, Pea15, PT18, PG18, DDM18, PR17b, PVB17, PSP16, QSY16, QDH15, RFPSSA18, RFGS15, RT16, RS18, RHVR+15, RWN18, SGX16, SCN+17, Say17a, Say17b, SL18]. methods [SWML17, SZ15a, SC18a, SW18a, SS15b, SLL16, SLL17, SY18a, Shu16, SDM+17, Sid18, SX15, SE16, SGT16, Sti16, SL16c, SZCL18, Suz18, TCS17, TK15a, TMT17, Teu16, TL15, Tsa15, Tsa16, UL16, VPV+17, Vee16, VN15, VW17, WCN15, WJD16, WTG16, WSN+18, WGE17, WBB15, YSY17, YLY18, YI18, ZK15, ZM16a, ZJL16, ZT17, ZH15, ZTT+16, ZXX17, dFVJ15, dJF17, dCGCA17, CEH16]. Metric [CGL18, SYV17, CCWY18, SYV14, VLAB18]. Metric-based [CGL18, VL18]. micro-devices [WP15]. micro-flow [HKH+16]. micro-layer [SN15]. micro-scale [SRBB18]. micro-swimmers [SCQ16]. microchannels [AZ17]. microdomain [AZ17]. microfluidic [LZ15]. microphysical [SNB+15]. microscale [BRK17]. Microscopic [VS17, FHE15]. microstructure [CPT16, LMM17]. microstructures [HS17a]. micro-swimmers [Str17]. microwave [BP16+16, HK16b, NOM+17, PKLS17]. midpoint [EMSS17, WH16a]. Mie [GH15]. migration [LZ15b, MMN16, Par15]. MILU [PKJ+18]. Mima [HK15a]. mimetic [GL17, KL17b, KD17b, LPG18, LMMS16, OvdHV16, PKF16, PG17, Pfl16, TC15b]. Minimal [BTD16, LKN17, MP15b, PCX17, WC18, ZD15a]. minimalism [OSK18]. minimax [HPV16]. Minimisation [Jou15]. minimization [BH16, CEL18a, GLZ16, GNZ18, JES15, LL16a, LT17c, PHD16, Tav15]. Minimizing [Iwa15, Sto16, ZM16b]. Minimum [CGM18, CM15, RB16, WY17, WA18]. miscibility [KS16c]. miscible
Mixed

Mixed-hybrid

Mixed-primal

Mixed-primal

Mixed-energy-consistent

Mixing

Mixture

Mixture-energy-consistent

Mixing

Mixture-energy-consistent

Mixing

Model

Model-based

Model-order

Modeled

Modeling

Mobile
WMY18, WB17, WC18, XML17, YG18, YYL16, YL16, YPK16, Zad11, ZCHS15, ZZDB15, ZW16, ZGL17, ZHLZ18, ZLC+18, ZZ18, Zoh17, dFGS+17. modelled [Mue18]. Modelling [LZ15b, RZ15, YXF+16, ABG+15, BC18a, BPGS16, BHMS18, BB15, DLIV17, FBC+16, KMS+18, Mel18, MM16c, SS16a, SWS+18, SZF15, TAJ+17, YS+17].

Models [CS18b, ABP+16, AAI16, AS16, ATF16, BT16, BKS18, BLVC17, BH16b, BFNGDNR18, BK16b, BKRB15, CT15, CDMy+16, CCS18, CGK17, CS16c, CKMT15, CCM15, CRM+16, DD17b, FOF15, FPT17, Gri15, GH17b, HAPK15, Hig15, HLQ16, KMD+18, KKP15, KL17a, KS16b, KBF17, LM15a, LK17, LPW15, LLL16, LTWZ18, LPBR15, MHHX16, MCN18, MXL16, MPP15, MRXI17, MTL+17, MB16, Niu16, OTS17, PKW17, PT17b, RK18, RS15b, RBL16, SY16, SGF+17, SFDE15, SSO+15, SGA+15, TYD16, TSB+18, VM15, VBG+17a, VD16, WJD16, WTL17, WX17, XTS+16, YNW17, ZA15a, dBIM16, dlCGCA17, DCP15]. modern [GFA+16]. modes [VMN+18, KP15c, Trel16, WYLX17]. Modification [BK17a, Lau17, Ols15]. modifications [WS16]. Modified [BDMC15, BTA17, MTJ17, SW17b, WZ18a, ADOP18, HS18b, KDL15, PKB15, PR16c, RFPSSA18, SwS16, Sva15, XJ16, ZLL16a, ZLL16b]. module [SD1+16, SKG17]. moist [ZA15a]. molecular [BBW16, BT17b, CGC17, CSM16, Dav10, Dav15, DZ18, DFS16, FPASS16, Gen15, JLF17, KBK15b, MD15, QS16, RS17, ST15, SMAG17, SAOW17, TPT17, WYLX17, WTS+17, YSWW16, YT17, YZW17, YZW+18, ZLH+17, ZD17, ZHWQ18]. molecule [Vai15]. molecules [ELH+16, LAA16, SZCL18]. mollified [FHS17]. Moment [ABM16, LGB17, RKo+17b, ZM16b, AS15, CSN18, DPW+15, GHH15, HLLQ16, LN17, LH18, Nor15, SB17, SGF17b, TC15a, TK15, TLQ16, WYA+17a, WYA+17b, XX16, XDSX17, JSS15, MKC17]. [ABM16, DPW+15, TC15a, TK15, TLQ16]. Moment-of-fluid [LGB17, JSS15]. Moments [DC18a, FL18, HKLZ18, STR15, SL16a, SGF17b, ZLL17, PMF+18]. Momentum [IBML16, ALTR17, Bra16a, DL15, DS15d, JST17, KDL15, LBZA16, LM16, MR17, MBD15, MFG15, OD17, RKh15, TCM15]. monatomic [WZRZ15]. Monge [DL17, WBB16]. Monodomain [CGG18, LZT+15, VLP+16]. monoenergetic [GMP16]. Monolithic [LROG18, BVMW16, BZ16b, CM16a, PKLC16, PKLC17, PLC18, PAL+16, ZS16]. monotonic [ZA15b]. monotonicity [DvW15b, MG15a]. monotonicity-preserving [DvW15b]. Monte [BC16b, CSS15, Gho17, LPU18, Mac16, MNO+17, AR16a, BP18, BTA17, Cha16, CL17, CSN18, CG15, CW18, CHE+17, Cos16, DPW+15, DG16c, EARA15, EN17, FDK17, GB15b, GMS16, Gen11, GDS+16, GAJ15, GBU15, Hig17, HC17, HMRG16, ION+17, KM17, KMS+18, KL16, KC17b, KES18, KK17b, KLGO18, LS15a, LTTC16, LYCC17, LB17, LXL17, LW18, MZTS16, MSS16, NHA18, PJe+16, PUA+15, PDS15, RFPSSA18, RKh15, SY17, SWe18, TSR15, WC+16, WL16, XZ15, XR17, YC15, Yas17, ZLJ16, Zil15, vdKK16].
multiple-resolution [OMYvdP+15]. multiple-scale [LY16a].
multiple-species [SGA+15]. Multiple-time-stepping [EARA15].
multiplicative [DDV+15, HJZC17]. multiplier [FG16]. multiply [HN17a].
multipole [AC17, HLL+18, JDFS16, LLEK17, TCD17, YS18, ZGD+16].
multipole-to-local [YS18]. Multiresolution [BT17b, YT17, BCO+15, BDMB15, HW16a]. multiring [GFL17].
Multiscale [AASRT17, AEV18, BLL16, BHTT17, CHT17, CCK+17, CJ17, GFG+15, GH17b, LE16, LYDB17, PD16b, SS16a, dMRHJ17, BJO18, BZ16a, BM16, LL17, BRK17, CE18, CEL15, CEH16, CELZ18, CEL18a, Cot16, CLNH15, DGW18, DD17b, DLR15, EZG16, ELH+16, GFC18, HF18, JTR16, JY15, KNP15, KZ17, KAR17, KEJ18, KK17a, LPBR15, MKD15, MGKG17, MTL+17, ML16, NGO16, RYG18, SMT+16, SS0+15, SDW16, TPT16, TWH15, TAH16, TRL15, TL15, XCC17, YB17, Zau16, ZS16, ZZDB15, GAS+18, TKB+15]. multiscaling [Lot18]. Multislope [LMG15].
multispecies [TCS16a, ZLJ16]. multispeed [LMPS15]. multistep [Ter18, VK16]. Multithreaded [RB18]. Multitrace [JHPAT17].
musculo-mechanical [KBG+15, KGP+17]. MUSIC [AJP15, PKLS17]. MUSIC-type [AJP15]. myocardium [VLP+16].

nanostructured [SU15]. nanostructures [HC17, VCNOP18]. nanowires [BDPM18]. Nash [TZ16]. natural [CB18a, MTJ18, PKLC16, PKLC17, SL17, WSI17].
Navier [HW15a, AD15, ALL18, AB17, BT16, BTB15, BH15, BC16c, CHOR17, CS16c, CYL+16, CYYL18, CDN17, CCKQ15, CLP16b, FWK17, FBW16, GTG15, HPY18, HG18, HTMP17, JPSX18, LM18, Ler16, LXC+15, LZB+17, LT17a, LHMB18, LM16, MS18b, ML18, MPFL16, MS18b, MR16b, MN18c, OvdHV16, PG17, PXL16, PX16, PCN15a, PCN15b, Pea15, PND16, PDRB17, PBBK15, PMB18, RDM15, SHL15, SNS16, SLB+16, SL16, SE16, Sti15, Sti15, Sva15, TD16a, TD17, TXKvdV15, TXKvdV16, UL16, WY17, WR15, WZ18a, XWW+16, YC17, YTW15, Zh17, ZLF18].

neighbour [Smi18]. nematic [KLWQ17, ZYSW16]. Nernst [LW17e]. nerve [MW16a]. Nested [PSMPG17, LKT17, SLY16]. net [CMDL18]. network [BBB+16, BLVC17, KJ17a, RH18, VLP+16].

networks [AMJ17, BPS16, BKBG15, CTP+16, Cot16, EEG+15, HU18, KEJ18, MWD16, MPT16, MB15, MMW15, Noc15, PVFM15, SSDN15, ZZZ18, FBI+16]. Neumann [JTD16, ABN15, Cha16, DGHP17, GBD17, MK15, PKJ+18, PS17, WSY16]. Neural [BFI+16, HU18, RH18].

neutral [Ama15, Ama18, DDD17, Fon16, GMP16, GBD+15, KKS15, KKS16, Luc15, TSFS17]. neutral-fractional [Luc15]. neutron [ACJ17, BABB16, BCG+15, CTK+16, HL16b, JPL15, LAA17, LBB+17, OWKE16, WKE017, ZCL17].


Nitsche [GY18, JGS16, ZSX17]. NLT [YXX+16]. NN [SW17b]. Nodal [QDH15, CM18c, EKEB16, FCL17, GWK16, LSTKM15, TVB+16, WWKG17, XJLQ15, ZS16]. node [JPL15, PG18, SGP17b, ZY17]. nodes [PR17a].

Noise [YR15, CHZ16, CVG18, CHLZ17, DWR18, HJZC17, KHI5, MGT18, ZL17a, ZPE+16, ZRE16]. Noise-induced [YR15]. noisy [CWL+16, RPK17a, SWX18, SF16, SS18].

Non [ALMJ15, CZBC+18, CEL+18b, HU18, PT17a, RS18, RRD16, vdBK17, AMH+18, AD15, ACCCD+17, ADQN17, ALKZ16, AS17, AB16a, AZ16, ABFR16, AB15, Bat17, BLVC16, BWR15, Bio17, CC17b, CKK18b, CFF18, CS15, Cy15, DRM15, DKTH15, Dom18, DB15, DB16b, FL18, FN17, GMLD18, GN16, GMA18, GL17, HYK+16, HF18, HPK16, HWA15, HY16, IM15, KKL17, KJYC17, KZ15, KBR17, LM18, LHI15, LB15, LXC16, LW17c, LJJ18, LJ16, LAA16, MG15a, MK17, MM15, MPP15, OKE17, PK17, PL16b, STR15, SSL+16a, SL17, Sel15, SS16b, SYM17, ST15, SPP16b, Spe15, SK18, TXKvV15, TSST16, TKF17, WR15, WRRS17, WMS18, W15, XXY+17, XML17, YS15, YY16, YHKPF17, ZFPB16, Z15a, ZLC+18, ZPW18, ZZZ+16, ZQ17, dH16, NW17].


non-equilibrium [BWR15, Cy15, DRM15, GMLD18, HF17, HPK16, MPP15, STR15, WMS18]. non-flat [KJYC17]. non-Fourier [ST15]. non-Gaussian [ZFPB16]. non-gradient [Bat17]. non-gradient [GMA18].

non-Hermitian [ZD15a]. non-homogeneous [HWH+16]. non-hydrostatic
non-ideal [PL16b]. Non-intrusive [HU18, vdBK17, Blo17, HFND18, XYF+17, NW17]. non-isothermal [BLVC16, XML17].


Non-normal [RS18]. non-oscillatory [CKK18b, DB18, HWA15, HY16, LJ16, SK18, ZPW18, ZQ17].

non-overlapping [AB15]. non-polynomial [LW17c, YY16]. non-reflecting [FN17]. non-relativistic [Sel15].

non-slip [LM18]. non-smooth [MM15]. non-stationary [ACCCD+17, TSST16, ZFPB16].

non-symmetric [GL17]. non-tensor [ABFR16, LB15].

non-uniform [AB16a, FL18, LYC16, PL16b, SS16b, SYM17, WR15]. non-uniformly [LAA16].


nonlinearly [YSY17]. Nonlocal [MGT18, ATZ16, BJTZ15, CP16, DWW15, DY17, DJLQ18, EMZ16, SMD18b, VCNOP18, WW17, XJ16, ZGJ16, ZK18].

nonsymmetric [EJM18], nonuniform [BJTZ15, JL17a, DV17]. norm [BD16, CM15, CGM18, DBZ17, Mat17, MAVdW18, MO18b]. norm-oriented [BD16]. normal [MI15, RS18]. normalized [HK16b, Rua18]. note [AM17b, HS17b, Teu15, YY16, ZW15].

Novel [Mue18, RC18, BTVB15, BND16, DC18b, DWGW16, DvWZ18, FFJT16, FLHA17, HY17, JLKF17, KD17a, KM15, LAEK18, DV17, MMvR18, PN17, TCL15, VST16, WS16, YTW15, ZL15c, ZRE16].

nuclear [AbdC+18, DDJ17, GDS+16, HBC+16, MTL+17, PBA+15]. nucleate [SN15]. nucleation [FSK+16, KES18, KK17b]. number [BBKS16, BLMY17, BFNGDNR18, Bon17, BKG15, DCP15, Eva18, GSN17, LLFX18, LWL18, MM16a, MDP+15, MBD15, MA16, MDAB18, NL18a, Pan15, RFGSV15, SP15a, SK18, WSY15, WC18, WDGW17, WGM17, ZV16].
number/compressible [MDAB18]. numbers
[FMPT18, JdR +18, KJ17b, TD17]. Numerical
[ APR +15, ALA16, BLVC16, BTT18, CRW16, CPSF17, CC17c, CCZ15,
CVK16, CV16a, DLI17, DGP17, DNOP15, DwV15a, EKSS15, HGR16,
HB16, HX16, KS16b, KYW +16, KYW +18, LW15a, LLVF +15, LMM17,
LAA16, LM15d, Mac15, MSG18a, MSG18b, MR16a, MC15, MFB18,
NKN +17, OTS17, OMYvdP +15, PM16, PSV18, RS15a, RF18, STKH15,
SFDA17, Str17, SS17c, SNC18, Tou18, WHL17, WL18, YSWW16, YZW17,
YY17, ZB15, ZZ17b, ZZPH18b, ZLL +17b, ZS17, dLDG +18, ABI17,
AAC16, ABG +18b, ASB +15, ADH +16, AM17b, BCB15, BS15a, BDabee15,
BR15a, BK16b, Bre18, BC16d, CM15, CW16, CWL +16, CYS17, CSG17,
CLGA17, CELI15, DM17a, DS15a, DLS15, DL18c, DBMB15, EH14, EH15, FNGV18, FW17, FB15, FFJT16, FPV18,
GB15a, GP16a, GO15, GLS15, GN16, GEZK16]. numerical
[GA18, GGT18, GFW16, HPY18, HW15a, HO15, HZL +15, HM16a, Heu17,
HN17b, Hu17, IM17a, Jac17a, JSV17, JL16, KTB15, KGT15, KP18,
KLHH17, KCS +17, KH +16, KV16, Lap16, LV +15, LE16, LRA17, LS15b,
LZ15a, LW17, LB16, LFT +16, LS15b, MOAA15, MS15c, MW16a,
MST15, MDMA18, MH +15, MN16b, MK15, MK17, MA16, MW15,
MC17, MMM15, MMM17, NPR15, NLFM16, NN18, NT16, OC18, PP18a,
PC16, PS14, PS15a, GPGW18, PT17a, PWC18b, PZ16, RW15a, RML15,
RL16, RMF +18, RZ15, SZY16, SLP +16, SSL +16a, SWML17, SVG18,
SAA18, SBB18, SMD18a, SYY15, SLL16, SYM15, SPP16b, Sov16, SD16,
SPW15, SK15b, Suz18, Swa15, TM15a, TLC15, UWH17, Vai15, VPM15,
VST16, VLP +16, WM18, WBCC16, WCL15, WTL17, XYPT16, XL +17,
XS15, XML17, XY18, Yan16b]. numerical [YF17, YF18, YM17b,
YXX +16, ZCS15, ZP15, ZHS18, ZYW18, BFFB17]. Numerically
[LDH15, VB15, LZ16]. Numerics [KHP15, LLS15]. Nunziato
[CHS17, DC16a, FRV16, LDGH16, TT16]. NURBS [MH18a, SNSG16].
NURBS-based [SNSG16]. NURBS-enhanced [MH18a]. Nyström
[APKP16, CCZ16].

obeying [HK15a]. Object [WW16]. Object-oriented [WW16]. objective
[FC16]. objects [GWP +15, LB16, SUR18, SF18a]. observer [CCM15].
obstacle [LI15a]. obstacles [BNM15, BFF18, DM16, HGW18, ZZ17a].
Ocean [SS15a, CGSS18, Hig15, Kor17, NWKC16, PP18a, SP16a].
oceanographic [FLDS +15]. oceans [MDW18]. Octree
[MC16, HS18a, JL18a]. octree-based [LI18a]. Octrees [GTG15]. ODE
[CCG16, CB15]. ODEs [BK16b, CNW17, OZ17, TSC17]. ODEs/PDEs
[OZ17]. Off [HHK15, HRJ +16, RS15a, ZWG17]. Off-centered [HHK15].
off-lattice [RS15a, ZWG17]. offline [ABI17, SFDE15]. offline-online
[ABI17, SFDE15]. offshore [CGSS18]. oil [ASB +15, WLC15]. on-the-fly
[EGZ16]. One [Hue15, PKK18, Ram17, SL16b, TC15c, AR16a, APR +15,
AS15, An17, BDB +17, CHJT17, DZ16, Hiv18, LSTK15, LW17e, MN18a,
MB15, MLB16, TZSS17, Ter18, VSM16a, WRL16a]. **One-dimensional** [Hue15, Ram17, AR16a, APR+15, CHJT17, DZ16, Hiv18, LW17e, MN18a, MB15, MLB16, TZSS17, VSM16a, WRL16a]. **one-shot** [BDB+17]. **One-step** [PKK18]. **online** [ABI17, CEL15, CEL18a, SFDE15]. **onset** [SGN16]. **opacities** [Gen11, Gho17]. **Open** [HKH+16, BLS16, Don15a, DS15c, GTL18, JSY15, LXC+15, MBM+15, YD18]. **OpenFOAM** [BGV17]. **opening** [OZ17]. **operation** [FBC+16, HSF17]. **operator** [MM16a, Vos17, BNK18, BTVB15, CT15, CGQ18, CGS18, CKQT15, CLX15, DDV+15, GP16c, HYK+16, HS17a, Kas15, KV16, LSL15, LW17d, LYPP17, LXL+17, MLM18, SZY16, SZ17, SLN15, TCS17, WDGW17, YS18]. **Operator** [MM16a, Vos17, BNK18, BTVB15, CT15, CGQ18, CGS18, CKQT15, CLX15, DDV+15, GP16c, HYK+16, HS17a, Kas15, KV16, LSL15, LW17d, LYPP17, LXL+17, MLM18, SZY16, SZ17, SLN15, TCS17, WDGW17, YS18]. **Operator-based** [Vos17]. **operator-splitting** [KV16]. **operators** [DBZ17, DWGW17, DY17, LN15, LKN17, MN04, MN17, Mat17, MAVdW18, MO18b, OKE17, Pei16, ROS16, ROS17, Ran18, SPB18, SKO18, SMD18b, Sub18, Vab15]. **optical** [BCJL17, KLWQ17, Pis18]. **optically** [BLL16]. **optics** [BM15, WT16, XB18]. **Optimal** [FYZ+15, FMPT18, KDF15, LHMB16, OKE17, RG15, V15, YYL16, AM18, BIR18, BMRA+15, DBD+17, BRW15, ETAG15, FPASS16, GS15c, Lot18, MM17, SX16, SPM16, SZS15, Tav16, WSJY16, WBBC16, ZILZ15]. **optimally** [DJD+17]. **optimisation** [BCO+15, HKJ17, MH18b, MKV+17]. **Optimised** [RSH+17, LH17a]. **Optimization** [BZ18, DRP+16, GH15, RBD17, SGL18, ADE+17, BABD16, BKS18, BMPS18, BDB+17, CGC17, CWWZ17, DBD+17, DK18a, DK18b, EFHZ17, Fid17, FBC+16, FC16, GJ18, GMA18, GGW17, KKK15, KPKG15, LLY15, Loz17, LBB+17, MHJ15, MMMS15, NLS16, PPCK17, RPC+18, STHW17, TZ16, TMH16, TD16b, Wall16, WHZ18, YYY+16, ZP16, ZHW18]. **Optimization-based** [DRP+16]. **Optimized** [Bra16c, JLC18, DZR18, JLC15, KGS17, KAGR18, LTX17, MAVdW18, SZ17, YWH15]. **Optimizing** [TLR16, CFO18]. **orbit** [SPCH16]. **Orbital** [LT17e, Fon16, HPV16, PDDG+17, GS16]. **Orbital-free** [GS16]. **orbital-updating** [PDDG+17]. **orbits** [DLY17]. **Order** [BD18, DS16, SY17, TRM16, AHNF15, AD15, APP+16, AD17, AMJ17, AMP16, ABFR16, ATF16, APK16, And16, ADK+17, ABH18, ABR16, ABG18c, ALMJ15, Ata15, BT16, BD15a, BGS16, BAGK16, BTG17, BGTM18, BMN15, Bat17, BIR18, BM16, BR15a, BH18, BHE+17, BZ18, BND16, BFT17, BST15, BK16b, BDZ15, BDL18, BSM16, Bre18, BPF+16, BTT18, BC16c, BCG+15, BFTV18, Cac15a, Cac15b, CGQ18, CBS18, CC15, CGMH18, CCK+17, CKK18b, CLY+15, CLC16, CTG16, CIL16, CHY16, CWL+16, CS17a, CZ17, CKT17, CHJT17, CZL18, CLX15, CFS16, CC16c, CR18, CG16, CCM17, CLP16b, CJW18, CCG17, D15b, DPO16, DBZ17, DNB15, DC18b, DWGW16, DL17, Die15, DLMD18, DLT18, DM17b, Dom18, Don15b, DHD+18, DCD+18, DVP+16, DLI+17, DL18b, DL18c, DPRZ16, DPRZ17, DKK15, EMSS17, Fal15]. **order**
[FS17a, FAZ16, FWK17, FYZ+15, FBM16, FP16, FRRV16, FFA16, FHA18, GP17, hGwSz15, GZY16, GH17a, GFC18, GPS17a, GPS17b, GGL17, GBCF15, GBCF16, GGT15, GEZK16, Gro18, GY15, GLW18, GL17, HW15a, pHzSrC15, HB16, HSLQ16, HTZG17, HBR15, HW16a, HU18, Hv18, HN17a, HN17b, HN18, HF18, HLQ16, HHY16, HW16b, HC18a, HC18b, Ism15, IDSG15, JLQX15, JPSX18, JZSX18, JYY18, JH17, JFS17, JTD16, JCC17, KMD18, KC17a, KW15a, KR15, KRV16, KYW+16, KYW+18, KFWK17, LMS17, LBTCG16, LK17, LN17, LSL15, LAL18, LPW15, Ler15, LX16, LHMB16, LMC16, LW17c, Li17, LC17a, LW17y, LGB16, LZ17b, LS16c, Liu16, LW17d, LTXB17, LS18, LTW18, LIW18, LSKM17, LAK+16, LLLN18, LP17b, LSI16, MM16, MZAF17, MLM18, MN17, MNG15b, MR16a, MA17, MN15, MN16a, MN16, MDHC15, MK17]. order

[MX16b, MP17, MDM+15, MP15b, MH18b, MRX17, MA16, MMP17, MB15, MM16d, MM18, NM15, NMC15, NJ15, NN15a, NL17, OLDN17, O'S15b, OSK15, OLH16, OWKE16, OV17, PXL16, PX16, PX17, PE16a, PHRA16, PP18, PE16b, PMA18, PBC+17, QWX18, RX15, RX16, RB16, RA17, Roy15, Rua18, RWN18, Say17a, Say17b, SS18, SL18, SC18a, Sha17a, SM16, SL17, Shu18, SG17, SYV14, SY18b, SF15, SLN15, Spe15, SPZ18, SSN15, SGT16, SGT17, SIA16, SC18b, SK18, Sub18, TLQ15, Tao16, TQS16, TH15, TD18, TSH17, TK12, TK15b, Ter18, Tiel16, TM16, TMH18, TD16b, TKP16, Tso18, URL16, V15, VW17, VSM16a, VSM16b, VAD17, VSC18, VL+18, VK16, WW15, WL15, WX15, WRL16a, WRL16b, WR16, WLR17, WLD18, WKPS18, WS18]. order

[WK0E17, WR16, WSR15, WL17, WT15, Wu16, WTX17, XY15, XY18, XJLQ15, XQ17, YC17, YCD16, Yau16b, YFJ17, YH17, YIA15, ZP16, ZK15, ZL15b, ZC15, ZZZ17, Zha17c, ZLFW18, ZsSK15, ZY17, ZXL17, ZYW18, ZQ16b, ZS17, ZQ17, ZWUR16, dLDG+18, dPS16]. order/low

[CKC+17]. ordering

[XL17b]. orders

[PPCK17, VSM16a, VSM16b]. ordinary

[CGS18, HBR15, MTK+16]. ordinary

[HH15, JKE+17, OWKE16, OKWE17]. ordinals

[DM15, LFRH17, MR16, M18]. organic

[vdKK16]. orientation

[HDF18]. orientation-independent

[HDF18]. oriented

[AMK17, BD16, TVB+16, VLAB18, WW16]. Orthogonal

[MN18c, SNK18, AH15, BCSK17, BCB18, DA17, FBF15, NLW+16, TSST16]. orthogonal/dynamically

[BCK17]. Ortuigera

[Kat16]. oscillating

[KZ15, RX16]. oscillation

[APV+18, PSS17]. oscillation-free

[APV+18]. oscillations

[Bra16c, HZL15, MSG18a, SPP+16a]. oscillators

[SF16]. oscillatory

[CDC17, CKK18b, DB18, HWA15, HY16, KC17, LS15a, LJ16, MW16b, SK18, SS18, ZP18, ZQ17]. OSIRIS

[DTA+15]. osmotic

[YM17b]. other

[CV15, JFS17, WS15b]. outflow

[KHHN16, ST18a, YD18]. outflow/open

[YD18]. outlook

[MS15]. Output

[Fid17, NP16, ZKS+15]. Output-based

[Fid17]. outputs

[VC15, NP16]. over-penalized

[ZS15b]. Over-Relaxation

[AC16]. Overcoming

[NM17]. Overestimated

[NF17]. overhang

[ADE+17]. overlap

[SFP16]. overlapped

[SHA17]. overlapping
oversampling [SDW16]. overset
overset-curvilinear [AB17]. overset/Yin [ZA15b]. oxidation [GMS16].

PAC [ZR17]. PAC-MAN [ZR17]. packing [DFM17]. packings
Pan [KT15, Zau16]. Padé [KM16b, SKO17]. Padé-type [SKO17]. Pages
Parallel [BVMW16, JBBL15, KJ17b, LZ18, LH15, MMSS15, MGBG16, NVBDV15, RPL+18, SRBÖ17, WDS15, XML17, AG18, BLS15, CWJ18, DFGQ16, DG16b, Kas15, KJ18, LML+16, LWL18, MGB+18, NN15b, PdB+17, PF+16, PP17, PBA+15, RS16a, RKO+17b, SC16, SMOM+17, SS18, TPTT18, WLC15, WS15a, XZ15, YL17, YG17, ZYCK15, vDK16, vLJLV16]. parallelism [SL16]. parallelization [JL18a]. Parallelized [KBK15a, GKRB17, OVP15, XZ+18]. parameter [BK16b, CMH15, CMW16, FMPT18, HXB15, ISP+15, LYLK17, LVL18, MG15b, MNG15b, SD17, ST15]. parameter-free [CMH15, MG15b, MNG15b]. parameterization [RG15, VD16]. parameters [AABD15, CPT16, Don15b, GB15a, LBB+17, NHM17, PKLS17, SC18a]. Parametric [Gri15, Shi17, ATF16, BJWZ17, BH16b, BHS+18, CS16b, HDFN18, TMWF18, TT17a]. parametric/stochastic [HFND18]. Parametrization [GPS17a, GPS17b, BFT+16]. parametrized [CLTX15, NMA15, VCNP18]. Parareal [WZ18b, Wu16, WZ17, XHC15, NBH18]. parasitic [MC17]. paraxial [KLW17, SwS16]. parity [MJ17, WKOE17]. parity-mixed [MJ17]. Part [BGT18, BN17, SLH18, SGD18, SHP+16, TC15a, TNC15, BD15b, BTGM17, BHS17a, BHS17b, CK16a, DLN15, FNGV18, GPS17a, GPS17b, LB15, MBJ16, MBN16, MS18a, MS18b, Say17a, Say17b, VSM16a, VSM16b]. partial [AD17, ADH+16, AEAM15, BZ15, BT15, CGS18, CZ16, DELL+17, FBL17, Fal16, GXX17, HO15, JX15, JX17, KNS15, KR17, KS16c, LL16c, MS16a, MTBT18, NBH18, Pes15, RK18, RMP18, SR16, Sub15, TST17, TO15, VCNPG15, VB17, XY18, YHKPF17, ZHWW18]. partially [MS15a, PD15]. Particle [AB15, COD118, CLM17, FRO17, Gam15, KRK+18, MDL16, PWC18a, TP16a, WZ18a, YDCK16, AMB17, AWS16, AF18, AP16, Ama18, BHD18, BLK15, BBKS18, BKK17, BLC+17, Bra16a, Cac15b, Cap18, CGS15, CCL16, CLM15, Cos16, Cot18, CMR+16, DD15, DTA+15, DPK17, DFC15, Ev18, GB15a, GMP16, GFA+16, GG15, GBD+15, GAJ15, HWH+16, Har18, HSLQ15, HSLQ16, HM17, HM16b, ID17, Iwa15, JLC15, JST17, KGS17, KES18, KF17,
KK16, LKB15, Lap17, LN17, LPWK15, LS15b, LS16a, LLY15, LBTK18, LS16c, LSR16, LY17, MLM18, MRP+15, MCW16, MC16, MPR+18, MHZ+15, MS17, MFG15, NOM+17, NT15, PLL+15a, PKP+17, PR16c, PMF15, PWPK15, PSV18, RBJS15, SWC16, Sei15, SGC+18, SP16b, SMAG17, SE15, Sto17, SPCH16, SGP17b, TYD16, dCPDC+17, TOR+15, TSFS17, TBP16, TL17].

**particle**

[WSN+15, WCCB16, YXD+16, ZB15, ZHA17b, ZZPH18b, ZKZ15, ZPE+16, ZRE16, AG18, DDD17, FHA17a, MNO+17, MSp+17, WSN+15, WCCB16, YXD+16, ZB15, ZHA17b, ZZPH18b, ZKZ15, ZPE+16, ZRE16, AG18, DDD17, FHA17a, MNO+17, MSp+17, WSN+15, WCCB16, YXD+16, ZB15, ZHA17b, ZZPH18b, ZKZ15, ZPE+16, ZRE16, AG18, DDD17, FHA17a, MNO+17, MSp+17, WSN+15, WCCB16, YXD+16, ZB15, ZHA17b, ZZPH18b, ZKZ15, ZPE+16, ZRE16, AG18, DDD17, FHA17a, MNO+17, MSp+17].

**particle-based** [ZPE+16].  
**Particle-in-Cell** [CLMZ17, BLC+17, Bra16a, GFA+16, HWH+16, MHZ+15, PMF15, SPCH16, dCPDC+17, WCCB16, YXD+16, DDD17, MNO+17, MSp+17, AG18].

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

**particle-laden** [ZPE+16].

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

**particle-particle** [LY17].

**particle-resolved** [CMR+16].

**particle/finite** [PWP15].

**particles** [CLM15, DM17a, DSH+16, JdR+18, KK17b, LHW+17, NLFM16, RFGSV15, SKF15, SGC+17, Tao16, TP16b, TKF17, WSP17, YC15, Yan16a, aKT16].

**particles-fluid** [WSP17].

**particulate** [KLNH17, KSI17, LRZ17, MZ15, WSP17, Zoh17].

**partition** [BHKS16, BMS18].

**Partitioned** [CLW18, LPB17, WED15, BHST17a, BHST17b, BCM15b, DDV18, LLEK17, LHB+16, LLLJ18, MBHS17, Sla16].

**partitioning** [FLHA17, LG17, NSB15].

**parts** [CHD+18, DBZ17, FN17, GWK16, LMM18, MN04, MN17, NN17, NR17, NG17, NG18, PS15b, ROS16, RØS17, Rau18, RWN18, RN18, SPB18, LK17].

**Pascal** [LY16a].

**passage** [PTMF18].

**Passing** [CDX+18].

**passive** [HM17, LE16].

**patch** [BRK17, GFA+16].

**patch-based** [GFA+16].

**patching** [BVS18].

**Path** [HKKP16, KKZ15, CC17b, Cot16, Gen15, LO16, Opp17, SV17, Zil15].

**Path-space** [HKKP16].

**paths** [LB17].

**patient** [BFI+16, ISP+15, PVFN15].

**patient-specific** [BFI+16, ISP+15, PVFN15].

**pattern** [AEAM15, SPM16, ZYW16].

**patterned** [PKB15].

**patterns** [SFDE15].

**Pauli** [RMC15].

**PAW** [SWH+17].

**PC** [HD18, RVK+18].

**PC-SAFT** [RVK+18].

**PCA** [VD16].

**PCFE** [CC17a].

**PCM** [LFR17].

**PDE** [BSK15, CFG16, CNOS15, GBR15, SGT16, TD16b, VBG+17b, ZYK18].

**PDE-based** [BSK15, VBG+17b].

**PDE-constrained** [TD16b].

**PDE-domain** [ZYK18].

**PDE/ODE** [CFG16].

**PDEs** [KHP15, Kat16, AW16, BFBB17, LLI17, CM15, CNW17, CELZ18, CLP16a, DL17, HL15b, HHL17, LW15b, LTR17, MN18a, MJ17, NVBD15, OZ17, PR16c, PLR18, SNK18, Shu16, SGL17, TSC17, Wu16, ZILZ15].

**PDF** [MG18].

**Peaceman** [SwS16].

**peaked** [FYC+18].

**pebble** [LH17a].

**PEC** [HGR16].

**peeling** [WSS+17].

**peeling-balooning** [WSS+17].

**peer** [LH17a, SLH18].

**penalization** [EKSS15, GWG15, HCL15, MLL18, SHW17, TK15a].

**penalized** [SZ15b].

**penalty** [CM16a, Fer17, GSN16, OKE17, DM18, MRRRF18].


Phase [BG16b, HW15c, LJZ15, ZW16, ARF18, ACGR15, AASRT17, ABG+15, Ani16, AT18, B185, BCST17, BGN15, BAVC17, BGJ+15, BR17, BHMS18, BDPM18, BK15, BKKRL16, CDM18, CGK17, CJY15, CS16c, CKQT15, CYS17, CS17b, CG16, CM18d, DD16a, DD15, DG18, DGMT17, EHXM15, FGL16, FB17, FMRZ17, Fed17, FPT17, GGL+17, GHL+16, GGT18, HAA15, HMM17, HBR15, HSB16, HTMP17, HW16c, HTBG15, JTR16, JS16, JS17, JJ18a, JJ18b, KJI17a, KS16b, KS18b, LVTR15, LSL15, LRA17, LW18, LPGT16, LW17, LSD+17, LY16c, LDGH16, LY17, MNG15a, MN16b, MAA18, MD18, NRC15, NLM+16, OTS17, OT15, PL18, PSB+18, PKB15, PS14, PS15a, PGM17, RWG18, RV16, RTO15, RZ15, SPX+18, SHA16, SHA17a, SB18, SY15, SLL16, SUS18, TH18, TK15a, TND18, TT16, VS17, VSC18, WJD16]. phase [Wic16, WKSS15, WT16, WHZ18, XSL18, Yan16b, YH17, YSY17, YY17, ZZ17b, ZHLZ18, ZYSW16, ZYCK15, dJRP+15, tEDKT17]. phase-based [NPRC15]. phase-dependent [DD16a]. Phase-field [BG16b, ARF18, BDPM18, CJY15, CS16c, CKQT15, GGT18, JTR16, JJ18a, JJ18b, LWY17, LY16c, LDGH16, LY17, MNG15a, MN16b, MAA18, MD18, NRC15, NLM+16, OTS17, OT15, PL18, PSB+18, PKB15, PS14, PS15a, PGM17, RWG18, RV16, RTO15, RZ15, SPX+18, SHA16, SHA17a, SB18, SY15, SLL16, SUS18, TH18, TK15a, TND18, TT16, VS17, VSC18, WJD16].

Phase-based [NPRC15]. phase-dependent [DD16a]. Phase-field [BG16b, ARF18, BDPM18, CJY15, CS16c, CKQT15, GGT18, JTR16, JJ18a, JJ18b, LWY17, LY16c, MAA18, OTS17, PKB15, SLL16, Wic16, WHZ18, YY17, ZHLZ18, ZYSW16, ZYCK15]. phase-field-lattice [RTO15].

phased [SFDE15]. phaseless [ZZ17a]. phenomena [Don15b, 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].

photo [BCG+15]. photonic [MHJ15, WHZ18]. photosynthetic [Pis18]. Phys [ASS17, CNG17, Dav15, DK18a, Gho17, GBC16, HGN17a, KYYW+18, MN17, NG18, PS15a, SWMD17a, SY17, TK15b, ZJS15]. Physalis [SP16b].

Physical [Don15b, CHZ16, HX16, LS16b, LLY18, SAH17, WT15, WT16, XB18]. physical-based [LLY18]. physical-constraints-preserving [WT15]. physically [HKS+16, PA15, WED15]. Physics [BR16, EH15, HSK+15,
Kat16, XS15, YB17, CSCM16, DD17b, FHA17a, GSMR18, HBC+16, HHC15, MN18b, PT18, RK18, SBG+17, XWW+16, ZR17, dFGS+17.


PISO [NSK+16]. Pitaevskii [ATZ16, ABR16, MBM+15]. Planck [HYK+16, KJ17b, KJ18, TC15a, MC16, MAM16, SWHK15]. Planck [CV15, DBD+17, IG15, OLHD17, PDdG+17, RYZ18, ZZW+16].

planetary [BLC+17]. planewave [CDM+16, PUA+15]. planewave-based [PUA+15]. plasma [Ama15, Ama18, AG18, BZ16a, BJK17, Bra16a, DS15a, DD17b, DNOP15, DCD+18, ESGS17, FH17, GDS+16, GBC+18, GSMR18, HYK+16, HWH+16, HR17, IKI15, JL18a, KHTZA16, KB18, KS18a, KHC+16, LML+16, MP15b, MP16, PSV18, RKH15, SZ17, SS16c, SR18, SJH+15, TMWF18, TC15d, TSR15, Yan16a, ZZDB15, GFA+16, MAM16]. plasma-coupled [TMWF18]. plasma-lunar [HWH+16]. plasma-vacuum [SR18].

plasmas [CCB16, Hig17, JHT+18, KKS15, KKS16, LLD+16, MNO+17, PMS15, PC16, SP16c, TBC+16, VSC18, WCCB16, ZG17, dSPDH15]. plasmon [MML17].


POD-Galerkin [BFI+16]. POD/DEIM [SSN15]. POD/kriging [MS16b]. Poincaré [DDV+15, HS17a]. Point [RHS18, AEL+15a, AEL+15b, AMB17, CR18, DDJ17, DZ16, DZ18, GS15a, HM16b, HSC16, JL18b, KR17, MBW+15a, MWB+15b, PJC16, POSB16, PR16c, PLR18, WHEK18, WX18, XM18, ZZS+17, ZD17, Vog17].

point-centered [MWB+15a, MWB+15b]. point-kinetic [DDJ17].

point-particle [AMB17, HM16b]. point-value [XM18]. points [DZ16, LTXB17, MRRF18, Peu15, WN17, XL17a]. pointwise [CLL17].

Poisson [ZG17, And16, ABG18c, AC17, BLA+15, Bat17, BPTA16, BD16, CGQ18, CG18, Cot18, CLMZ17, DBBM15, DvWZ18, EG17, EL17, EG18b, GWC18, HW16a, HF18, JTD16, LY15a, LW17e, MS18a, MDVM16, MNR17, NM15b, PKJ+18, RBJ18, SMLB15, SC16, SHW18, St16, Tow18, VSC18, WSJY16, WW18, XJ16, YM15, YM17c]. Poisson-like [NN15b]. polar
SLR\(^+\)16, TCD17. **preconditioners** [BVMW16, DM17b, DMSC16, KCW17, MHHX16, MDDM17, PP18b].

**preconditioning** [CG18, HB15b, JTD16, KA18, PKJ\(^+\)18, RM16, XLY15, YM17c]. **precursor** [KS18a]. **predict** [DCA\(^+\)16, YL16]. **predicting** [AEAM15, CSG17, KL18]. **Prediction** [CI17, DJV\(^+\)18, BHGK18, Eva18, FS17a, IPSG15, NP16, PVPK17, TMWF18]. **predictions** [ALM\(^+\)17, ID17, KBF17]. **Predictive** [KZ17, SZK17, CSCM16, KL17a, KZG16, MGKG17, OCSC18, PD16a]. **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** [CHZ16, AHNF15, BTGM18, BGTM18, LCF16, OV17, PAL\(^+\)16, VW16]. **Preserving** [DD17b, AS15, ADK\(^+\)17, BLMY17, BT16, BMC\(^+\)18, CZW17, CBZ18, CCBdIL15, CcdL15, CWS18, CX15, CQL\(^+\)17, CDN17, CLTX15, CFST16, CDV17, DLM18, DvW15b, DL15, DMSC16, DMTB15, EHHX15, FG17, FLT17, GLTB18, GWYS18, GY15, HSLQ15, HSLQ16, HDA\(^+\)18, Hiv18, HW15b, HS18b, JLQX15, JL18c, JXZ15, JL17c, JS17, JJ17, JJ18a, JJ18b, LW15b, LY16b, LAEK18, Loh17, LHL15, LP17b, MSK18, MD17, MKC17, MCGW18, Nis15, NL17, NSB15, Par18a, QDRB15, QSY16, RKH15, Sch16b, SY16, SL15, SKO18, SPZ18, SL16c, SDW18, SJX15, SJX15, Szu18, TCS17, TW17, TRLK18, VSM16a, VSM16b, WZ15, WY16, WW18, WHY18, WMYG16, WKO17, WT15, XJLQ15, YJ17, YWHP15, ZLJ16, Zha17c, ZSW17, DD17b]. **Pressure** [DXvW18, AEL\(^+\)17, ALL18, CLNH15, DWGW16, DS15c, HTFL18, Hig15, HHA16, KTN15, KHHN16, LW18, MS15b, MCN18, NF17, RMF\(^+\)18, STHW17, SS17c, Si16, TD17, Tou18, XDvW17, XDSX17, ZCHS15, ZZ17b]. **Pressure-based** [DXvW18, TD17, XDvW17]. **pressure-corrected** [RMF\(^+\)18]. **pressure-correction** [ALL18]. **pressure-density-based** [XDSX17]. **pressure-dependent** [MCN18]. **pressures** [TK12, TK15b]. **pressurized** [CLB\(^+\)16]. **Preventing** [HZL\(^+\)15]. **Primal** [RB15, AAE17, AGRB18, TC15b]. **primal-dual** [TC15b]. **Primal-mixed** [RB15]. **primitive** [Niu16]. **principle** [ADK\(^+\)17, CHY16, CLTX15, RMC15, SWPS17, WYZZ18]. **principles** [AZK16, FPDT17, FPV18, MN16c]. **prior** [KKL15, dFGS\(^+\)17]. **priori** [FAZ16, FK15]. **priors** [TBLM15]. **prism** [CLFL17]. **probabilistic** [LZ18, MCS16]. **probability** [BVM\(^+\)17a, BC16b, CVK16, DH18a, GHL15, PKW17, RC18, SG16]. **probing** [PKN17]. **problem** [AJP15, ABN15, ADP\(^+\)17, BD15b, BN17, BHST17a, BXY17, Bat17, BtTBI18, BDKK17, BD16, BKL17, Cac15b, CCHL15, CC15, CGM15, DGHP17, DvW18, FPV18, GP17, Gro18, GP16b, GY17, GY18, HK18b, IK15, JPLL15, JTD16, LDOK17, LHS\(^+\)18, LW15a, LMC16, LYPP17, ZSW17, MSL15, NKN\(^+\)17, RMA17, RZ18, SF18a, TFGK18, TMT17, TRO15, WS15a].
Problems

[Problems]
prototype [SSC+16]. pseudo
[BCSK17, GWWC17, HLU15, KW15b, KADE17, RN18, WS15a, dlHC16].
pseudo-compressible [WS15a]. pseudo-convergence [KW15b].
pseudo-inverse [BCSK17]. pseudo-potential [HLU15]. pseudo-spectral
[GWWC17, KADE17, RN18, dlHC16]. pseudopotential [HW16b].
pseudospectra [RS18]. Pseudospectral [NGY+17, HXB15, MH17].
pseudospectral/discontinuous [MIH17]. pulse [DHC16]. pulses [TSN16].
purely [Cap18, YJ17]. Purkinje [PVFN15, VLP16]. purpose [AVT17].
pursued [TK16]. pyramid [WHY17, WHY18]. pyramidal [JG15].

QTT [BDKK17]. Quad [GTG15]. Quad/Octrees [GTG15]. Quadratic
[HR18a, CCWY18, HTLC18, TD16b, WT16, XX17]. quadratization
[YZW17]. Quadrature
[PMF+18, Tsa15, ZGJ16, CS17a, EE16, FLV18, GN16, Nis15, NL17, RF18,
SS17a, ST18b, Spe15, SGP17b, XX17, ZSP15, aKT16, RKO17a, WK18].
Quadratures [TS18, AŠ16, Tsa16, ZNX15]. quadrilateral
[LTW18, Rag15, ZPW18]. quadtree [MGB+18, Pop15]. quadtree-adaptive
[Pop15]. quadtrees [Bat17]. quality [FAC16, KF15, WQZ15].
Quantification [KBK15b, AKZ16, AAPB17, CC17a, CE18, CQ15, DH18b,
GS18, HAPK15, KRW17, KCS+17, LS15c, LLL16, LSD18, MBN16,
MS16b, MSS16, MCS16, RS17, WL16, ZZ18, vdB16]. Quantifying
[AZK16, BHJ15, XWW+16, GKRB17, LS16]. quantitative
[KBF17, OTS17]. quantities [Loh17, STR15]. quantity [CC17a].
quantized [CVG18]. quantum [CLY+15, GP18, LMI5d, MFB18, PUA+15,
PD16b, Sel15, SFA17, TST+15, WH16b, Yan17]. quantum-accurate
[TST+15]. quantum-mechanical [PD16b]. quasi [AMA15, AMA18, BC16c,
DD17, ETAG15, FCL17, KKS15, KKS16, KPJ18, KCS+17, MA16, Noe15,
NF17, OML16, RDC18, RSB15, TSS17, YXD+16, ZD15a]. quasi-
yxd+16]. quasi-conservative [NF17]. quasi-DNS [KCS+17].
quasi-Lagrangian [OML16]. quasi-minimal [ZD15a]. quasi-neutral
[AMA15, AMA18, DDD17, KKS15, KKS16]. quasi-optimal [ETAG15].
quasi-periodic [RPC+18]. quasi-spectral [MA16]. quasi-static
[FCL17, KPJ18, RSB15]. quasi-unconditionally [BC16c]. quasilinear
[WTX17]. quenching [CSY18]. quintic [YYW16].

Rachford [SwS16]. radar [CW16, CW17, DOD17, SG18]. Radial
[KMGR16, SG16, SNK18, ASS13, ASS17, CS18a, FBW16, GBvZB16, GA18,
HSC16, HXB15, LB15, LHY17, MF17, SKS17, Sh17b, SF18b, SW18a,
SP5b, WQZ15, WF17, XYPT16, XL17a, YLY18, Mue18].
Radial-Function [Mue18]. Radiation [DRM15, BHE+17, CG15,
CwY]+18, DS15a, DC18a, HR18b, KL15, LHY16, NT16, PJE+16, PD15,
Rag15, RKO+17b, SS15, SFDE15, SL16b, TWM18, YHQ15, ZM16b].
Radiation-Hydrodynamics [DRM15, BHE+17]. radiations [WTX16].
radiative [BJR18, CC17a, DP+15, FUC+18, Her16, ION+17, JL17c,
LFRH17, LTKA15, MRM16, SJX15, SJXL15, SJX17, WED15. 
Radiative-transfer [DPW+15]. Radiofrequency [JH15]. Radius [XXR18]. 
Raman [SNB+15]. Raman-lidar-based [SNB+15]. Random 
[LWL18, ADHN15, BSP18, LL17, CN16, CELZ18, DGHP17, DH18b, Gri15, 
HKLZ18, HS17a, JXZ15, JL17c, KC17b, KGT15, LS16b, LL16c, LY17, 
MS15a, MSS16, MN18c, NHA18, PVPK17, PND16, RFGSV15, TST17, TG17, 
WMY16, WN17, WH16b, YGEM17, ZFPB16, TSFS17]. Randomized 
[BBB15, ZNX15]. Randomly [LZT17]. Range 
[AS16, FMPT18, LXL17, Loh17, MDP+15]. Ranges [SY18b]. Rapid 
[DWR18, EKV+16, PBC+17, WS16]. Rapid [DWR18, XYPT16]. Rare 
[CL17, GH17b, MCS16, SPB16]. Rarefied 
[CCL16, DM16, DY16, DLR15, GJ15, KJ17b, LLY18, LXSC16, SBT17, STK15]. Rate 
[AWJ17, HMRG16, MZAF17, Opp17]. Rates [BR15a, DD16a]. Ratio 
[KLC18, LWB+16, SL16, SY18b]. Ratios [FB17, KP15a, YM17c]. Raw 
[NKN+17]. Ray 
[RKO+17b, TSFS17, CLQ17, DC18a]. Ray-Based [CLQ17]. Ray-Moment [RKO+17b]. Ray-Tracing [DC18a]. Rayleigh [BGM16, CSG17, RLV16, RMLvR18, WC18]. RBC [Ler15]. RBF 
[MF17, Sha17b, SF18b, BFFB17, DA17, FFBB16, GN16, KAR17, KÁGR18, 
PLR18, Sha17b, SNK18, TLLF15, XWB15, ZZW+16]. RBF-FD 
[BFFB17, FFBB16, KÁGR18, PLR18]. RBF-LOI [SNK18]. RBF-Vortex 
[DAO17, MM16a, MM18, SXBB15, TKP16, ZLY15, ZW15]. Reaction 
[BL18, ADH+16, BTVC16, CLC16, CCM15, Cot16, Cui15, EGG+15, FBF15, 
FHE15, Hiv18, IZ18, JZ16, JJ17, Kay15, KS15a, Kim15, LPB17, MM16, 
MD18, MWD16, MPT16, MW15, MN16c, NCP+17, PD15, RB15, SSDN15, 
SYM15, SGA+15, TW15, ZLL+17b, ZWYW18]. Reaction-Diffusion 
[CLC16, CCM15, FBF15, FHE15, IZ18, MM16, RB15, SGA+15, TW15, 
ZLL+17b]. Reactions [BL18, IZ18, SPB17]. Reactive 
[SP15a, HGR16, LLD+16, MN18b, MA16, PWP15, RFGSV15, SDM+17, 
WSN+15, XNR18, TRM16]. Reactivity [BHD18]. Reactor 
[TCS+16b, CSL15, DD16J, HBC+16, HED+16]. Reactors 
[TK16, TM17, ABD+18, CLB+16, FBC+16, GDS+16]. Real 
[ATF16, BHL15, ATC17, BLVC16, BW18b, MLI17, MRZG16, MK15, PD16b]. Real-Fluid [ML17], Real-Space [BW18b, PD16b]. Real-Time 
[TRM16]. Recombination [CLGA17, YCBC15]. Recomposition 
[BS15b, DD17c]. Reconnection-Based [BS15b]. Reconstructed 
[LLLN18, CZL18, HL16a, NLW+16, PL16a]. Reconstructing
[KYUO15, KBR17, Par17, PR16b]. Reconstruction
[ALMJ15, AWJ17, BMPS18, MCGS16, AHNF15, AMH+18, APV+18, BAGK16, BJ16, BMCK15, CLP16b, DIX+18, DF16, DL18b, DJD+17, EDvW17, FRRV16, GDFL17, HY16, KKH18, LGB17, LX18, LAEK18, LAK+16, LHF16, LMG17, MDMS18, PK16, PV17, RÖS16, RW15b, SW15, SGD18, SO15, SO16, SIX16, VV16, WRPL17, ZS15, ZN16].

reconstruction/differentiation [LAK+16]. reconstructions
[SL18, TLQ16]. Recovering [RZ18, ZZ17a]. recovery
[AM18, DH18a, KY17, KY18, SZ15b]. rectangular
[CV16a, GKE15, PMGW16, PG18, RMLvR18]. Recursive
[HSSZ16, AN15, HS17a, TZSS17]. recycled [GWC17]. Recycling
[AdS´S+15]. red [HS17b]. redistancing [LDOK17, RPL+18]. redistributed
[HLL+16, PS16]. redistribution [KO17]. Reduced
[BIR18, FS17a, LL16c, WC18, AH15, ATF16, BTD16, BM16, BCG+15, CR17, CCBdL15, CS16a, CQ15, CS16b, DC18a, Hu18, JLI7b, KMD+18, KM17, KTG16, KL17, LVB+15, MWD16, MP17, MXR17, 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, BGGM15, XWW+16]. Reduction
[BMCK15, PG18, AEVW18, An17, BJO18, BBKS18, BGG16, CBA17, CCS18, CLY+15, CEM16, CCL16, CMW16, Don18, GBvZB16, GAJ15, HFN18, JLI5, JLI7b, LYCC17, LS15c, NMA15, NW15, OS16, PQR17, SLB+16, SFDE15, TGB16, VCN15, SL16a, ZWUR16, ZPE+16, ZRE16, dPS16]. reentry
[BIR18, FS17a, ATF16, KMD+18, SSN15, TD16b, URL16, XYF+17]. reference
[ALA16, DJD+17, LTR16, ZLGS18]. refined
[CC17a, JW15c, SL16, ZJLC15]. refinement
[BV15, COdL18, PSB+18, SS15a, SL18, ACS16, BHS+18, DMS17, EH14, EH15, FGL16, HS17b, HS18a, HIN+16, HW16c, JW15a, KL15, KLRT15, KJ18, KS16d, LS15c, LS16b, LLJ18, LMN15, MNG15a, MW17b, MSB+16, WD17, WDS15, XS15, dAC17]. reflecting [FN17, MS15a]. reflection
[CA+16, DJV+18, EG18b, LFR17, XB18]. reflector [BTB18].

reformation [CD17]. refractive [LTKA15]. regime
[BZ16a, CGK17, DLMD18, HBR15, LYA16, YSW16]. regimes
[KF17, LLFX18, PLW16, TCS16a, ZZX16]. region [JL18c]. regional
[PLH18]. regions [BON17, LH17a, MTD16, RC18, SR16]. registration
[ZC15]. regression [ARG+17, GJ18, LLL16, NP16, PVPK17, SX16].

regression-based [LLL16]. regular [Gro18, KGT15, MDM+15].

Regularization [BPM18, WSU+15, BKL17, CLS+18, GZ17, HW16a, KGS17, LT17c, LEB+17, SHW18]. regularizations [HNS16]. Regularized
[VD16, WGM17, WCVF16, CIV15, NL15, SNB+15, Smi18]. regularly
[MCHL16, Opp17]. relativistic [BAGK16, BK16a, CTK17, ION+17, KFF+17, PSV18, QSY16, Sel15, Teu16, WT15, ZT17]. Relaxation [ACCCDA16, ACCCD+17, AIP17, APT17, CDN17, FBL17, GSN17, HHM17, LMS17, LMSK17, MG15a, NGS16, Xic15, ZL15c, AC16]. relaxed [EN17, YM17a]. relaxed-Jacobi [YM17a]. reliability [KM17]. relocation [ACCCDA16, ACCCD+17, AIP17, APT17, CDN17, FBL17, GSN17, HHM17, LMS17, LMSK17, MG15a, NGS16, Xic15, ZL15c, AC16]. replications [ACCCDA16, ACCCD+17, AIP17, APT17, CDN17, FBL17, GSN17, HHM17, LMS17, LMSK17, MG15a, NGS16, Xic15, ZL15c, AC16]. replicated [ML16]. Resolution [MMW15, AWS16, ANL+16, BTGM17, BGT18, BST+18, BP18, BLK15, FHA17b, GMA18, il15, il17, KQB18, KH17, KK17b, LK17a, LW17b, LZZS15, NYNY15, OMYvdP+15, PE16a, RHvR+15, SSM+17, SZS15, TCB18, WLW+18]. Resolved [SP16b, CMR+16, DGYW18, TH18]. Residual [CEL15, AD15, BC16a, CC16c, CLGA17, CLNH15, GMLD18, IC17, KSSL18, LW17a, LSI16, MN15, OKWE17, PHRA16, Ric15, ZD15a, ZM16b]. residual-based [KSSL18]. residual-distribution [MN15]. Residual-driven [CEL15]. resistant [LKK17a, LKK17b]. restrictive [DNOP15]. Resolution [MMW15, AWS16, ANL+16, BTGM17, BGT18, BST+18, BP18, BLK15, FHA17b, GMA18, il15, il17, KQB18, KH17, KK17b, LK17a, LW17b, LZZS15, NYNY15, OMYvdP+15, PE16a, RHvR+15, SSM+17, SZS15, TCB18, WLW+18]. Resolved [SP16b, CMR+16, DGYW18, TH18]. Resolving [BVM17b, BCG+15, DIX+18, MMPS17, SKG17, PEVG18]. Resonance [CLL17]. resonant [VMN+18, DS15d]. respect [TVB+16]. response [BL15, G15, G16b, G18, LWLC17, MN18b, P18, ST16]. restrained [TR17]. Restricted [Mac16]. restrictive [ML16, SMT+16]. restriction-smoothed [ML16]. restrictions [DvW15a]. retrieved [DvW15a]. retrievals [SNB+15]. retrieving [Par18b]. Retrospective [LHMB18]. result [DvW15a]. result [SNB+15]. reverse [BT17a]. reversed [W16]. reversibility [GRK17]. reversible [BL18, IZ18, PD15]. review [Che18, G18, M17, Z12]. revised [FDS+15]. Revisiting [AAI16, LM15b, LOK17, Ram18, VPV+17]. Reynolds [BBKS16, DCP15, E18, FMPT18, LZB+17, LMB18, NL18a, WSY15, WME17, XWW+16, Z16]. Reynolds-averaged [LZB+17, LHM18, XWW+16]. RG [SFT16]. rheology [FNGDMNR18, MPD18, SHP+16]. rheology-IBM [SHP+16]. ribbed [MF16b]. Richardson [ACCC17, ABFR16, HK18a]. Rieman [CTM+16, RZ15, A15, BD15a, BD15b, Bal15, BAGK16, BK16a, BVG+16, BTGM17, BN17, BK17b, BGT18, DB16b, FFW17, GP16b, Guo15, GW16, JZSX18, KW15b, LSTK15, LDGH16, LZW+17, MS15b, MBD15, Niu16,
SW17a, SYY16, TM15b, VNA15, ZHA17a]. **Riesz** [AHKT17, DLC15, MD17, YYN+17]. **right** [Mac15]. **rigid** [BHST17a, BHST17b, BSTH18, CGRV17, DSH+16, DCA+16, IML15, LTB16a, LMM17, PN18, PR16a, QYF15, RW15a, Say17a, Say17b, SGMS16, STKH15, TOR+15, WE15]. **rigid-body** [WE15]. **rigidity** [LL18]. **ring** [SB18]. **rising** [WB17]. **Ritz** [Lot18, RMLvR18]. **RKDG** [BK17b]. **roadmap** [CSS17]. **Robin** [GAS+18, ABG18c, BSP18, ED16, LZ17b]. **Robinson** [KS18b]. **Robust** [FWK18, LG017, LSLA16, MMHX16, RKKW16, Sha17a, SLWL15, St116, WN18, YL17, ARG+17, BCSK17, BW18b, CBC+18, CZJ17, CD17, CV16b, DL16, HHH17, JSP16, KTN15, LKB15, LZ17a, LSS+17, Mni16, NW15, OSKN18, PL18, PGM17, SYY16, Sub15, SGP17b, WR15, YK15]. **robustness** [CoDL118, MDM18]. **rock** [dFGS+17]. **rocket** [SDM+17]. **rod** [AMM+15, CLB+16]. **rods** [AHHC18]. **Roe** [BR16, NMM15, ATC17, BR15b, Bon17, CC17b, LT17a, SPP16b]. **Roe-like** [SPP16b]. **Roe-MUSCL** [BR16, BR15b]. **Roe-type** [CC17b]. **rogue** [FS17a, WMY16]. **role** [BFFB17, FFBB16]. **Romenski** [Jac17a]. **Rosenbuth** [TCS15, TCS16a, TCS17]. **rotated** [GH17a]. **rotating** [ALT17, BC18b, Cai16, CE17, NMM18, RLP16, SGN16, SP16a, TC15b, WLM15, ZL15b]. **Rotation** [HSB16, ATZ16, BTD16]. **rotational** [CVG18, WYX17]. **rotations** [YLBL16]. **rough** [EG18b, HHLY17, LWC17, OZ17, XWW17]. **roughness** [YFKS15]. **RPA** [LT17b]. **rule** [AW16, ZSP15]. **rules** [CS17a, Tsa15, ZGJ16, vdBK17]. **run** [FKR16]. **run-up** [FKR16]. **Runge** [BR16, SLL17, BR15b, BZ18, CCRdL17, CB15, HK18a, HS18b, JH17, MKV16, MW17a, MH18b, NMC15, O'S15b, PP17, WJD16, WBM15a, ZT17]. **runs** [Bre18]. **rupture** [DD16b]. **Rutherford** [Hig17].

**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, KBB15b, LL15, Par18b, RFPSA18, SX16, SG16, WBC+16, YYL16, RC18]. **SAR** [SGP17a]. **satisfy** [FS15]. **Satisfying** [SVY17, Abg18a, CHY16, CHS17, LW17c, SWPS17, SYV14]. **saturated** [HSK+15, LL18, SSL17, Zad11]. **SAV** [SXY18]. **save** [TP17]. **Saving** [FJLC18]. **SBP** [Mat17, MAVW18, MO18b]. **SBT** [GRS15]. **scalability** [ECD16]. **Scalable** [CWF16, CMW16, IPSG15, KRBW17, ANL+16, CS16a, EG18a, EMJ18, KC17, KDPK15, MCN18, TCSM15, TLLF15, WLC15, YS17]. **Scalar** [IC17, MD16, SKC17, HAH16, HS18b, LBZA16, OMYvdP+15, PKN17, RBGV15, SMD18a, XXY18, SWZ17]. **Scale** [HHA15, ABI17, ALO18, AG18, BB17, BK18, BB15, Cac15a, Cac15b, CGS18, CPT16, CGC17, CMW16, DLLV17, DKPC15, DNOP15, DPW+15,
EZG16, FX18, GHH15, HHLY17, HKS+16, IPSG15, KJ17a, KLRT15, KS16c, KDPK15, KSSL18, LHS+18, LLM17, LMC16, LX17, LWL18, LY16a, LHA16b, MAH16, MOR18, OCSC18, PD17, SKP+15, SSL+16a, SAH17, SDJU15, SRBB18, SDH+16, SXX16, SPM+15, SSA17, VKE+18, WMY16, WSN+18, WB17, XB18, ZKS+15, ZQCT15, ZPE+16, dICGCA17, PEVG18].

scale-bridging [DPW+15]. Scale-Resolving [PEVG18]. Scaled [GBS15].
scales [Hig15, MMW15, SDJU15]. scaling [JLQX15, LL16a, LY15c, LY17, LT17b, NN18, XXR18]. scalings [JX15, JL17c]. scattered [BFP18, CGM18]. scatterers [CR17, CCZC16, DKT15, JHPAT17]. scattering [AJP15, AN15, APKP16, BABB16, BXY17, BMN15, BKL17, CDL17, CHE+17, DCC16, DvB17, DDV+15, FM15, FYC+18, GMP16, GHH16, Hig17, HN17a, HN18, KE15, LKB15, LGO17, LW15a, LB16, LBB+17, Par15, PLL15b, PW18b, SUR18, SF18a, SLE18, UWH17, XB18, ZFZL15, ZZ17a].

SCDM [DLY17]. SCDM-k [DLY17]. SCF [BW18b]. Scheduled [ACCDTA16, ACCCD+17]. scheme [AIP17, AdRBC16, Ali15, AS15, APKP16, ADH+16, AA15, ATC17, AHKT17, BHZ16, BAGK16, BK16a, BEJ15, BK17c, BT16, BSP18, BSWG15, BHGK18, Bon17, BDL18, Bra16b, BCM15b, Bnl16, BRK17, BMC+18, CGA17, CX15, CXL16, CHT17, CC16c, CB18b, CV16b, CHS17, CMM17, CDV17, Cui15, DGW18, DDJ17, DSS18, DLN15, DS15c, DL18a, DMT15, EMSS17, FDS+15, FX18, FLT17, FS16b, GOR17, GHR17, GBM16, GGL+17, GHL15, GHL+16, GX15, GLW18, HW15a, Hiv18, HW15b, HWA15, HAH16, HC18a, HC18b, HTBG15, Ism15, IDSG15, JAC17a, JME18, JPSX18, JW15c, JS17, JC17, JJ18b, KGS17, KHC+16, KV16, LL+16, Ler16, LL16b, LHMB16, LIT17a, LL18b, LLFX18, LW18, LWW18, LST15, LMK15, Liu16, LXSC16, LT17b, LAEK18, LM15d, LH16, LI15, MIL17, MNG15a, MRRF18, MN15, MDBF17, MS18, MT17, MSB+16, MBM+15, NM15].
scheme [Nis18a, NF17, NT16, OSK18, PX15, PXL16, PX16, PL16b, PG17, PPBK15, PK18, PS17, PA15, PVS18, PM15+15, QWX18, RDG17, RSS16, SNS16, STK+16, SK15, SS16b, Sha17a, SFT16, SWPS17, SY16, SLL17, SWK18, SWHK15, SPZ18, SD16, Sto16, SS17c, SDW18, SK18, SJ15, SJXL16, SJX17, Tav16, TK12, TK15b, TM15a, TC15b, TPK16, VST16, WR15, WH15, WDS15, WY16, WH16a, WH17, WLY17, WLGD18, WLW+18, WHY18, WL17, WZL+17, WRL18, XCM17, Xie15, XQ17, YSWS16, YWS+16, YFJ17, YFJ18, YLA15, YWHP15, YZZ15, ZG17, ZSW17, ZSYS16, ZPW18, ZLGS18, ZYW18, ZZX16, ZQ16b, ZQ17, ZGW17, dSPDH15, dBM16, vEkDB16, FRO17]. Schemes [ZQ16a, AHN15, AMH+18, AD15, Abg18a, AD17, An17, ABH18, AB16, AL15J15, ADOP18, BD15a, BG16, BTGM17, BK17b, BCTM18, BC18b, BR15a, BR15b, BR16, BH18, BLMY17, BLD15, BDZ15, BD17, Bra16c, Bre17, BTVC16, CBZ18, CV17, CRRdL17, CBS18, CB15, CC17b, CYYZ15, CS16c, CK17, sCYxL+18, CLS+18, CCZ15, CY17, CCK+18, CLTX15, CTM+16, CK16b, CwYJs16, DS15a, DPO16, DL15, DLM18, DL18b,
schemes

Schrödinger

Schrödinger-like

Schur

section

sections

sedimentation

sedimentation-consolidation

Seismic

Seismic

Self

Selected

Selected

Search

searching

search

Second

Second

section

sections
Shallow-water

Sham

Shape

Shape

Shapiro

Sharp

Sharp-interface

Sharpening

Sharpness

Shear

Sheared

Sheath

Sheet

Shift

Shifted

Shifted-Laplacian

Shock

Shock-capturing

Shock-fitted

Shock-fitting

Shock-particle

Shock-stable

Shock-turbulence

Shocks

Shockwave

Shooting

Shot

Shrinkage

Shu

Side

Sided

Sign

Sign-changing

Signaling

Signals

Signed

Similar

Similarity

Simple

Simplex-in-cell

Simplicial

Simplicity

Simplified

Simplifying

Simulation

Simulated

Simulating

Simulate

Simple
FFJT16, FRW16, FKY15, FP18, GB15b, GB15a, GWB+15, GZY16, GDFL17, GRS15, GH17b, GBU15, GFW16, HYK+16, HIN+16, HN17b, HML17, HY17, IM17a, KM17, KBK15b, KPJ18, KLNH17, KLRT15, KK17b, KS18b, KHC+16, KJ17b, KYPK15, LYCC17, LRA17, LPW15, LZ15a, LWY17, LXL17, LLY18, LTB16b, LD15, LPBR15. simulation [LAA16, LSYF15, LWC17, LEB+17, MC18, MWD16, MNG15a, MPT16, MG15b, MNO+17, MS15c, MW16a, MN16b, MRK15, MTJ17, MT15, MLL18, MZ15, MM16d, MOR18, NOM+17, NYNYM15, PC16, PGGW18, Pis18, QWXZ17, RS16b, RWG18, RW15a, RMF+18, RBGV15, SNSG16, SKF16, SD15, SDJU15, SAK18, SSC+16, STKH15, SP16b, SCS+16, SHW17, SF16, Str17, SP16c, SK18, SST+15, TCA16, TGY18, TK16, TC15d, VV16, VB17a, Vre17, WDS15, WSP16, WCCB16, WHT18, XYPT16, XD+17, XZZ15, XR17, YC15b, XSW15, YSWS16, YSWW16, YFJ17, YFJ18, Ycs+17, ZFPB16, ZLY15, ZB15, ZDGW16, ZW16, ZZ17, ZHLZ18, ZQCT15, dJRP+15, dlCGCA17, vdLJL16, CWS18, FNP17, LLM17, TAPR17]. Simulations [CBS18, Gan15, AWS16, ALM15, AT18, AG18, BT17a, BCD+15, BFI+16, BL18, BBB+16, BCB15, BI16, BPS16, BPS17, BBW16, BLK15, BVMI17b, BLJ17, BPM18, CGQ18, CM18a, CCBd15, CCD15, CDM18, CKT17, CS18a, CGG16, CC16c, CS15b, CSB15, CvKH16, DMAM15, Dav10, Dav15, DM16, DG16c, DB16a, Don15a, DCD15, DD16b, EFHZ17, ED16, Fan16, FHS17, Fed17, FPASS16, Fer17, FHA16, GZM+17, GSL18, GDS+16, GBC18, GJ15, GEZK16, GSS15b, HRJ+16, HBC+16, HWH+16, HTZG17, Heu17, HSB16, HHA16, HLY15, HLP16, HLSY16, HMRRG16, Ido16, IG15, IBM16, ID17, JSP16, JYY18, JLF17, KQB18, KHT16, KL16, KZ15, KG15, KR17, KS17, KV16, KS16d, LM15a, LY15a, LKK17a, LB16, LHMB18, LWL18, LGD17, LHY17, LZL+17, LRZ17, ML17, MS16b, MC16, MD16]. simulations [MBBKTH17, MAH16, MSP15, MMW15, NCP+17, OLD+16, OCS18, PP18a, PN17, PP17, PDS15, PBC+17, RLV16, RS17, RRK15, STHW17, SS15b, SMD18a, SKG17, SSA17, STH15, SM15, SMAG17, SSL+16b, SHP+16, SKC17, SR18, SAOW17, TBC+16, TLH15, TPT16, dCPDC+17, TRL15, TS17, Tou18, TR15, VVW17, VKE+18, VBF15, WTS+17, WDGW17, WKSS15, WRL18, XWW+16, XXR18, YC16, YX+16, ZV16, ZYW16, Zil15, ZPE+16, ZRE16, dLGT+17, vdKK16, PD17, PEV18]. simulator [VBG+17b, WLC15]. simulators [MRA16]. simultaneous [GGW17, SLC+18]. Single [FCW+18, PS17, ZY17, AJP15, CFST16, DG18, DPK17, Hig17, JZ16, LF16, RPM16, RKK15]. single- [DG18, LF16]. Single-cone [PS17]. single-event [Hig17]. Single-node [FCW+18]. Single-node [ZY17]. single-particle [DPK17]. single-stage [CFST16]. single-step [CFST16, JZ16]. singletrace [JHPAT17]. singly [ST17]. singular [EG17, GRMK15, MW15, NL15, POSB16, SO17, Tsa15, Tsa16, WHCN17]. singularities [SDW16]. singularity [FQZNZ18, GZ17, OvdHVH16, Pru18]. singularly [CAA18]. six [PS14, PS15a]. six-equation [PS14, PS15a]. sixth
Solvent [EG18a, SZCL18, ZRT18]. Solvent-Excluded [EG18a]. Solver [ABG18c, APV+18, AGBL15, Ama15, AAD16, AB16b, AdSS+15, ABT16, AC17, ANL+16, Bal15, BAGK16, BK16a, BVG+16, BN17, BDK+17, BP18, BWR15, CBB16, CBC+18, CMB16a, CG18, CGP16, CMT+16, CRZ17, CM18c, CLP16b, CCGH17, DWWG16, DY16, DS15d, DL18b, DB16b, EJMI18, FGLW18, Fer17, GRT18, GWC18, Guo15, GFW16, Har18, HY16, HSF17, JZSX18, KEJ18, KC17c, KFWK17, LTB16a, LKB15, LZ17a, ILLNS16, LSTkM15, LDGH16, MS15b, MIH18a, MHL17, MM17, NNW17, Niu16, NN15b, OC18, OVP15, PKF16, PR16a, PCBG18, Pop15, RCRF16, SKP+15, SHL15, SP16a, SYY16, STW16, SYM15, SGD18, SC16, Sti16, SL16b, SST+15, SK15b, TCS16a, TH15, Ter18, VLP+16, VKE+18, VNA15, VSO18, WY17, WS15a, WCCB16, WHT18, XJ16, YSY15, ZHA17a, ZG18, ZBJ+18]. solver-based [BK16a]. solvers [BSK15, BD15a, BTKM17, BK17b, BAVC17, BC16c, CDC17, DS15b, DG16a, DWR18, DL18c, EKV+16, Jou15, LPGT16, MVZ16, MM16c, PP17, SW17a, SPM16, TKB+15, VBG16, XRM15, ZAK15, dPSS16].

Solving [GMP15, GMS16, GLTG15, KR17, MBD15, AR16a, ADH+16, ADP+17, BM15, VMN+18, BZ15, DLNR18, EE16, GSN16, GP17, GBM16, HW16a, HHCG15, HSC16, HF18, HHY15, IK15, KKL15, KL15, LMS17, LM18, LWO15, LC16, LK16a, LW18, Lot18, LZW+17, LS16, MW16b, MW17a, Moh15, MLMM17, MM+15, Noe15, OL16, Pxr15, PKJ18, PIR18, PBB15, SNK18, SLZ15, SWK18, SS16c, SHW18, SGT16, SGT17, TSH17, TP17, TBO+16, Vab15, WR15, WX15, WA18, XL16, YHKPF17, YJB18, YM17c, ZK16a, ZD15a, ZQ16a, ZQ16b]. SOMAR [SS15a].

Some [FLW16, hGWszS15, FSWW17, GFO18, KD17b, Pas16]. sonar [EFHZ17]. source [ASB+15, ADOP18, BCB15, BT16, DH18a, DMTB15, EG17, FQZNZ18, GKN17, HS18b, NMM16, NLK+15, NL17, RZ18, SY17, Tow18]. sources [POS16].

Space [PCF15, SWHV16, VLN+18, AS15, AP16, ATZ16, AKHT17, BCST17, BJH18, BZ15, BHE+17, BW18b, BTWY15, CL18, CV16a, CGG18, DM17b, EHX15, Fid17, GLW18, HKPK16, Har18, HML17, JW15b, JW16, JX15, JX17, KL15, KLRT15, LS16b, LWY17, ILSN17, LF16, MD17, MN18a, MRZG16, MDDM17, PDF16b, SWZ15, SWLZ15, SW16, SWPS17, SW18b, SX15, Tav16, TD16a, TD17, TD18, VG16, VSC18, YNN+17, ZJL16, ZBZT17]. space-angle [KL15]. space-charge [AP16]. Space-fractional [PCF15, CLZ18, CV16a, CGG18, JW15b, JW16, ILSN17, MD17, MDDM17].

Space-time [VLN+18, DM17b, Fid17, HML17, LWY17, SWPS17, SW18b, TD17, TD18]. spaces [GMP16, KCW17, KC17c, YY16]. spacetime [AM17a, NLK+15]. Sparse [ABM16, CS16b, HLS15, WTCG16, ARG+17, ATM+18, AM18, BGG16, CQ15, GNZ18, HLTC18, JW15a, JLL17b, KS16b, LZT17, MJ17, PSP16, SS17b, TCA16, WCN15, WKSS15]. Sparse-grid [CS16b]. Sparsifying [LY16d]. Sparsity [KMD+18, BK17, SGP17a, YLBL16].
GO16, GKNA17, GZ18, HTBG15, KKS16, KO17, KV16, LSL15, LZL17, MM16a, MLM18, PL16b, PGI17, PMB18, QHZ15, RFPSSA18, RS15b, Rua18, SZY16, SLL16, SX15, TT16, TL15, VST16, tEDKT17.

splitting-based [tEDKT17], splitting-free [KO17]. splittings [BMT16].
spray [DAO17, MZ15], sprays [SDM17], spreading [BDG17, JJS15, LWC17].
spraying [SDM17]. spreading [BDG17, JJS15, LWC17]. spring [iI15, iI17].
spurious [AAL15, MSG18a, MLB18, ZW15]. squall [MG15b]. square [JL15].
squares [CNW17, NW17, BVC16, BtTBI18, Blo17, CBA17, CZL18, LYZ18, LJ16, MAP17, SX16, TMWF18, TMH16, VLN18, ZNX15, dTP16]. squares/fictitious [HGW18]. squircles [LB15].
Stabilisation [XRMM15]. Stabilised [ASS17, ASS17, DJLQ18, MNG15b, SSC16, BHF15, DGM17, FMPT18, HMFJ18, MVK16, SDMS17, SL18].
Stable [AMH18, BGN15, BJk17, CNG99, MDT16, SKP15, Sto17, WF17, ZN16, dSPDH15, BHST17a, BHST17b, BHST18, Beg15, BCJL17, BC16c, CNG17, Cha18, CJY15, CS16c, CS17a, sCYxl18, CLS18, CKQT15, Clv17, CHD18, DC18b, DWG16, DWGW17, Don15a, DS15c, DB18, FCL17, FFFT16, FPV18, GBCF15, GBCF16, GHL18, GGT18, GTG15, GX15, HW15a, HHR15, HN17b, IC17, LT16a, LM18, LHB16, LSZ18, MLI17, MBHS17, MDM18, MLI16, MTD15, N15a, NN17, NL18b, OLD17, PCN15a, PCN15b, PNd16, PKK18, PBM18, ST18a, SW17a, SLH18, SPB18, SYY15, SLL17, Tav16, VV16, WJD16, WWGK17, WG15, WG16b, WDGW17, WCC16, WSF17, Xia15, YC17, Yan16b, YH17, ZYSW16].
Stage [PP17, BJO18, CSS17, CFST16, DL18c, FPASSA18, LST17, PXLL16, RFPSSA18].
Stage-parallel [PP17].
Staggered [CCKQ15, AB17, CCM17, GH17a, KSSL18, LHMB16, LWWY18, LMMS16, LCF16, MO18b, OL1D17, SO15, SZF15, TLQ15, TD16a, TD17, TD18, TRL18, VV16, Vre17, Wil18, YYL16]. staggered-grid [GH17a, LHMB16, LWWY18, SZF15, YYL16]. staggered-mesh [Wil18]. standard [Fan16, FST15, STG17, VV17]. stars [Lau17, RLP16].
started [GWC17, SHW17]. state [BJT15, BJW17, CCK18b, CLZ18, CCM17, CML16, EFT15, KTN15, KS18b, LZ17b, MC15, Noe15, SE16, TYD16, TST17, TCL15, XZT18, ZJL15, ZXX16, 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, DCK15, LZ17a, LY17, TSST16, ZFPB16, ZL15b].
Statistical [LKK17b, RS15b, CSN18, RL17, VCNG15, ZLX17]. statistically [CM18b]. statistics [DY16, FKF17]. status [MSV16].

Steady
[TYD16, AD15, CVK18, CZL18, CCM17, DKPC15, DDV18, EFT15, HY16, JL16, KA18, LL16b, LLW18, LZ17b, MC15, MH18a, Noe15, PQR17, RKK15, SE16, TST17, XRM15, ZJLC15, ZZX16, ZS17]. **Steady-state** [TYD16, CZL18, CCM17, LZ17b, MC15, SE16, TST17, ZJLC15]. **Steepest** [MH18b, TP16b, FSWW17]. **Stefan** [Gro18]. **Steklov** [DDV15, HS17a]. **Stellar** [Lau17]. **Stencil** [GEZK16, PG18]. **stenotic** [GZM17]. **step** [BH18, CC15, CFST16, DvW15a, DL18a, EMSS17, FW18, HPY18, HC17, HMRG16, JZ16, MBS15, PKK18, SP16c, VL15, WBM15a, BM15]. **Stephen** [ZS15]. **stepping** [BDZ15, CLvS17, CLP16b, DNBH15, EARA15, GSK18, LW17d, LWY18, MM15, Par18a, QB16, RGPS17, Tav16, Tie16, Yi18, ZZDB15]. **stepwise** [ARG17]. **Stiefel** [BTD16]. **stiff** [BP18, CB15, CTM16, HS18b, LTR17, PBKK17, SXBB15, SYM15, TNW15, TM15b, ZW15]. **stiffly** [RT16]. **stiffness** [AM17b, WHCN17]. **Stochastic** [AMK17, BHS18, CL18, CHLZ17, HKJ17, LPWK15, PTMF18, RL18, SE16, ATM18, ADH16, AAPB17, BCSK17, BV18, CHZ16, CSN18, Cot16, CMR16, Dav10, Dav15, DH18a, DEZ16, EDC16, GH17b, HFND18, HHCG15, HMBH15, HJZ17, HL15b, HH16, ISST18, JLS15, JL18b, JLS17, JS17, KM17, KKL15, KK17b, KOU16, LYK17, LJS15, LRT17, LM15c, MPT16, Moh15, MF18, NW15, Opp17, PE15, SSDN15, SS15b, SGA15, TWN15, TPT16, TTT17, VLB18, VCN15, WN18, WHCN17, WH16b, WTX17, XZZ15, YLY18, ZL17, dCGCA17, ACR15, HSB16]. **Stokes** [CDN17, HTMP17, TXKvdV15, TXKvdV16, AD15, ALKZ16, AB18, ALL18, AB17, BTD16, BC16a, BTMV15, BLJ17, BHF15, BC16c, BC16d, CGS18, CHOR17, CS16c, CYL16, CYYL18, CCKQ15, CGRV17, CV18, CCM17, CLP16b, FK17, FBW16, GTF15, GSMR18, HPY18, HW15a, HTFL18, HM16b, JPSX18, KML18, KLGO18, LM18, Ler16, LXC15, LZB17, LT17a, LHB18, LM16, LY16a, LRGO18, MS18a, MS18b, MLM18, MPFL16, MS17, MBKK17, MHS16, MR16b, MN18c, NL15, OT15, OvdHV16, PE15, PX16, PX16, PJC16, PCN15a, PCN15b, Pea15, PND16, PDRB17, PBBK15, PMB18, RDM15, SHLG15, SMS16, SBL16, SLY16, STG17, SE16, Stii15, Stii17, SZCL18, Svi15, TD16a, TD17, TMH18, UL16, WY17, WR15, WZ18a, WCVF16, XWW16, YCY17, YTW15, Zha17c, ZLF18]. **Stokes-like** [GSMR18]. **Stokesian** [LRZ17, WB16]. **stokeslet** [Smi18]. **Stokeslets** [CV15]. **stopping** [RMP18]. **storage** [CB15]. **straight** [LBZ16]. **strain** [LK17, SY18a, TBO16, WS16]. **strand** [KW15a]. **strategies** [BB17, HD15, JW15a, KRF16, Kou16, LJ16, PQR17, SSN15, WED15]. **strategy** [AM18, CCL15, CGC17, DC18b, DBMB15, FC16, GX16, JYY18, JBOT15, OMYvdP15, PK16, SX16, SDM17, ZFZL15, ZLL16b, vLtTBI17]. **stratification** [CDV17]. **stratified** [BNM15, Cal16, GDA16, MTD15, MDT16, RSI16b, SHLG15, WLM15, vOMB17, SS15a]. **streamer** [DBMB15]. **streaming** [BDMC15, YSWW16]. **Streamline** [WHE17, WHEK18].
Summation [MN04, MN17, RÖS16, CHD+18, DBZ17, FN17, GWK16, GKE15, LMN18, NPP15, NN17, NR17, NG17, NG18, PS15b, RÖS17, Ran18, RWN18, RN18, SPB18, LKN17]. Summation-by-parts [RÖS16, CHD+18, DBZ17, FN17, GWK16, LMN18, NN17, NR17, NG17, NG18, PS15b, RÖS17, Ran18, RWN18, RN18, SPB18, LKN17]. super [Fed17, SLH18, SSM+17]. super-convergent [Fed17]. super-convergent [SLH18]. super-hydrophobic [Fed17]. super-resolution [SSM+17]. superconducting [FBC+16, PK17]. superconductivity [GS15b]. superconductors [SKP+15, SSL+16b]. Superconvergence [SZ15b, GSS15a]. Superconvergent [GP17]. supercooled [RWN18, RN18, SPB18, LKN17]. suppressing [NT16]. suppression [MAP17]. Surface [BC16d, TP16a, YT17, AAL15, AASPT18, AZ17, AS17, AEL+15b, APT17, Ani16, BJWZ17, CCHL15, COV18, CSG17, CG16, DDV18, DKTH15, DKC15, EJZ17, FRL15, FMRZ17, FPDT17, FKY15, FPV18, GP16c, HHA15, HWH+16, HLTC18, HKS+16, JRPPS18, Lau17, LC17a, LLY18, LS16c, LZ15b, LWC17, LEB+17, MML17, MNG15a, MK15, MDL16, MHS16, NWKC16, DM18, QWX18, RZ15, Say17a, Say17b, SAK18, SL16a, TBO+16, WX17, XYPT16, XX17, YX17, YFKS15, YCS+17, ZZS+17, ZZKF15]. surface-integral-equation [SL16a]. Surface-tension-driven [BC16d]. Surfaces [EG18a, AASRT17, CLR15, CE17, Chu17, FF17, Fed17, GA18, GQT16, HN17a, HN17b, HN18, KJYC17, LWZ16, PCX17, PKB15, PR16c, PLYR18, QS16, RF18, SNK18, XWW17, ZW16]. surfactant [BGN15, DD17a, Gan15, SA16, SCJ+18, ST18c, XSL18, dJRP+15, dLGT+17]. surfactant-dependent [Gan15]. surfactant-laden [ST18c]. surfactant-polymer [DD17a]. surfactants [BG16b]. surrogate [KSV+15, PKW17, SGC+17, SGC+18, TCA16, WL16, ZZ18]. surrogates [WLL16]. survey [Shu16]. susceptibility [DKTH15]. suspension [CGS15, CV18, FKY15, IML15, TMM18]. suspensions [BRK+18, BLG+16, DKPC15, GLTB18, QKB18, LRZ17, NRZS17, QB16, WB16]. swarm [LLY15]. swarming [GHM15]. SWE [CV17]. sweeping [DG16b, EFT15, EG16, KLIQ17, LQB16]. swept [AW16, MN18a]. swimmers [SCQ16]. swimming [BI16]. switch [DWR18]. switching [HSK+15, Zad11]. Sylvester [HO15]. Symmetric [LIW18, BBF+17, 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, DLM18, DLMV18, EL17, FDS+15, FS15, GX15, HK16a, IM17a, KKS15, KKS16, KLGO18, LCK16, LMK15, LMSK17, LATEK18, LLN18, LRGO18, MDVM16, MN16a, MRN16, MP16, NBH18, SHLG15, TC15a, TCK15, VLAB18, VLN+18, WCVF16,
ZM16a, ZWYW18]. **Systematic** [LYLK17, MPP15]. systems
[AGRB18, ABR16, BN17, BT16, Blo17, BW18a, BV18, BDV17, BRK17, Cac15a, Cac15b, CGS18, CFG16, CB15, CTJ+17, CQL+17, MLS+18, CLM15, Cos16, Cot18, DL18a, DB16b, EBQ15, EFT15, EJMI18, FDKI17, FOF15, FB15, GAN+16, GKMS17, GS18, HKKP16, HM16a, JL18c, KBK15a, KNS15, KM16b, KML18, LS15b, LPB17, LYZ18, LXL17, Lia16, ILNS17, LSP+18, LJ16, IW17e, LPBR15, MSK18, MW16b, MW17a, MMvR18, NMA15, NL15, NW17, NW15, NN16, Nor15, PxrSi17, Pan15, PT17b, PZ17, RB15, SL18, SMS16, SPP16b, SMR18, SS18, Twn15, TPT16, TTT17b, TZSS17, VNA15, WN18, WE15, WCN15, WHCN17, WW18, Web14, WTX17, ZJS15, ZD15a].

T [DS15a], TABI [CG18], tailored [FHA17b]. Takahashi [Zil15]. taking [LYDB17, SSL+16a], tallies [Swe18], tank [XYPT16], target [ST18b, ZFZL15]. **Targeted** [FHA17b, FHA16, FHA18]. targets [ALM+17, Dod17, HZ17]. **TAS** [GRS15]. task [KFF+17]. task-based [KFF+17]. Tau [ASB+15, BZ15, BDBEE15, VK16, KRFV16].

**Tau-estimation** [KRFV16]. Taylor [BR16, BR15b, GR15, OC18, RLV16, YYL16, YHKP17]. **Taylor-Green** [BR16, BR15b]. Taylor-series [YYL16]. **TDIBC** [DSSP18], tearing [DNOP15]. technique [ALM+17, AMP16, CM15, DA17, DWGW17, ESGS17, GDFL17, GRS15, GKE15, Hig17, KHTZA16, KSV+15, LDL+16, MNG15a, Ram18, SGL18, SCJ+18, TBO+16, ZWUR16, ZXDL17].

techniques [CSN18, GWB+15, HR18b, KA18, DV17, MDM+15, QWXZ17, SDJU15, SGC+18]. technologies [ADE+17]. telegraph [AR16a, Ata15, HB16, KA15]. telegraphic [GCVCHH18]. Temperature [DJD+17, AJW17, Gen11, Gho17, NF17, SSM15, TCS16a, ZV16].


**Ten-Moment** [MKC17]. tension [AAL15, AASPT18, APT17, Ani16, BC16d, CG16, EJZ17, FMRZ17, FP18, GOR17, HKS+16, JRPPS18, Say17a, Say17b, SAK18, TP16a, YCS+17, ZZKF15]. tensions [WX17]. Tensor [CRZ17, DM17b, GMS16, MZTS16, VBL+16, ABFR16, BDMC15, BDKK17, EL17, Fal16, GKMS17, GJ18, GL17, HLL+18, LB15, Loh17, LY15c, OS16, PP18b, RO16, RBD17, WN17]. tensor-based [OS16]. Tensor-product [DM17b, PP18b]. Tensor-Train [CRZ17, GKM17, GJ18]. tensors [LBTCG16]. term [ATZ16, ADOP18, BZ15, BT16, FRW16, GZY16, JLLZ15, MDP+15, NL17, Tow18, WYA+17b]. terminal [Die15]. terms [DMMB15, EG17, FSWW17, HS18b, LVTR15, NMM16, SL16c, VAT17].

texturally [GHP15]. th [LHS+18]. their
[Beg15, DLC15, FFW17, HKH+16, JL15, LIW18, MKYZ17, WX17].
theoretic [LSWF16]. Theoretical [VPM15]. theories [MGKG17]. Theory
[CDC17, DG16c, KHP15, KADE15, KADE17, LLL16, ADFG17, AKZ16,
BEJ15, LWLC17, LW17d, MW16b, NGY+17, OLD+16, OLB+17, RXSG15,
RX16, SDA17, Sto16, XZT18, ZLH+17, GS16]. Thermal
[ST15, AABD15, BGJ+15, CBN+16, DPW+15, FST15, HGN17a, HGN17b,
HCW15, LMIH16, Lap16, LNM15, MRM16, PBA+15, SSC+16, SKO18,
SSM15, SS17c, TWM18, WSY16, XZT18, YYY+16]. thermal-fluid
[YYY+16]. thermal-hydraulics [CBN+16, SSC+16].
thermal-nonequilibrium [SKO18]. thermal-solute [BGJ+15]. thermally
[BBMN18, HM17]. thermo [LMC16, MBJ16, MBNJ16]. thermo-acoustic
[MBJ16, MBNJ16]. thermo-mechanical [LMC16]. thermoacoustic
[AMJ17]. thermocapillary [LZ15b]. thermochemical [MPP15].
thermodynamic [DZ18, LB17]. Thermodynamical [LW17b].
Thermodynamically [KS18b, Don18]. thermodynamically-consistent
[Don18]. thermodynamics [AZK16]. thermomechanical [Heu17].
thermostats [Dav10, Dav15, LS16a]. thermoviscous [DS18]. thick
[BP16, SP16a, SMA+16]. thickness [DGHP17, dTP16]. Thin
[Pes15, AASRT17, AJP15, DGH15, GLS15, GC17, JTR16, KHP15, LB+15,
MK15, QY15, SF16a, Xia15]. Thin-film [Pes15]. thin-walled [FL15].
THINC [LH17b, QWX18, XX17]. Third [CHY16, GZY16, HW16b,
WKPS18, CC15, CHJT17, MN15, NL17, PX16, VK16, ZLFW18, ZQ17].
Third-order
[GZY16, HW16b, WKPS18, CHJT17, MN15, NL17, PX16, VK16, ZLFW18].
Three [AEL+15b, Bal15, BGJ+15, GS15a, LMSK17, ABI17, AB16b, APT17,
AJW17, BHST18, BKP16, BOA17, CWF16, CC15, CP16, CZJ17, CB18b,
CGRV17, CM18d, DS15a, DS15b, DvW15b, FB17, FST15, FPDT17,
GGL+17, HN17a, DSG15, IM15, JGS16, KF15, KA15, KCW17, KSVB18,
KS15b, LGO17, MHL17, PHHR17, PCN15a, PCN15b, PR16b, RVZ15b,
RG15, RDG17, RKRG17, Rod18, SVL18, SHKL16, ST16, SSA17,
TD16a, TS+18, Tre16, Vec16, VCNOP18, WSY15, WHY17, YSW15, ZL15a,
ZY16, ZW16, ZCL17, ZL15c]. three-component [STW16].
Three-dimensional
[AEL+15b, LMSK17, AB16b, APT17, BOA17, CP16,
CJ17, DvW15b, FPDT17, GGL+17, IDS15, IM15, JGS16, KF15, KCW17,
KS15b, LGO17, MHL17, PCN15a, PCN15b, PR16b, RG15, RDG17,
RKRG17, Rod18, SVL18, SSA17, TD16a, TS+18, Tre16, VCNOP18,
WSY15, WHY17, YSW15, ZL15a, ZY16, ZW16, 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]. threshold [EJZ17, XWW17].
thresholding [WLWW17]. through-flow [YTW15]. Through-the-wall
[CW16, CW17]. TI [bWAW15]. tight [PD16b, YZT+18]. tight-binding
[PD16b]. tightly [TPT16, TT17b, TSN16]. tightly-coupled
tiling

Time

Time-accurate

Time-dependent

time-differencing

time-domain

time-integration

time-integrator

time-marching

time-parallel

time-space

time-stepping

timescales

toeplitz

toeplitz-like

tokamak

tomography

topography
[LDHJ15, Par17]. **topologically** [LWC17]. **Topology** [CWWZ17, MKV+17, NSL16, QDBR15, YYY+16, DK18a, DK18b, GMA18, LSD+17]. **tori** [ZYW16]. **toroidal** [OC18, RKH15]. **torques** [NJPB17]. **Torrey** [BTWY15, ZBZT17]. **Total** [HW16b, BKL17, DLMV18, HW15c, ZC15]. **trace** [OKE17, WLK+16]. **tracer** [BKKJ17]. **tracers** [HM17]. **traces** [ABT17, BKL17, DLMDV18, HW15c, ZC15]. **trace** [OKE17, WLK+16]. **tracer** [BKKJ17]. **tracers** [HM17]. **traces** [ABT17, HLL+16, ZND16]. **tracing** [DC18a, JH15]. **traction** [FRL15, LXC+15, MS17]. **traffic** [HY17]. **Train** [CRZ17, GMS16, GKMS17, GJ18, MZTS16]. **trajectories** [LDHJ15]. **Trajectory** [TD16b]. **transcendents** [FFW17]. **transcritical** [KTN15, LMPS15, MLI17, RVK+18]. **transfer** [BJRF18, CML18, DPW+15, FB15, FRY+18, HG17, Her16, HDA+18, ION+17, JL17c, LFRH17, MMR16, MBHS17, MT15, PLC18, STK+16, ST15, Sla16, SJX15, SJX15, SJX17, VBG16, WSP17, WB17, WED15, YK15]. **transform** [GZY16, IKe18, JB15, YXX+16, GKE15]. **transformation** [HP16, KM17, LP17a, MOAA15, PX15, VDP15]. **transformations** [BG16b]. **transformed** [SV17]. **transforms** [BSK15, Gno17, Str18]. **transient** [BLVC17, BPTA16, CP16, LSR16, MOAA15, Noe15, SK15b, UWH17, YG18]. **transistors** [HCW15]. **Transition** [ABG+18b, BKG15, FMRZ17, GLZ16, GZ18, HHH17, LS16c, RZ15, YR15]. **transitional** [BS15a, FNP17, XWZ+18]. **transitions** [LJZ15, PFK15]. **translational** [BKP16, WYLX17]. **Transmission** [SCS16, BHMS18, DCA+16, DJV+18, DGL+15, HK18b, HSSZ16, JHPAT17, NL15b, SC15b, XJG16]. **Transmission-line** [SCS16]. **Transparent** [PE16b, Vai15, BNS17]. **Transport** [BCST17, SBY16, AA16, AEVW18, ADK+17, BHdD18, BIR18, BBKS18, BTA17, BKKJ17, BGC+15, BRW15, BKR15, CPT16, CLI1, CLY+15, CSL15, CSK+16, CK16b, CGGH17, DAO17, DS15d, EG18b, FL16, GMP16, GBD+15, GW16, HR18a, HR18b, Hiv18, HL16b, HW15b, JSV17, JXZ15, KM16a, KFL17, KL15, KBG+15, KGP+17, KLGO18, LMH16, LTKA15, LLS15, LT15, LBZ16, LKSM17, Loh17, MG15b, Msl18, MXL16, MP15b, Moe17, OML16, OWKE16, PJE+16, PHRA16, PGM17, PHA+15, PDR17, RFGSV15, RMC15, RL18, Sch16a, Sch16b, SWS+18, SWG+17, SW18a, SFT16, SWMD17a, SWMD17b, SU15, SM15, Spe15, TW18, TSB+18, TFS17, VTS16, WWR16, WB17, WKOI17, WBB16, XCC17, YB17, YZ15b, ZHA17b, ZHWQ18, ZM16b, ZCL17, vKK16]. **transport-velocity** [ZAI+17b]. **transported** [Ger17]. **transpose** [ZD15a, CGJ16]. **transpose-free** [ZD15a]. **transverse** [DV17, ZZZ+16]. **Trapezoidal** [AHKT17]. **traveling** [Yas17]. **traveltime** [bWAW15]. **Treating** [BLVC17]. **Treatment** [CNG99, CB18a, CNG17, CLL17, DDJ18, HL15a, KPKG15, LFRH17, LS15b, LBZ16, MF17, MLB16, OvdHVH16, PSV18, SML15, TL15, TTN+16, Zha16]. **treatments** [HY16]. **Tree** [JdR+18, HS17b, KDPK15, MGBG16]. **tree-based** [MGBG16]. **treecode**
treecode-accelerated [CG18]. Trefftz [BBF17, LK16a]. trends [PSMPG17]. tri [KN15]. tri-diagonal [KNS15]. Trial [RSSSE18].
triangular [Bar18, BDZ15, CHY16, CLFL17, GK18, HLL16, KNS15, KD17b, LTXB17, LAEK18, MN15, Pas16, QDH15, XP15, ZLFW18, ZPW18].
Truncation [GR15, Hwa16, ZFZL15]. triangular [Bar18, BDZ15, CHY16, CLFL17, GK18, HLL16, KNS15, KD17b, LTXB17, LAEK18, MN15, Pas16, QDH15, XP15, ZLFW18, ZPW18].

[CG18] [CG18]. Tucker [LMGG17]. tumor [LTWZ18, TT17a]. tumour [dlCGCA17]. tunable [LWY17]. tune [Ant17]. tunneling [DS15d, HCW15].
turbines [CGSS18, MBST17]. turbomachinery [dLDG15]. turbulence [BPM18, CGSS18, CM18a, HK15a, JYY18, KH15, KYPK15, LT17a, MAH16, MSP15, MMPS17, OMYvdP15, SSO15, TBC16, WN17, WMM16, WYS16].
turbulent [BBKS16, BS15a, BKG15, BFTVC18, CCBdL15, CL16, CV16a, ESA16, FWK18, FN17, FMPT18, FBM16, KYUO15, KTN15, KCS17, KFKW17, KM15, LE16, LB17, LMHB18, LDHJ15, MM16a, MP17, MRK15, OVP15, PM16, PGGW18, PEVG18, PWP15, RWG18, SWS18, SK18, TKP16, UG16, WG16a, WMYG16, WSN15, XWL16].

Two [CHCC18, JSY15, LEB17, RMA17, SAH17, Vab18, ACR15, AASRT17, AA16, Ama15, ACJ17, Ani16, ADOP18, BHO18, BAGK16, BVG16, BHJ18, BX17, BGN15, BH18, BAVC17, BLS16, BHMS16, BTWY16, BKKR16, CPT16, CDM18, CS16a, CGK17, CLZ18, CCZ15, CS18b, CS17b, CG16, CM18c, CLMZ17, CYW17, DSI5a, DSI5b, DG18, DCA16, DLM18, DGMT17, DG16c, DL17, DV16, DL18c, EDvW17, FR18, FGL16, FS16, FS17a, GZ17, GN16, HHA15, HTFL18, HN17a, HLML17, HM16b, HTMP17, HC17, HTBG15, ID17, IGG15, JPLL15, JS16, JS17, JJ18b, KJ17a, KVS17, KS16c, KS18b, LTVR15, LW18, LPGT16, LMC16, LPR18, LTZ17, ILLNS16, ILNS17, LSD17, LD15, LSTkM15, LG16, MNG15a, MDFM17, MDP18, Mu18, Ni16, PXL16, PXL16, PR16a, PAL16, PS14, PS15a, PGM17, PV15, QYF15, RWG18].
two [RV16, RTG15, RZ15, SG18, SHLG15, SHA16, SRBB18, SYM17, SX15, SW17, SJH15, SLZ17, SG17, Szu18, TH18, TSH17, TND18, TT16, TBO16, UWH17, VNA15, VSM16b, WRL16b, WE17, WHE17, WWKG17, WG15, WKS15, XSL18, XZT18, YSY17, YM17b, ZMF15, ZLL16a, ZZ17b, ZBZT17, dJRP16, tEDKT17]. two-channel [DG16c]. two-component [GZ17]. Two-dimensional [JSY15, LEB17, ADOP18, BVG16, BLS16, BTWY15, CLZ18, CLMZ17, CYW17, DCA16, EDvW17, FS17a, HTFL18, IGG15, LPR18, ILLNS16, ILNS17, LD15, MDFM17, PXRS17, SG18, SX15, SW17, SLZ17, TSH17, TBO16, VNA15, VSM16b, WRL16b, WE17, WHE17, ZMF15, ZLL16a, ZBZT17]. two-field [CS16a, XZT18]. two-fluid [AA16, Ama15, BAGK16, LGH16, Niu16, RTG15, SJH15]. two-group [ACJ17]. two-group [JPLL15]. two-layer [CS18b, PM16]. Two-level [Vab18]. two-miscible-layer [SHLG15]. two-node [JPLL15, SGP17b].
two-particle [PSV18]. two-phase
[ACGR15, AASRT17, Ani16, BGN15, BAVC17, BHMS18, BKKRB16,
CDM18, CGK17, CS17b, CG16, DG18, DGMT17, FGL16, HHA15, HTMP17,
HTBG15, JS16, JS17, JI18b, KJ17a, KS16c, KS18b, LVTR15, LW18,
LPGT16, LSD+17, LGDH16, MNG15a, MDP18, PL18, PSB+18, PS14,
PS15a, PGM17, RWG18, RV16, RZ15, SHA16, SRBB18, Suz18, TH18,
TND18, TT16, WKS15, XSL18, YSY17, ZZ17b, dJR+15, tEDKT17].
Two-scale [SAH17, CPT16, LMC16]. two-sided [SYM17].
two-species [CCZ15].
two-stage [BJO18, DL18c, LST17, PL18]. two-step
[BH18, HC17]. two-way [HM16b, ID17, Mue18, PAL+16, QYF15].
type
[AAG16, AJP15, ADOP18, BDZ15, BTVC16, CC17b, sCYxL+18, DG16a,
DL18c, HHY15, LDGH16, LHQ16, MDP+15, RMI15, Rod17, SY16, Spe15,
WB16, XLL+17, YZW+18, ZHS18, SW17a, SKO17].
Uehling [PSV18, Yan17]. Uhlenbeck [PSV18, Yan17].
ULPH [TL17].
ultra [CKT17, DLN15, ION+17]. ultra-relativistic [CKT17, ION+17].
ultrasound [HTBG15]. un-split [MMB18]. unaveraged [ALM15].
unbounded [BNM15, BLS16, CLC16, FH17, GWC18, KADE15, KADE17,
LZ16, LC16, NGY+17, SHW18]. unbounded-periodic [SHW18].
Uncertain [LSS16, BC18a, FDKI17]. uncertainties [AZK16, XWW+16].
Uncertainty [CZB15, GS18, SS17b, AKZ16, AÁPB17, BHS+18, BHJ15,
CC17a, CE18, CQ15, CEL15, DH18b, EH14, EH15, FC16, HAPK15, HJ16,
IPSG15, JS17, KRBW17, KSV+15, KBK15b, LS15c, LLL16, LSD18, MS16b,
MSS16, FE15, RMI15, RS17, TT17a, TBG16, WL16, WTX17, XS15, ZZ18,
vdBK17, MBN16]. uncertainty-based [FC16]. Unconditionally
[GGT18, SSL17, Tavl, WSF17, BC16c, GX15, HW15a, WCC16, Yan16b,
YH17]. unconfined [ST16]. under-resolved
[FWK18, Kim15, KCS+17, MSP15, MMP17, WMM+18]. undergoing
[GLS15]. underlying [ATF16]. under-resolved [FBM16]. Uneven [Fal15].
Uneven-order [Fal15]. unfitted [ZSX17]. uniaxial [MDT16].
unidimensional [Heu17]. unification [Sid18].
Unified [PCBG18, WYLX17, AG16, BT15, CX15, DPRZ16, DPRZ17, GSW16,
BG15, GL16b, LLFX18, LSC16, PLWJ16, SJX15, SJXX15, SX17, XCS16,
ZXX16]. Uniform [An17, AB16a, CLMZ17, FL18, LB15, LVC16, PL16b, SS16b,
SYM17, WR15, XDSX17]. Uniformly
[CLMZ17, LN15, BZ16a, LAA16, XQ17]. uniquely [HW15a, WDGW17].
unit [DJV+18, WC18]. Units [GP18]. Universal [TKB+15]. unknown
[RZ18, WL18]. unresolved [BLG+16]. Unsplit
[BP18, CSH15, FGL16, OD17]. unstable [SWML17]. untagged
[MM16b]. unsteady [ALO18, ACS16, ALL18, BK17a, BFT17, CPS17,
CLP16b, Fid17, Kuy15, KA18, Lert, Ler15, LLWJ18, LHMB18, MN18a,
MS16b, MDP+15, MC16, MC17, NDCB17, NTL16, PTT18, RDG17,
RPC+18, SPP+16a, SDM+17, Tou18, VPM15, VWV17, YL16, Yi18].
Unstructured [ACS16, Har18, SCS16, AAE17, AEL+17, AG18, BD15a,
BD15b, BT16, BDZ15, BD17, BDLM18, BHTT17, CBC+18, CGK17, CHY16, CSN17, CLTX15, CCM17, CLP16b, DrW15b, DL16, DMTB15, EdvW17, FP16, GK18, Hu17, IZ18, Ism15, IM15, IM17b, JBO15, KEJ18, KC17c, Kor17, KSI17, KS17, LLD+16, LMG15, LLP+16, LAL18, LL16b, LJ16, MHGM+15, MF16a, ML16, MM17, NOM+17, NYNYM15, Nis15, Nis18a, PX16, Pxs17, PL16a, PM16, PN17, PBC+17, RSD17, SSX16, Stü17, SJX17, SZZ15, TD16a, TD17, TD18, TLB+18, Tso18, VST16, VN15, WLM15, WRL16a, WRL16b, WRPL17, WWGK17, WRL18, XX16, XDSX17, XX17, XL16, XWZ+18, ZCHS15, ZZZ17, ZPW18, ZDL17, dLDG+18].

unstructured-mesh [KS17, SZS15]. updated [TL17]. updating [PDdG+17]. upscaling [CEL+18b]. Upwind [FRRV16, AGBL15, ABH18, CKK18b, Fan16, HC18a, LMK15, LAEK18, Mat17, MO18b, YFJ18].

upwinding [Sub18]. 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, BC5K17, BJRF18, BCST17, BD15a, BK17b, BST+18, BJ15, BDKK17, BNK18, BAVC17, BL16, BRW15, CR17, Cap18, CBS18, CI17, CC17b, CE18, CB15, C17, CWWZ17, CCK+18, CRMP16, C1L17, C1L18a, CSK+16, CLM15, CV16b, CLP16b, CCGH17, DD17a, DD15, DG16a, DSH+16, DJV+18, DPO16, DC18a, DMS17, Dod17, Dom18, EST17, EEE+15, Eva18, EdvW17, F17, FGLB16, FBM16, FSP16, FRRV16, FN17, FCY+18, F15, Gam15, GBvZ16, GWC17, GS18, GGL+17, Gno17, GVR18, GRS15, GBS15, GSN17, HED+16, HB16, HLL+16, HX16, HW16a, HU18, HLQ16, HLL+18, Hwe15, JW15a, JES15, JL18a, JL18b, JW16, KAR17, KW15b, KK17a, KZ15, KP15b, KDPK15, KSI17, LMH16, LT16a, LDK17]. using [LPG18, LWLC17, LT17a, LMBZ15, LSR16, LC17b, LT17b, LV18, LMG17, LS16, LBB+17, MBIS15, MM16b, MNG15a, MG15b, MPP15, MTJ18, MCG16, MBF18, MSP15, MSB+16, MM18, MC17, NMM17, NCP+17, NLK+15, NSL16, Nor15, OLHD17, OKE17, PK17, PPCK17, PD16a, PKLS17, PR16a, PGGW18, PS15b, PF15, PD16b, QLF16, RPK17a, RPK17b, RC18, RS17, RBGV15, RVK+18, RPL+18, RPC+18, SGP17a, SSVL18, SSS17b, SAK18, SRBB18, SW18a, SPB18, SFT16, SWMD17a, SWMD17b, SCQP16, STW16, SLL17, SDM+17, SW18b, SWHS16, SC16, SG16, SHP+16, SS17c, SD18, TK12, TK15b, TND18, TVB+16, Tou18, TO15, TML15, VLAB18, VSM17, VBL+16, VLN+18, WWR17, WBB16, WS15a, WF17, XL17a, XDSX17, XP15, YY+16, YSC+17, YCPD15, YXF+16, Yan17, YL16, YC16, ZS16, ZB15, ZD17, ZJ18, ZZPH18b, ZZZ18a, ZNZ15]. using [aKT16, dPSS16, dAC17, vBDK17]. utility [VVWV17]. Uzawa [WSF17].

v [CBA17, TCS16a]. vacuum [CS15, NOM+17, SR18]. valid [RKO17a]. Validation [ION+17, SMA+16, FO15, GPS17a, G15, MML17, MPP15, PT17b, SHP+16, SS17c]. validity [JG15]. value [DBB18, DGHP17, Die15,
DZC16, KADE15, PHHR17, PGH15, WZ15, WL18, XM18, ZG18]. valued [LM15d, Tav15, WF17]. vanishing [MK17, MSP16]. vapor [BG16b, DD15, FMRZ17]. VAR [FDS+15]. Variable [CWL+16, SHP+16, ABT16, Ata15, BFNG18, BTT18, Cui15, EJMI18, EMSS17, HW18, JL18b, MS16a, Ni16, PPK17, RRI18, Ran18, SP15a, SAK18, SXY18, SK18, TSH17, TPB16, WZ15, WW17, WKPS18, WSF17, YY17, ZK15, ZsK15]. Variable-coefficient [WZ15, WW17]. variable-density [EJMI18, SP15a]. Variable-order [CWL+16, TSH17]. variable-separation [JL18b]. variables [GMLD18, Kla15, LK16b, MTJ18, ABT16, Ata15, BFNGDNR18, BTT18, Cui15, EJMI18, EMSS17, HW18, JL18b, MS16a, Ni16, PPK17, RRI18, Ran18, SP15a, SAK18, SXY18, SK18, TSH17, TPB16, WZ15, WW17, WKPS18, WSF17, YY17, ZK15, ZsK15]. variable-coefficient [WZ15, WW17]. variable-density [EJMI18, SP15a]. Variable-order [CWL+16, TSH17]. variable-separation [JL18b]. variables [GMLD18, Kla15, LK16b, MTJ18, ABT16, Ata15, BFNGDNR18, BTT18, Cui15, EJMI18, EMSS17, HW18, JL18b, MS16a, Ni16, PPK17, RRI18, Ran18, SP15a, SAK18, SXY18, SK18, TSH17, TPB16, WZ15, WW17, WKPS18, WSF17, YY17, ZK15, ZsK15]. variable-coefficient [WZ15, WW17]. variable-density [EJMI18, SP15a]. Variable-order [CWL+16, TSH17]. variable-separation [JL18b]. variables [GMLD18, Kla15, LK16b, MTJ18, ABT16, Ata15, BFNGDNR18, BTT18, Cui15, EJMI18, EMSS17, HW18, JL18b, MS16a, Ni16, PPK17, RRI18, Ran18, SP15a, SAK18, SXY18, SK18, TSH17, TPB16, WZ15, WW17, WKPS18, WSF17, YY17, ZK15, ZsK15]. variance [BBKS18, GAJ15, MWD16, NW15, CCL16, KM17, VCNGP15]. Variance-reduced [MWD16]. variant [GBU15, ZD15a]. variate [FDKI17, SWHK15]. Variation [SIX16, BKL17, DLMV18, ZC15]. Variational [Kou16, KTG16, P¨O17, WRPL17, ZC15, ZSX17, ADP+17, CZBC+18, CZB15, EBQ15, EE16, FPDT17, FG18, FLDL17, FPV18, GAN+16, GS15c, GM16, GWE+15, HKKP16, HK15b, JJ17, JJ15a, JJ15b, KR17, LWLC17, LWL17, LJJJ18, MCN18, MPR+18, R15, RS16a, RWG18, SWML17, SD17, SSO+15, SWH16, SSM15, YGEM17, YSY17, ZS16]. variance [GS18, WT16]. various [BMT16]. varying [GDFL17, NHM17, NSK+16, RO17, SKF16]. vascular [BFI+16]. Vector [KBR17, BMT16, BGG15, CLW18, CJL16, CX16, GKE15, HN18, Moc17, SE15, Tav15, WF17, YTW15]. vector-potential [CX16]. vector-valued [Tav15, WF17]. Velocity [VBR17, BMT16, BGG15, CLW18, CJL16, CX16, GKE15, HN18, Moc17, SE15, Tav15, WF17]. velocity-correction [VBR17]. velocity-decomposition [MBST17]. velocity-vorticity [VBR17]. Venant [LAEK18]. VERA [TCS+16]. verifiability [GS15c]. Verification [WEG16, DDJ17, EKV+16, RWK16, VGB16, VGZ18]. Versatile [SUR18, AMS17, TBC+16]. version [HZ15]. version/ [HZ15]. versus [MM16a, MZTS16, PR17a]. vertex [AGB15, MMB18, MF16a, ZSW17]. vertex-centered [ZSW17]. vertex-discontinuous-Galerkin [MF16a]. Very [YSC+17, YP17, CK16a, Mue18]. very [GS18, HXB15, Lap16, NMM15, PP18b]. Vesicle [HLY16, BLJ17, CJKY15, GGT18, KQB18, PZNG15, QB16, SHKL16, Vee16, Vog17]. vesicles [RVZB15, TBLJ15]. vessel [ABT16]. vessels [Gam15]. via [ALMJ15, BJZG15, VMM+18, BMP18, BLK15, CW16, CHZ16, CMW16, DLY17, EFHZ17, FPDT17, HKL18, HMGR16, Ite18, KM16, KR17, KW16, LM15b, LM15c, MPR+18, NHA18, PK16, PHD16, PR16c, R¨OS16, RTV17, RBD17, SW15, TG17, VST16, ZZ17b]. vibrating [ZMF15]. vibration [BP12b, CB16, PZ15, ZC18, ZBZ+18]. vibrational [BHJ15, CVG18, WYTX17]. vibroacoustic [BC18a, TP17]. view [AJP15, Par15, St¨u15]. virtual [BBB+16, CWW17, PJC16, TTN+16, TCS+16]. viscoelastic
viscoelasticity [YPK16]. viscoplastic [FNGV18, LEB+17]. viscoresistive [HdBH+16]. viscosities [BR15a, YY17]. viscosity [CM18a, CWS18, CJD+17, DRM15, FB17, FRRV16, HIN+16, LWB+16, MK17, MCN18, MG15b, MSP16, RVZB15, Rod17, Rod18, SHP+16, TLM+18]. Visco

[CC15, GSS15b, HMS17, LHMB16, MOAA15, MS18c, MLB16].
Waals [PSS17]. wake [PEVG18]. Wakefield [MAM16, YXD+16].
wakefields [RMLvR18]. Walk [HHK15, ADHN15, BSP18, KC17b, MS15a, RFGSV15]. Walk-on-Spheres [HHK15].
walks [NHA18]. Wall [Don17, CW16, CW17, CV15, HL15a, HH15, MS17, NL15, PM16, PCN15b, Stü15, SGP17b, VM15].
Wasserstein [CCWY18]. Water [NMM17, NMM18, SP16a, TK16, TM17, ABT16, BC18b, BFGNDNR18, BHGK18, CV17, Cap18, CS18b, CSL15, CLB+16, CE17, CSCM16, CK16a, CD17, DA17, DMTB15, EL18, EKEB16, FS17a, GP16a, GIF18, GCVMK15, JJS15, LMP15, LPG18, LDW15, LMKS15, LY16c, LMSK17, MBDF17, Mue18, NMM15, DM18, RW15b, Ric15, SMSR18, SD16, TC15b, TSB+18, VST16, WWGK17, WG15, WBM+15b, YM17b, ZA15a, ZED15]. Wave [Luc15, MT17, PS15b, AMN18, ABP+16, AMJ17, An17, ABH18, ADOP18, BJ018, BHJ18, BMN15, BDBEE15, BH18, BGGM15, BTT18, CZW17, CGMH18, CSG17, CLQ17, DCA+16, DWG+18, DL18a, DKK15, FS16, FKR16, GFG+15, GH17a, GFC18, GKNA17, GP16b, HK15a, HSC16, HXB15, KS18a, KAGR18, KLRT15, LC18, LHB16, LC17a, LWY18, LGB16, LT316, LY16c, LK16a, LLM17, LQB16, MD17, MSS16, MFB18, Mue18, MSH+15, MH17, PDdG+17, POSB16, RM16, RSH+17, SSL17, ST16, SCN+17, SS17a, SF18a, SM16, SZF15, Ter18, TM15a, VSDW18, WM18, WLV+18, WLE17, WSOW16, XYPT16, YYS17, YLA15, ZZZ17, ZHS18, ZZW+16, ZWR16, DJV+18]. wave-based [AMJ17, LGB16]. wave-current [WM18]. Wave-diffusion [Luc15]. wave-equation [LWWY18]. wave-in-cell [TM15a]. wavefield [LTXB17]. Waveform [NGS16, BFP18, MKYZ17, PKN17]. waveguides [GT18, RMLvR18, Tre16]. Wavelet [BDV17, DLK17, CWL+16, CYW17, GBD+15, LAK+16, Moh15, NVB15]. Wavelet-based [DLK17, GBD15, Moh15]. Wavelets [MVK15, ABP+16, SWH16]. wavenumber [LN15]. waves [CGSS18, CDX+18, DBD+17, DZR18, DK18a, DK18b, DwW15a, DZ16, DDI+18, DHC16, EKEB16, FS17a, GBS15, GP16c, HN17a, Hu17, HTBG15, IG15, IML15, LC18, LW16, MDW18, MC17, OLHD17, PKN17, PS14, PS15a, SZW+16, SS17c, SMSR18, SS17c, SWZ17, TLB+18, VAD17, VK15, WMY16, WTL17, XJG18, XYPT16, YSC+17, ZD17, ZED15, vOMB17]. way [HM16b, ID17, Mue18, PAL+16, QF15, SL616, Ter18, TP17, TC15c]. Weak [KML18, Svä15, Fal16, FG18, KLC18, LY18, LW18, MWYZ16, SD17, WYZ18]. weak-constraint [SD17]. weak-coupling [KLC18]. weakly-ionized [PMS15]. weakly-ionized [PMS15]. Weak [LJ16, DM18, ZPW18, ZNX15, FBL17, GSN17, HWA15, KKI17b, LPW15, LZZS15, OKWE17, WL17, YL16, ZQ17]. Weighted-least-squares [LJ16]. Well [CV17, CCK+18, IG15, JWH16].
REFERENCES

LX18, LMKS15, LAEK18, NL18b, AASPT18, ABT16, DVP+16, FNGDMNR18, MDBCF17, NMM18, PN17, PND16, SO17, XCX17.

**Well-balanced** [CCK+18, LX18, LMKS15, LAEK18, AASPT18, ABT16, FNGDMNR18, MDBCF17, NMM18, PN17, XCX17].

**Well-conditioned** [JWH16, SO17]. well-driven [DVP+16]. Well-posed [NL18b, PND16].

**Well-posedness** [IG15].

**Wendroff** [DDJ18, DL18c, FLW16, Heu17, LFT+16]. WENO
[Sid18, AdRBC16, BGS16, BK16a, Bre17, CLTX15, CGJ16, DLK17, DS15d, DL18b, GGL+17, HAH16, HC18a, HC18b, Jac17b, JZ16, LX16, NF17, Nor15, PS16, Slu16, TLQ15, TLQ16, WDS15, WLGD18, WT15, ZQ16a, ZSQ17, ZQ16b, ZS17, dFJN16, vLtTBI17]. WENO-based [CGJ16]. WENO-solver [DS15d].

**WENO-Z** [AdRBC16, WLGD18]. Westervelt [SK15a].

**WENO-based** [CGJ16].

**WENO-solver** [DS15d].

**Westervelt** [SK15a].

**Wet** [LAEK18].

**Wet/dry** [LAEK18].

**Wetting** [ABT16, HSB16, LGD17, PKB15, Pes15, XWW17].

**Wetting-drying** [ABT16]. Wheeler [JdR+18]. white [CHLZ17]. Whitney [KSVB18].

**Whole** [BMRA+15, ANL+16, MJ16, NCP+17]. wide [SY18b]. widest [DBD+17]. Wiener [TG17]. Wigner [DS15d, FSM16, SD15, SS15b, VSM17].


**X** [NLK+15, WSU+15]. X-ray [NLK+15]. XAVM [RWG18]. Xeon [SGL18].

**xylose** [ASB+15].

**Yang** [HK16a, AZ15b]. Yee [DPO16, NT16, dSPDH15]. yield [LK17, LEB+17]. Yin [AZ16, HK16a, ZA15b]. Yuan [YY16].

**Z** [AdRBC16, WLGD18, WRL18]. Z-pinch [WRL18]. Zadeh [HSK+15].


References

REFERENCES


REFERENCES


Alinovi:2018:BEM


Argaud:2018:SPN


Amore:2016:HOE


Abushaikha:2015:ICV

REFERENCES

Abgrall:2016:E


Abgrall:2018:GFC


Afkhami:2018:TNM


Arias:2018:PEI


Angel:2018:HOU

Abdulle:2017:TSO


Ahlfeld:2016:SSA


Akhmetgaliyev:2015:BIA


Adam:2016:AHW


Antoine:2016:HOI

REFERENCES


REFERENCES


REFERENCES


Angstmann:2016:SPN


Angstmann:2015:DTR


Anderson:2017:HOL


Audusse:2018:AMG

REFERENCES


Ahmed:2015:TDC


Ahmed:2017:CMF


Akkutlu:2018:MMR


Alizadehrad:2018:SDP


Abdi:2016:ECU

Daniel S. Abdi and Francis X. Giraldo. Efficient construction of unified continuous and discontinuous Galerkin for-


REFERENCES


REFERENCES


Algar:2017:EHT


Asthana:2015:NLS


Alauzet:2018:TAM


Antoine:2017:ESC


Auclair:2017:INM


REFERENCES


REFERENCES


REFERENCES


Anonymous:2015:Cx


Anonymous:2015:Cy


Anonymous:2015:Cz


Anonymous:2015:Caa


Anonymous:2015:Cab


Anonymous:2015:Cac


Anonymous:2015:Cad

Anonymous:2015:Cae


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Anonymous:2015:Cag


Anonymous:2015:Cah


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Anonymous:2015:Caj


Anonymous:2015:Cak

REFERENCES


REFERENCES


REFERENCES


REFERENCES

Anonymous:2016:Cv

Anonymous:2016:Cw

Anonymous:2016:Cx

Anonymous:2016:Cy

Anonymous:2016:Cz

Anonymous:2016:Caa

Anonymous:2016:Cab
Anonymous:2016:Cac


Anonymous:2016:Cad


Anonymous:2016:Cae


Anonymous:2016:Caf


Anonymous:2016:Cag


Anonymous:2016:Cah


Anonymous:2016:Cai

REFERENCES


REFERENCES


REFERENCES

Anonymous:2016:CCc


Anonymous:2016:CCd


Anonymous:2016:CCg


Anonymous:2017:Ca


Anonymous:2017:Cb


Anonymous:2017:Cc


Anonymous:2017:Cd

REFERENCES


Anonymous: 2017:Cl

Anonymous: 2017:Cm

Anonymous: 2017:Cn

Anonymous: 2017:Co

Anonymous: 2017:Cp

Anonymous: 2017:Cq

Anonymous: 2017:Cr
REFERENCES


Anonymous:2017:Cao


Anonymous:2017:Cap


Anonymous:2017:Car


Anonymous:2017:Cas


Anonymous:2017:Cat


Anonymous:2017:CCa

REFERENCES


[Ano17-53]


[Ano18a]


[Ano18b]


[Ano18c]


[Ano18d]

REFERENCES

Anonymous:2018:EBb


Anonymous:2018:EBc


Anonymous:2018:EBd


Anonymous:2018:EBe


Anonymous:2018:EBf


Anonymous:2018:EBg

REFERENCES


Anonymous:2018:EBo


Anonymous:2018:EBn


Anonymous:2018:EBp


Anonymous:2018:EBq


Anonymous:2018:EBr


Anonymous:2018:EBs

REFERENCES


Acosta:2015:NMC

Ammar:2017:MTD

Aguerre:2018:OFF

Acebron:2016:MCM

Arjmand:2016:TDA
REFERENCES

155


Ahmadian:2015:TMN


Almanasreh:2013:SFE


Almanasreh:2017:CSF


Anumolu:2018:GAL


Atangana:2015:SCT

Abdon Atangana. On the stability and convergence of the time-fractional variable order telegraph equation. *Journal of


Abushaikha:2017:FIM


Alhubail:2016:SRB


Alhawwary:2018:FAE


Asthana:2017:CRC


Alekseeva:2016:HAR

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

164


Botti:2017:MAB


Balin:2015:BEF


Buchan:2015:PRO


Bokil:2017:ESD


Blanes:2015:EAB

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

Bukac:2015:PSF


Bandara:2015:BEB


Babaee:2017:RBO


Bajars:2017:TPS

REFERENCES


168

Blommaert:2017:PGO


Basic:2018:CRM


Bhrawy:2015:STA


Bao:2017:IBM


Belonosov:2017:ISH

REFERENCES

Benner:2017:FIS


Boscheri:2018:SOC


Besse:2017:AMS


Bandopadhyay:2015:CSP


Bretin:2018:MMC

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


Ballarin:2016:FSP


Bergmann:2018:ZGF


Bonaventura:2018:MSW


Barucq:2018:LSO

REFERENCES


REFERENCES


REFERENCES

Balsara:2016:ECW


Balsara:2018:CEM


Beckstein:2017:ESE


Banks:2016:GDM


Berry:2016:SMC

REFERENCES


REFERENCES


REFERENCES

Bhaduri:2018:SCA

Banks:2017:SPFa

Banks:2017:SPFb

Banks:2018:SPF

Bosma:2017:MFV
Sebastian Bosma, Hadi Hajibeygi, Matei Tene, and Hamdi A. Tchelepi. Multiscale finite volume method for discrete frac-


[BJ16] Jonathan R. Bull and Antony Jameson. Explicit filtering and exact reconstruction of the sub-filter stresses in large eddy sim-
REFERENCES


**Becache:2017:SPM**


**Ba:2018:TSE**


**Badri:2018:HPC**


**Bao:2015:CGS**

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

**Balsara:2016:EVF**


**Birgle:2018:DDM**


**Balsara:2017:MRP**


**Borah:2016:NSO**


**Bennett:2018:MBF**


189

REFERENCES


Bremer:2017:NPF


Brackbill:2016:EMC


Braeunig:2016:REP


Brambley:2016:OFD


Brehm:2017:CBC

REFERENCES

Bremer:2018:ANE


Bunder:2017:GCM


Bao:2018:FBI


Budd:2015:GAM


Bhaumik:2015:NVV

REFERENCES


REFERENCES


REFERENCES


REFERENCES


Biegert:2017:CMG


Berger-Vergiat:2016:PPM


Bodroski:2018:GBI


Blonigan:2018:MSS


Breuer:2018:MRC

 REFERENCES


REFERENCES


[Cacuci:2015:SOAb] Dan G. Cacuci. Second-order adjoint sensitivity analysis methodology (2nd-ASAM) for computing exactly and ef-


REFERENCES

Cinnella:2016:HOI

Chakraborty:2017:EAB

Chalons:2017:NCC

Chen:2017:NEF

Capuano:2015:EPT
REFERENCES

Capuano:2015:ETA


Crockatt:2017:AOF


Cao:2015:IIF


Chacon:2017:MHO


Chertock:2018:WBS


REFERENCES


REFERENCES


Chaillat:2017:TII

Chaillat:2017:FIB

Cances:2016:PMB

Cerroni:2018:PMC

Chertock:2017:APM
Alina Chertock, Pierre Degond, and Jochen Neusser. An asymptotic-preserving method for a relaxation of the Navier–
REFERENCES


P. G. Constantine, M. Emory, J. Larsson, and G. Iaccarino. Exploiting active subspaces to quantify uncertainty in the numerical simulation of the HyShot II scramjet. *Journal of


G. Casas, A. Ferrer, and E. Oñate. Approximating the Basset force by optimizing the method of van Hinsberg et al.


Mathieu Coquerelle and Stéphane Glockner. A fourth-order accurate curvature computation in a level set framework for


[Chalons:2017:ARL] Christophe Chalons, Mathieu Girardin, and Samuel Kokh. An all-regime Lagrange-Projection like scheme for 2D homo-


REFERENCES


Calderer:2018:FSI


Chen:2017:DSM


Chatterjee:2016:NGF


Chan:2018:DEC


Cho:2018:HFL


[Chu17] Sehun Chun. Method of moving frames to solve time-dependent Maxwell’s equations on anisotropic curved surfaces: Applications to invisible cloak and ELF propagation.
REFERENCES


Chen:2016:HAH


Chen:2015:DES


Conroy:2016:HDG


Cotter:2016:EDG


Carvalho:2018:AAC

Camille Carvalho, Shilpa Khatri, and Arnold D. Kim. Asymptotic analysis for close evaluation of layer potentials. *Journal of Computational Physics*, 355(?):327–341, February 15,
Chamarthi:2018:HOU


Cheng:2015:FSE


Chen:2017:SOA


Chapelier:2016:SED


Chen:2017:SMM

Xinjuan Chen and Jinglai Li. A subset multicanonical Monte Carlo method for simulating rare failure events. *Journal of Computational Physics*, 344(??):23–35, September 1,
REFERENCES


[CLGA17] V. Citro, P. Luchini, F. Giannetti, and F. Auteri. Efficient stabilization and acceleration of numerical simulation

Choi:2017:RTU


Connington:2015:IFI


Cui:2016:DIL


Crouseilles:2017:UAP

<table>
<thead>
<tr>
<th>Reference</th>
<th>Title</th>
<th>Journal Name</th>
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<th>ISSN (electronic)</th>
<th>URL</th>
</tr>
</thead>
</table>
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


[CQL+17] Qiang Chen, Hong Qin, Jian Liu, Jianyuan Xiao, Ruili Zhang, Yang He, and Yulei Wang. Canonical symplectic structure and structure-preserving geometric algorithms for Schrödinger–Maxwell systems. Journal of Computational Physics, 349(??):441–452, November 15, 2017. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-
REFERENCES

[CQ16] Xiaofeng Cai, Jianxian Qiu, and Jing-Mei Qiu. A conserva-
tive semi-Lagrangian HWENO method for the Vlasov equa-
tion. *Journal of Computational Physics*, 323(??):95–114, Oc-
tober 15, 2016. CODEN JCTPAH. ISSN 0021-9991 (print),
com/science/article/pii/S0021999116303163.

[CR17] Fioralba Cakoni and Jacob D. Rezac. Direct imaging of small
scatterers using reduced time dependent data. *Journal of
Computational Physics*, 338(??):371–387, June 1, 2017. CO-
DEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-
article/pii/S002199911730164X.

[CRC18] Armando Coco and Giovanni Russo. Second order finite-
difference ghost-point multigrid methods for elliptic prob-
lems with discontinuous coefficients on an arbitrary interface.
*Journal of Computational Physics*, 361(??):299–330, May 15,
2018. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-
science/article/pii/S0021999118300263.

An algorithm for prescribed mean curvature using isogeometric
methods. *Journal of Computational Physics*, 317(??):185–203,
July 15, 2016. CODEN JCTPAH. ISSN 0021-9991 (print),
science/article/pii/S0021999116300444.

[CWRW16] José A. Carrillo, Helene Ranetbauer, and Marie-Therese Wol-
fram. Numerical simulation of nonlinear continuity equa-
tions by evolving diffeomorphisms. *Journal of Computational
Physics*, 327(??):186–202, December 15, 2016. CO-
DEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-
Corona:2017:TTA


Chacon:2016:SFI


Chen:2016:SGR


Chen:2016:EAE


Chen:2017:ESH

Cogswell:2017:SIT


Cheng:2018:ARB


Chiapolino:2018:MMT


Conrad:2015:ANN


Cipcigan:2016:ECG

REFERENCES


Chen:2016:FOF


Charin:2017:MMI


Contarino:2016:JGR


Cui:2015:CES

REFERENCES


Clarke:2018:LND


Cho:2016:NMH


Cusini:2016:ADM


Charnley:2016:TWR


Charnley:2017:LSM


REFERENCES

Chapelier:2018:CVP


Chen:2017:IFM


Chen:2017:TOH


Cui:2016:AAD


Chen:2015:CSA


Cheng:2017:EAN


Cui:2017:HWB


Cheng:2018:ADA


Chen:2016:IMM


Chen:2017:IMM

REFERENCES


[DBD+17] Luca D’Alessandro, Bichoy Bahr, Luca Daniel, Dana Weinstein, and Raffaele Ardito. Shape optimization of solid-air porous phononic crystal slabs with widest full 3D bandgap for in-plane acoustic waves. Journal of Computational Physics, 344(??):465–484, September 1, 2017. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-
REFERENCES

deBrauer:2016:CSC


Duarte:2015:NSD


DelReyFernandez:2017:CCD


Delgado:2018:CRT


Deng:2018:NSD

Xiaogang Deng and Yaming Chen. A novel strategy for deriving high-order stable boundary closures based on global

**Deckers:2016:WBM**


**Dorschner:2015:GAM**


**Dhia:2016:UPM**


**Dorr:2018:HOD**

REFERENCES


Daripa:2017:MSS


Degond:2017:APM


Sarto:2017:MAA


Degond:2017:APP


Dorf:2018:HOF


De:2018:DII


Delzanno:2015:MDF


Duncan:2016:HFS


Diot:2016:IRM


Deparis:2016:FBP

deFigueiredo:2017:BSI


DeFrutos:2016:PMI


Degond:2017:DAH


Dobson:2016:CLA


deFrahan:2015:NLP


REFERENCES


Deng:2018:SCA


Duan:2015:CCS


Duru:2015:BCS


Dobrev:2018:SLC

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

**Dimitriadis:2015:GNL**


**Despres:2015:AMP**


**Dumbser:2016:SRA**


**DiPietro:2017:MAS**


REFERENCES


REFERENCES


Dong:2018:MFI


Drozdov:2017:TME


Deng:2017:ASP


Deimert:2016:CEF


Dumbser:2016:HOA

REFERENCES


REFERENCES

Dai:2015:IDA  

[DS15a]

Dai:2015:SOA  

[DS15b]

Dong:2015:PCS  

[DS15c]

Dorda:2015:WSC  
REFERENCES


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

Denner:2015:NTS


Denner:2015:TDT


Duo:2018:NAF


Derigs:2018:IGM


Derigs:2016:NHO

Dominik Derigs, Andrew R. Winters, Gregor J. Gassner, and Stefanie Walch. A novel high-order, entropy stable,


REFERENCES


REFERENCES


[EFHZ17] Björn Engquist, Christina Frederick, Quyen Huynh, and Haomin Zhou. Seafloor identification in sonar imagery via simulations of Helmholtz equations and discrete optimization. *Journal of Computational Physics*, 338(?):477–492, June 1,
REFERENCES


[Eca:2014:PEN]


[EH14]

[Eca:2015:RCP]


[EH15]

[Endeve:2015:BPD]


[EHXM15]

[Esmaily:2018:SGM]


[EJMI18]
REFERENCES

**Esedoglu:2017:KPS**


**Engsig-Karup:2016:SNS**


**Engels:2015:NSF**


**Eca:2016:CVR**


**Ehrlacher:2017:DAT**


Einkemmer:2015:SAK


Eggl:2018:GBF


Ebersohn:2017:KST


Egerer:2016:EIM


Egger:2017:EFM

REFERENCES


F. Falissard. Uneven-order decentered Shapiro filters for boundary filtering. Journal of Computational Physics, 292(??):168–175, July 1, 2015. CODEN JCTPAH. ISSN 0021-


REFERENCES


Fakhari:2017:DIM


Froio:2016:DOA


Fernandes:2015:AEC


Fortin:2015:MEA

Fakhari:2017:WMR


Flad:2016:SUT


Flyer:2016:EFD


Fusi:2016:ASE


Feng:2017:SNI

REFERENCES


REFERENCES


David Flad and Gregor Gassner. On the use of kinetic energy preserving DG-schemes for large eddy simulation. Journal of Computational Physics, 350(?):782–795, December 1,
REFERENCES


REFERENCES


REFERENCES


Fuentes:2017:CVF


Farrell:2017:CAC


Filippini:2016:FGN


Fujita:2015:DSD


Fu:2016:CCF

REFERENCES

Febres:2018:EFT


Fu:2017:NPM


Foster:2017:SPS


Fernandez:2015:FDT


Fox:2018:CHQ


REFERENCES


REFERENCES

Fornberg:2016:FCL


Fortunato:2016:HOU


Fuster:2018:AMM


Fernandez-Pendas:2016:AMS


Fraggedakis:2017:DTD

REFERENCES


REFERENCES


REFERENCES


Feng:2015:TDL


Feng:2017:PSD


Fernandez:2017:LSS


Failer:2018:ATS


Fehn:2017:SPM

REFERENCES


REFERENCES

**Gross:2018:HFC**


**Gorji:2015:VRF**


**Gambaruto:2015:CHS**


**Ganesan:2015:SID**


**Gagarina:2016:VST**

REFERENCES


REFERENCES


Golbert:2016:CSM


Goffin:2015:GBA


Godoy:2017:DNF


Georges:2016:GCC

REFERENCES

Garain:2015:CCF


Gravenkamp:2015:SEG


Guo:2015:LMC


Gillebaart:2016:ARB


Goza:2017:SCI


Gonzalez-Calderon:2018:AMT


Gerhard:2015:MBG


Guddati:2016:ECT


Ghigo:2017:LSH


Ghoos:2016:ACC

REFERENCES


[GFvR18] Shahnam Gorgizadeh, Thomas Flisgen, and Ursula van Rienen. Eigenmode computation of cavities with per-


Guillen-Gonzalez:2018:UES


Gunther:2017:FSA


Gao:2017:IRS


Guerrier:2017:MMS


Garrett:2015:OLS


REFERENCES


Gorji:2015:FPD


Gorodetsky:2018:GBO


Giuliani:2018:ASL


Gruber:2015:FFT


Gelss:2017:NNI


REFERENCES


REFERENCES


Lionel Gélebart and Franck Ouaki. Filtering material properties to improve FFT-based methods for numerical homogenization. *Journal of Computational Physics*, 294(??):90–95,


REFERENCES


Martin Geier, Andrea Pasquali, and Martin Schönherr. Parametrization of the cumulant lattice Boltzmann method for fourth order accurate diffusion. Part II: Application to


REFERENCES


REFERENCES

Ghosh:2016:HOF


Giovanis:2018:UQC


Gnedin:2018:ECF


Ghaisas:2018:UHO

REFERENCES

Gutierrez-Santacreu:2018:FED


Galagusz:2016:FPM


Greene:2017:DMA


Gao:2015:SCF


Gupta:2015:HLB

REFERENCES


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

**Gong:2017:CFP**


**Gu:2018:IPL**


**Guo:2015:EUE**


**Guo:2017:SIS**


Hu:2015:IGT


Hampton:2015:CSP


Hampton:2018:BAS


Hill:2018:BPI


Haverkort:2016:IFV

REFERENCES


Heuze:2017:LWT


Hosseinverdi:2018:EHO


Hank:2017:MHN


Hampton:2018:PEB


He:2017:SIM

Homsí:2017:CCE


Homsí:2017:CET


Harmon:2016:NAB


He:2018:LSF


Gao:2015:SHO

Guang hua Gao, Hai wei Sun, and Zhi zhong Sun. Some high-order difference schemes for the distributed-order differential equations. Journal of Computational Physics, 298(??):337–359, October 1, 2015. CODEN JCTPAH. ISSN 0021-9991 (print),
REFERENCES


Han:2017:ERR


Harlim:2015:AMC


Huang:2015:CDO


Huang:2016:SOC


Higdon:2015:MTS

Robert L. Higdon. Multiple time scales and pressure forcing in discontinuous Galerkin approximations to layered ocean mod-


REFERENCES


**Held:2015:LBM**


**Huang:2015:GDS**


**Hayashi:2016:YYZ**


**Helsing:2016:DNE**


**Havasi:2018:REL**


REFERENCES


REFERENCES


Hu:2015:HIB


Herrada:2016:NMS


Horwitz:2016:ACS


Hohenegger:2017:FPD


Hoang:2015:CES

Honorio:2018:SEB


Huthmacher:2016:SSM


Hong:2017:HOP


Hong:2017:SHO


Hong:2018:HOP

REFERENCES

Hosseini:2016:RDD

Harker:2015:SEN

Hejranfar:2017:PCB

Helmich-Paris:2016:IMA

Ha:2018:GAS
REFERENCES


[HS17a] Thomas J. Hardin and Christopher A. Schuh. Fast finite element calculation of effective conductivity of random contin-


[HSSZ16]


[HTBG15]


[HTFL18]


[HTMP17]

REFERENCES

high-order simulations of immiscible compressible multi-
material flows. *Journal of Computational Physics*, 333(??):
247–268, March 15, 2017. CODEN JCTPAH. ISSN 0021-
sciencedirect.com/science/article/pii/S0021999116306970

[Hu17] Guanghui Hu. A numerical study of 2D detonation waves
with adaptive finite volume methods on unstructured grids.
*Journal of Computational Physics*, 331(??):297–311, Febru-
ary 15, 2017. CODEN JCTPAH. ISSN 0021-9991 (print),
com/science/article/pii/S0021999116306337.

[HU18] J. S. Hesthaven and S. Ubbiali. Non-intrusive reduced or-
*Journal of Computational Physics*, 363(??):55–78, June 15,
2018. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-
science/article/pii/S0021999118301190.

[Hue15] Maxime Huet. One-dimensional characteristic boundary con-
ditions using nonlinear invariants. *Journal of Compu-
tational Physics*, 283(??):312–328, February 15, 2015. CO-
DEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-
article/pii/S0021999114008183.

[HW15a] Daozhi Han and Xiaoming Wang. A second order in time,
uniquely solvable, unconditionally stable numerical scheme
for Cahn–Hilliard–Navier–Stokes equation. *Journal of Compu-
tational Physics*, 290(??):139–156, June 1, 2015. CO-
DEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-
article/pii/S0021999115001163.

[HW15b] Jingwei Hu and Li Wang. An asymptotic-preserving
scheme for the semiconductor Boltzmann equation to-
ward the energy-transport limit. *Journal of Computa-
REFERENCES


Jizu Huang and Xiao-Ping Wang. A lattice Boltzmann model for multiphase flows with moving contact line and variable den-
REFERENCES

Hu:2015:ELD


Hwang:2016:MMT


Han:2016:IFE


He:2016:NSM


Huang:2015:ARB

Zhu Huang, Jianping Xiao, and John P. Boyd. Adaptive radial basis function and Hermite function pseudospectral methods for computing eigenvalues of the prolate spheroidal

**Hao:2015:FDM**


**Hu:2018:MCA**


**Huang:2015:BCL**


**Hu:2016:AFV**


**Hwang:2017:CSN**


Zhiwei He, Yousheng Zhang, Xinliang Li, Li Li, and Baolin Tian. Preventing numerical oscillations in the flux-split based finite difference method for compressible flows with discontinuities. *Journal of Computational Physics*, 300(??):269–287,
REFERENCES


Imbert-Gérard:2015:WPG


Isola:2015:FVS


Iga:2015:SSS


Iga:2017:EEG


Ikeno:2018:SBT

Imazawa:2015:MMS


Ivey:2015:AIN


Irfan:2017:FTM


Ivey:2017:CBV


Imbert:2015:FDM

REFERENCES

Ishii:2017:VRT

Isaac:2015:SEA

Ismagilov:2015:SOF

Itu:2015:PEF

Ii:2018:CSA
Satoshi Ii, Kazuya Shimizu, Kazuyasu Sugiyama, and Shu Takagi. Continuum and stochastic approach for cell adhesion pro-


Jofre:2015:PLB


Joshi:2017:HOM


Josey:2016:WMC


Jansen:2018:TCC


Jakeman:2015:EIM

REFERENCES


REFERENCES


REFERENCES


[JLQX15] Juhi Jang, Fengyan Li, Jing-Mei Qiu, and Tao Xiong. High order asymptotic preserving DG–IMEX schemes for discrete-


REFERENCES


REFERENCES

Jareteg:2017:NFB

Jung:2015:TDC

Joshi:2016:DAP

Jamshidian:2016:MCF

Jakeman:2015:EAS
J. D. Jakeman and T. Wildey. Enhancing adaptive sparse grid approximations and improving refinement strategies us-


REFERENCES

Jiang:2015:MMS


Jiang:2017:DDM


Jin:2015:APM


Jiang:2018:EMH


Jiang:2016:KSS

REFERENCES


REFERENCES


REFERENCES


[KCS+17] E. M. J. Komen, L. H. Camilo, A. Shams, B. J. Geurts, and B. Koren. A quantification method for numerical dissipation in quasi-DNS and under-resolved DNS, and effects of numerical dissipation in quasi-DNS and under-resolved...

[Kim:2017:BFD]


[Kalita:2017:NHA]


[Korn:2017:EDA]


[Kast:2015:OTF]


REFERENCES


Kim:2015:ASE


Kitamura:2017:SPS


Krattiger:2018:GBM


Ku:2016:NHL


Kunz:2016:IOD

REFERENCES


[KJ17b] Stephan Küchlin and Patrick Jenny. Parallel Fokker–Planck–DSMC algorithm for rarefied gas flow simulation in com-


**Kannan:2018:CRF**


**Kim:2016:EEM**


**Karagiannis:2015:BMS**


**Kikinzon:2017:ASC**

REFERENCES


 REFERENCES


Kou:2016:MSD


Kuwata:2016:ICG


Kuhnlein:2017:UMF


Kilian:2018:SIM


Kou:2018:TCS

REFERENCES


[KTG16] Michael Kraus, Emanuele Tassi, and Daniela Grasso. Variational integrators for reduced magnetohydrodynamics. *Jour-
Kaboudian:2015:GSM


Kawai:2015:RAN


Kulikov:2016:UPA


Katz:2015:HOF


Kercher:2015:RPC

A. D. Kercher and R. S. Weigel. Removal of pseudo-convergence in coplanar and near-coplanar Riemann problems of ideal magnetohydrodynamics solved using finite volume
REFERENCES


Kotov:2018:CND


Katsoulakis:2017:SIP


Koutsourelakis:2016:SIB


King:2015:BCS


Lowengrub:2016:NSE

Liu:2018:WBP


Lombardini:2016:HOW


Lee:2018:CCH


Lappa:2016:MNF


Lapenta:2017:EEC

REFERENCES


Lau:2017:SSL


Li:2015:ANT


Liu:2016:ENS


Levien:2017:CSP


Lynch:2017:AAW

[LBB+17] Vickie E. Lynch, Jose M. Borreguero, Debsindhu Bhowmik, Panchapakesan Ganesh, Bobby G. Sumpter, Thomas E. Proffen, and Monojoy Goswami. An automated analysis workflow


REFERENCES


Lerat:2015:HOT


Lerat:2016:EHO


Li:2016:IBLa


Lee:2017:PCM


LeHardy:2017:SRT


REFERENCES


Luo:2016:HLH


Lee:2018:SEP


Long:2017:ABG


Liu:2017:TEA


Lv:2015:EBD

Li:2017:HOS

Liao:2016:ESA

Liu:2016:SOC

Liu:2018:SAH

Liu:2016:WEW
Ling:2016:MLS

Li:2015:PTM

Liu:2016:MDT

Lohmann:2016:SFL

Latypov:2017:DDR
REFERENCES

Lai:2015:FRS


Lee:2017:GCF


Lee:2017:REC


Linders:2017:SPO


Lohmann:2017:FCTa

REFERENCES


[Li:2015:AIS]

[Lai:2016:LDM]

[Li:2016:IBLb]

[Liao:2016:RBA]

[Bris:2017:ECA]
Claude Le Bris and Frédéric Legoll. Examples of computational approaches for elliptic, possibly multiscale PDEs with random inputs. Journal of Computational Physics, 328(??):455–473, January 1, 2017. CODEN JCTPAH. ISSN 0021-9991 (print),


[LLNS17] Xue lei Lin, Michael K. Ng, and Hai-Wei Sun. A multi-grid method for linear systems arising from time-dependent


Li:2015:FGA


Liang:2018:PBG


Lannes:2015:NCF


LeFloch:2015:RMC


Lotstedt:2015:SSD


REFERENCES


Liu:2015:WBC


Leclercq:2016:MPH


Lombard:2017:NMA


Lipnikov:2016:MFD


Lundquist:2018:HFC

LaRocca:2015:MDB


Lafitte:2017:HOR


Liu:2017:TDS


Lu:2015:LPC


Linders:2015:UBW

REFERENCES

Laurent:2017:RSO

Lovett:2015:AMR

Litsarev:2016:LRA

Lohmann:2017:FCTb

Lotfi:2018:CER
Ali Lotfi. Combination of epsilon and Ritz methods with multiscaling basis for solving a class of fractional optimal control problems. *Journal of Computational Physics*, 365(??):107–119, August 1, 2018. CODEN JCTPAH. ISSN 0021-9991 (print),
REFERENCES

Lozano:2017:MSB

Lejay:2016:SDP

Liu:2016:AED

Luo:2017:AMB

Luo:2017:PPH
Songting Luo and Nicholas Payne. Properties-preserving high order numerical methods for a kinetic eikonal equation. *Journal of Computational Physics*, 331(??):73–89, February 15, 2017. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-


Latz:2018:MSM

Leguebe:2015:SOC

Lee:2015:SWP

Lu:2016:BEF

Lee:2017:DNS
Luo:2018:MMM


Lu:2017:CAS


Ladiges:2015:FDM


Leimkuhler:2015:NTD


Li:2015:MRU


LS15a

LS15b

LS15c


Hong Liang, Qi Sun, and Qiang Du. Data-driven compressive sensing and applications in uncertainty quantification. *Journal of Computational Physics*, 374(??):787–802, December 1, 2018. CODEN JCTPAH. ISSN 0021-9991 (print),


Luo:2015:MCL


Liu:2018:ESH


Li:2015:NAM


Li:2017:ITM


Lu:2017:CSAb


Luan:2017:PIE


Liu:2018:LOW


Liu:2018:AFC


Liu:2017:HOT


Luchko:2015:WDD


REFERENCES

Li:2017:BDV


Liang:2018:SSG


Li:2017:STF


Liu:2018:DME


Li:2016:NFI

REFERENCES

Li:2016:HOF


Li:2018:WBD


Li:2015:SIA


Liang:2017:GBL


Liu:2016:UGK


REFERENCES


Lin:2017:HOF


Lee:2018:PPG


Li:2017:DDA


Lu:2017:AOS


Liu:2015:SAD

Liao:2017:TSA


Lu:2017:RPB


Liu:2015:NCC


Motheau:2016:HON


Mattsson:2017:HOA

Mokbel:2018:PFM


Machado:2015:NCL


Macrossan:2016:RCL


Miura:2016:HES


Mahady:2015:VFM

REFERENCES


Muller:2015:HOA


Mitscha-Baude:2017:AIM


Moguen:2015:SLM


Meng:2017:SAP


Magri:2016:SATa

REFERENCES


**Martin:2016:OPM**


**Murashige:2017:NSP**


**Maeda:2018:ELM**


**Mons:2016:RUUV**


**Miyawaki:2016:CIB**


REFERENCES


[MDDM17] Hamid Moghaderi, Mehdi Dehghan, Marco Donatelli, and Mariarosa Mazza. Spectral analysis and multigrid precon-


REFERENCES


Melvin:2018:DAM


Moortgat:2016:MHV


Moradi:2016:MAS


Martin:2017:SMR


Mora:2018:NSS

Müller: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

REFERENCES


Miao:2017:CTD
[Text]


Mohamed:2016:DEC
[Text]


Meyers:2015:NDE
[Text]


Marti:2016:FSM
[Text]


Miquel:2017:HCF
[Text]

REFERENCES

JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic).


[MKV+17] David J. Munk, Timoleon Kipouros, Gareth A. Vio, Grant P. Steven, and Geoffrey T. Parks. Topology optimisation of micro fluidic mixers considering fluid-structure interactions with
REFERENCES


Malovichko:2017:ASA


Moyner:2016:MRS


Muller:2016:CTV


Morgan:2018:RSM

Ma:2017:ESH


Morente:2018:PMS


Maljaars:2018:HDG


Moroney:2017:EFL


McLean:2015:TSE


Muralidharan:2018:SMB


Maric:2018:ESF


Maier:2017:DES


Mishra:2015:TDA


MacDonald:2016:CMC

REFERENCES


REFERENCES


REFERENCES


REFERENCES


Mentrelli:2015:FPA


Minjeaud:2015:HOA


Minjeaud:2016:FSE


Meldi:2017:ROM


Merrill:2016:SAM


Alireza Mazaheri, Mario Ricchiuto, and Hiroaki Nishikawa. A first-order hyperbolic system approach for dispersion. *Journal of Computational Physics*, 321(??):593–605, September 15, 2016. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-
REFERENCES

Manoli:2015:IPF

Manzanero:2018:BRS

Mohebujjaman:2017:EBM

Michaud-Riou:2016:RRS

Maire:2015:PRR
[MS15a] Sylvain Maire and Martin Simon. A partially reflecting random walk on spheres algorithm for electrical impedance tomogra-
REFERENCES


REFERENCES


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

**Maddix:2018:NAD**


**Maddix:2018:NAG**


**Mulloth:2015:HAS**


**Mabuza:2018:LBP**


Melvin:2017:WDP


Muralikrishnan:2018:IIH


Moon:2015:CPC


Moncorge:2017:MSF


Moncorge:2018:SF1

REFERENCES


REFERENCES


REFERENCES


Aurel Neic, Fernando O. Campos, Anton J. Prassl, Steven A. Niederer, Martin J. Bishop, Edward J. Vigmond, and Gerhard Plank. Efficient computation of electrograms and ECGs
REFERENCES


Nelson:2015:DFL


Nangia:2017:MCV


Nguyen:2017:NSC


Nguyen:2015:CSR


Nishikawa:2017:APS


Jan Nordström and Samira Nikkar. Hyperbolic systems of equations posed on erroneous curved domains. *Journal of
REFERENCES


[Norgaard:2016:TOU]


[Nair:2015:VCI]


[Nuter:2016:SNC]


[Nejadmalayeri:2015:PAW]


[Nordstrom:2015:VRT]

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


REFERENCES


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


Ostilla-Monico:2015:MRS


Orley:2015:CEB


Opper:2017:ERE


Oberman:2015:FSH


OSullivan:2015:CHO

REFERENCES

Ohlberger:2016:ASI

Ohwada:2018:SRE

Olejnik:2017:SDS

Ojala:2015:AIE

Ohno:2017:NTQ


REFERENCES


Parent:2018:PPD


Park:2018:DSM


Pasquetti:2016:CSI


Philip:2015:PMD


Piao:2015:IFB

REFERENCES


**Pourmatin:2016:MRS**


**Parish:2017:DSS**


**Pan:2017:POU**


**Phillips:2017:ETE**

REFERENCES


REFERENCES


<table>
<thead>
<tr>
<th>Citation</th>
<th>Reference</th>
</tr>
</thead>
</table>

**Pavan:2016:SOR**


**Hao:2015:FOA**


**Pinaud:2015:ALD**


**Pishchalnikov:2018:ADE**


**Park:2016:ESV**

REFERENCES


Pandya:2016:ICB

Park:2016:HMD

Pardo:2017:CNL

Pieper:2016:HPI

Pashos:2015:MPF
G. Pashos, G. Kokkoris, and A. G. Boudouvis. A modified phase-field method for the investigation of wetting transi-


REFERENCES

Pan:2018:HOT

Shucheng Pan, Xiuxiu Lyu, Xiangyu Y. Hu, and Niko-
laus A. Adams. High-order time-marching reinitializa-
tion for regional level-set functions. Journal of Compu-
tational Physics, 354(??):311–319, February 1, 2018. CO-
DEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-
article/pii/S0021999118308215.

Pal:2015:SBC

Souvik Pal, Chuanjin Lan, Zhen Li, E. Daniel Hirle-
man, and Yanbao Ma. Symmetry boundary condition in
dissipative particle dynamics. Journal of Compu-
tational Physics, 292(??):287–299, July 1, 2015. CO-
DEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-
article/pii/S0021999115001722.

Peng:2015:BIE

Zhen Peng, Kheng-Hwee Lim, and Jin-Fa Lee. A bound-
ary integral equation domain decomposition method for elec-
tromagnetic scattering from large and deep cavities. Jour-
nal of Computational Physics, 280(??):626–642, January 1,
2015. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-
science/article/pii/S0021999114006925.

Petras:2018:RFC

A. Petras, L. Ling, and S. J. Ruuth. An RBF-FD clos-
est point method for solving PDEs on surfaces. Journal of
Computational Physics, 370(??):43–57, October 1, 2018. CO-
DEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-
article/pii/S002199911830322X.

Peng:2016:IGK

Ao-Ping Peng, Zhi-Hui Li, Jun-Lin Wu, and Xin-Yu Jiang. Im-
licit gas-kinetic unified algorithm based on multi-block dock-


REFERENCES


REFERENCES


Paparella:2018:LNM


Pazner:2018:ATP


Pang:2017:DVF


Park:2016:PCI


Pitton:2017:CRS

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

Pathak:2016:FEV


Pathak:2016:TDV


Petras:2016:PMS


Pasquetti:2017:CVF


Pathak:2016:AFV


Potz:2017:SCF


Papoutsakis:2018:EAM


Perrin:2017:NPT


Pratapa:2016:AAC

REFERENCES


Pierro:2018:SFP


Petropavlovsky:2018:MBE


Parker:2015:CPA


Posa:2017:ARL


Palamara:2015:EAG

REFERENCES


Parussini:2017:MFG


Parmentier:2018:VPM


Pimenta:2018:FNF


Popov:2015:SVC


Pan:2015:GCT

REFERENCES

Pan:2016:TOC


Pan:2016:EAT


Pan:2017:HOS


Pan:2015:IAB


Podvigina:2016:CLM


Qiu:2016:ADC


Quan:2016:MAC


Qu:2018:IBF


Qin:2016:BPD


Qian:2018:CTL

Qiao:2017:ADT


Qiu:2015:TGB


Romick:2017:HOS


Ragusa:2015:DFE


Ramis:2017:ODL

Ramadan:2018:RSH


Rodrigues:2015:SIF


Ranocha:2018:GSP


Ruiz-Baier:2015:PMF


Roberts:2018:MID

REFERENCES


REFERENCES


REFERENCES


REFERENCES


Hendrik Ranocha, Philipp Öffner, and Thomas Sonar. Summation-by-parts operators for correction procedure via reconstruction. *Journal of Computational Physics*, 311(??):299–328, April 15, 2016. CODEN JCTPAH. ISSN 0021-


Royston:2018:PRU

Rodriguez-Rozas:2016:NCC

Ravu:2016:CAD

Rao:2015:NSE

Rolland:2015:SBA
REFERENCEs


REFERENCES


REFERENCES 540

Rieke:2015:CVT

Rojas:2015:PFL

Rapun:2017:LCP

Ruan:2018:NGF

Reuther:2016:ITP
REFERENCES

Rodriguez:2018:STF

Rosenthal:2017:DDA

Rahimian:2015:BIM

Rauschenberger:2015:DNS

Rauschenberger:2015:VFM

[RWG18]


[RWKW16]


[RWN18]


[Ren:2015:MDH]

Xiaodong Ren, Kun Xu, Wei Shyy, and Chunwei Gu. A multi-dimensional high-order discontinuous Galerkin method based on gas kinetic theory for viscous flow computations.
REFERENCES


REFERENCES


REFERENCES


REFERENCES

Schneider:2016:KCLb


Shin:2018:HIT


Strychalski:2015:PIB


Sanchez:2017:SHH


Shi:2016:SSP


[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

[Sibra2017:SRP]

[Sauer2017:SFE]

[Song2016:CFE]

[Su2018:DPP]
Stasyszyn:2015:VPI


Sousedik:2016:SGM


Sellier:2015:SPF


Stinchcombe:2016:EMS


Setukha:2018:MRB

Shankar:2018:HBS

Sommer:2015:CDC

Strobl:2016:ECO

Shashkin:2016:CCS

Soize:2016:DDP


REFERENCES


Skarysz:2018:IIR


Stone:2017:ADE


Schneck:2018:OEF


Schneiders:2016:ECC


Sanchez:2016:RCM


Felix S. Schranner, Xiangyu Hu, and Nikolaus A. Adams. On the convergence of the weakly compressible sharp-interface method for two-phase flows. *Journal of Compu-

[Shahbazi:2017:RSO]


[Shankar:2017:ORB]


[Shim:2017:PLB]


[Seol:2016:IBM]


[Schneider:2015:SAN]

Stotsky:2016:VVD


Shu:2016:HOW


Spietz:2017:IBP


Spietz:2018:RMS

Sidilkover:2018:TUV


Sugiura:2016:EGS


Sugiura:2017:EGS


Sun:2016:BVD


Sun:2015:PML


REFERENCES


Matteo Semplice and Raphaël Loubère. Adaptive-mesh-refinement for hyperbolic systems of conservation laws based


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


Matthew Spellings, Ryan L. Marson, Joshua A. Anderson, and Sharon C. Glotzer. GPU accelerated Discrete Element Method

**Sabzikar:2015:TFC**


**Sharan:2018:MSB**


**Slevinsky:2018:SMN**


**Smith:2018:NND**


**Soghrati:2015:BCM**

REFERENCES


Spandan:2017:PIP


Sheldon:2016:HDG


Serson:2016:VCS


Song:2018:SBM

REFERENCES


REFERENCES


REFERENCES


Kevin Schmidmayer, Fabien Petitpas, Eric Daniel, Nicolas Favrie, and Sergey Gavrilyuk. A model and numerical method for compressible flows with capillary effects. *Journal of Computational Physics*, 334(??):468–496, April 1, 2017. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (elec-


References


Sengupta:2016:NAB


Sousa:2016:BCD


Sauter:2017:CQW


Schobi:2017:UPB


Strumik:2017:MHM

Subber:2018:PTI


Solomenko:2017:LSM


Shadid:2016:SFS


Safta:2015:HDC


Schmitt:2016:DMN

[SSL+16a] Nikolai Schmitt, Claire Scheid, Stéphane Lanteri, Antoine Moreau, and Jonathan Viquerat. A DGTD method for the numerical modeling of the interaction of light with nanometer scale metallic structures taking into account non-local dispersion effects. *Journal of Computational Physics*, 316(?):396–415, July 1, 2016. CODEN JCTPAH. ISSN 0021-9991 (print),
REFERENCES


R. Stefanescu, A. Sandu, and I. M. Navon. POD/DEIM reduced-order strategies for efficient four dimensional variational data assimilation. *Journal of Comput-
REFERENCES

Sondak:2015:NCF


Sun:2015:EFG


Schmitt:2018:STD


Smolarkiewicz:2016:SAS

REFERENCES


Sorgentone:2018:HAB


Schaefer:2017:SGA


Silva:2017:LHO


Sarkar:2017:EOP


Stiller:2016:RMH

Sato:2016:CDD


Shrestha:2015:NSM


Stolk:2016:DMS


Stoltz:2017:SSD


Salimi:2015:NLR


REFERENCES


Schmidtmann:2017:HES


Song:2017:MGN


Shankar:2018:MFS


Singh:2018:STD


Samulyak:2018:LPM

REFERENCES


REFERENCES


REFERENCES


Sakamoto:2017:IPE


Shojaei:2018:CSM


Sjogreen:2018:HOE

Simmons:2015:PNS


Simmons:2017:FVM


Sjogreen:2014:HOF


Sjogreen:2017:CHO


Shen:2015:EES


REFERENCES


REFERENCES


REFERENCES


Toro:2015:NNF


Taitano:2016:ACM


Turner:2016:VER


Taitano:2017:EPD


Taitano:2015:MME

W. T. Taitano, L. Chacón, A. N. Simakov, and K. Molvig. A mass, momentum, and energy conserving, fully implicit, scalable algorithm for the multi-dimensional, multi-species


REFERENCES


REFERENCES


[TLL17] Qingsong Tu and Shaofan Li. An updated Lagrangian particle hydrodynamics (ULPH) for Newtonian fluids. *Journal of Computational Physics*, 348(??):493–513, November 1,
REFERENCES


Toulorge:2016:OGA


Thompson:2015:DWC


Toro:2015:ISA


Turinsky:2017:SIC


Trask:2016:CML

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

**Trask:2018:CHO**


**Terekhov:2017:CCN**


**Tang:2018:ALS**


**Thirumalaisamy:2018:TIC**


Torrilhon:2017:HBS


Thiagarajan:2018:SAQ


Tsalamengas:2015:QRW


Tsalamengas:2016:GJQ


Trahan:2018:FAA

Tang:2017:DGM


Tramm:2017:RRM


Tayebi:2017:MMS


Thiele:2016:BCA


Tsoutsanis:2018:EBL

REFERENCES


Turrell:2015:SCI


Troshin:2016:POD


Thompson:2015:SNA


Tipireddy:2017:BAD


Tokareva:2016:FSM

[S. A. Tokareva and E. F. Toro. A flux splitting method for the Baer–Nunziato equations of compressible two-phase...


Tian:2016:ALD  

Tang:2017:HAD  

Tao:2016:SSD  

Tang:2016:NEM  

Teichert:2017:IRG  
Unnikrishnan:2016:HFM


Ueckermann:2016:HDG


Ullmann:2016:PGR


Uber:2017:ANS


Vabishchevich:2015:NSE

Vabishchevich:2018:TLS


Villamizar:2017:HOL


Vaibhav:2015:TBC


Villegas:2016:GFL


Vishnampet:2015:PDA

REFERENCES

Villa:2015:SDE


Veeraragavan:2016:UMM


Villa:2017:EAC


Villa:2017:PBP


Vasil:2016:TCP

REFERENCES


REFERENCES


REFERENCES


REFERENCES


vanLith:2017:EWD


Valizadeh:2015:SSW


Beeumen:2018:CRM


Vermeire:2015:AIS


Vides:2015:STD

Jeaniffer Vides, Boniface Nkonga, and Edouard Audit. A simple two-dimensional extension of the HLL Riemann solver for
REFERENCES


B. C. Vermeire and P. E. Vincent. On the properties of energy stable flux reconstruction schemes for implicit large eddy simulation. *Journal of Computational
REFERENCES


REFERENCES


Weitz:2016:MCE


Whalen:2015:ETD


Wirasaet:2015:ABL


Wen:2018:RMP


Wolf:2016:PCM

[WCCB16] Eric M. Wolf, Matthew Causley, Andrew Christlieb, and Matthew Bettencourt. A particle-in-cell method for the simula-
REFERENCES

Wang:2017:IBM


Wilkening:2015:ASN


Wang:2015:SII


Wise:2018:BBM


Chengjie Wang and Jeff D. Eldredge. Strongly coupled dynamics of fluids and rigid-body systems with the immersed boundary projection method. *Journal of Computational Physics*, 295(?):87–113, August 15, 2015. CO-
REFERENCES


[WG16a] M. Waindim and D. V. Gaitonde. A body-force based method to generate supersonic equilibrium turbulent boundary layer

**Winters:2016:AEC**


**Wissocq:2017:RCB**


**Wang:2015:ECD**


**Wang:2016:IMD**


**Wu:2016:BDB**

REFERENCES


Wang:2017:CSP


Wiesenberger:2017:SIM


Wiesenberger:2018:SIM


Wang:2017:NDF


Wong:2018:SIN

Wang:2017:PST


Wang:2018:PPP


Wu:2018:MMF


Wick:2016:CFS


Williams:2018:SGP

Wang:2016:ESE


Wala:2018:FAE


Welch:2017:GPC


Waruszewski:2018:MTO


Wu:2015:SFC

REFERENCES


Jinghua Wang, Qingwei Ma, and Shiqiang Yan. A fully nonlinear numerical method for modeling wave-current interactions.
Wasserman:2016:PPI


Watanabe:2017:GER


Wahlsten:2018:RBC


Watvisave:2015:HMD


Wang:2015:DGR

Yibin Wang, Ning Qin, and Ning Zhao. Delaunay graph and radial basis function for fast quality mesh deformation. *Journal of Computational Physics*, 294(??):149–172, August


Fuyuan Wu, Rafael Ramis, and Zhenghong Li. A conservative MHD scheme on unstructured Lagrangian grids

**Wang:2017:CHO**


**Wiens:2015:EPI**


**Woods:2015:VFD**


**Weatheritt:2016:NEA**


**Wu:2017:USG**

[WSF17] Jilian Wu, Jie Shen, and Xinlong Feng. Unconditionally stable gauge–Uzawa finite element schemes for incompress-


REFERENCES


REFERENCES


Wang:2015:AHO


Wang:2016:OOP


Wang:2017:FCM


Wang:2018:FFE


Wintermeyer:2017:ESN


Xie:2017:HPD


Xiao:2017:FCP


Xu:2015:PMT


Xia:2015:FDS


Xie:2015:AMR

REFERENCES


REFERENCES


Qing Xie, Zhixiang Xiao, and Zhuyin Ren. A spectral radius scaling semi-implicit iterative time stepping method for reactive flow simulations with detailed chemistry. *Journal of Computational Physics*, 368(??):47–68, September 1,


Xie:2015:MFE


Xue:2018:TFS


Xu:2015:APB


Yan:2016:HMD


Yang:2016:LFS


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


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


REFERENCES


Yu:2016:FMV


Yao:2015:NIT


Yang:2015:NID


Yang:2017:HSM


Yan:2018:FIP


Yu:2016:ELB


Yang:2016:MFS


Ye:2016:GCC


Yang:2016:SNE

Yu:2017:NAP


Yan:2016:OSG


Yang:2018:DSR


Yang:2017:FEM


Yaji:2016:TOT

REFERENCES

Yang:2018:BST


Yang:2017:NAM


Yang:2018:IMF


Yuan:2015:IBM


Zerroukat:2015:MBS

M. Zerroukat and T. Allen. A moist Boussinesq shallow water equations set for testing atmospheric models. *Journal of
Zerroukat:2015:MCT


Zadeh:2011:MCS


Zabelok:2015:AKF


Zauner:2016:AFF


Zhang:2015:NSP

Zhang:2018:FVA

Zhao:2017:GFE

Zhang:2015:VIR

Zhang:2018:AMS

Zakari:2015:AUF
M. Zakari, H. Caquineau, P. Hotmar, and P. Ségur. An axisymmetric unstructured finite volume method applied to


[ZDGW16] Chun-Yu Zhang, Hang Ding, Peng Gao, and Yan-Ling Wu. Diffuse interface simulation of ternary fluids in contact with
REFERENCES


Zhao:2015:CSD


Zhang:2018:MFI


Zentner:2016:BDI


Zhang:2015:CFT


Zhang:2017:CSV

Chenglong Zhang and Irene M. Gamba. A conservative scheme for Vlasov Poisson Landau modeling collisional plas-
REFERENCES


REFERENCES


Zhu:2018:LSM

Zhao:2018:IFP

Zillich:2015:CPD

Zhang:2015:IFE

Zhang:2018:ABF
Zhao:2016:PIM


Zhang:2015:RTS


Zhang:2015:CSI


Zayernouri:2015:FSC


Zivcakova:2018:DGM

REFERENCES


REFERENCES

Zayernouri:2016:FAB


Zheng:2016:MCB


Zhang:2018:GAI


Zandi:2015:SAA


Zwanenburg:2016:EBE

REFERENCES

Zepeda-Nunez:2016:MPT


Zhou:2015:WDL


Zohdi:2017:CME


Zahr:2016:AMH


Zimon:2016:ENR


Ziegelwanger:2017:PMM


Zimon:2016:NCN


Zhong:2018:IBI


Zhang:2015:EFE


Zeng:2016:VMF

Zhu:2017:NSC


Zhang:2015:FNS


Zheng:2017:FDH


Zhang:2017:VCP


Zhao:2017:VBC

REFERENCES


Zhang:2016:PFM


Zhu:2018:SDI


Zhu:2017:PEG


Zimmerling:2016:LMO


Zhou:2018:SON

REFERENCES

Zou:2017:SFT


Zhou:2017:SFF


Zhao:2017:SNS


Zheng:2015:PDD


Zhang:2018:BDC

Zhao:2016:DES


Zhang:2016:LBS


Zhang:2017:RSO


Zhang:2017:NIT


Zhu:2018:BDC


REFERENCES


