A Complete Bibliography of Publications in

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Title word cross-reference


-adaptive [NMR+22, WGY20, XSC21]. -adaptivity [ARTB20].

İzmir [MMSW22].

1
[Ano20a, Ano20b, Ano20c, Ano20d, Ano20e, Ano20g, Ano20f, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano21a, Ano21b, Ano21c, Ano21d, Ano21e, Ano21f, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano22a, Ano22b, Ano22c, Ano22d, Ano22e, Ano22g, Ano22f, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano23a, Ano23b, Ano23c, Ano23e, Ano23f, Den23, SLOZ21a, WMTQ20]. 15 [Ano20m, Ano20n, Ano20o, Ano20p, Ano20q, Ano20s, Ano20r, Ano20t, Ano20u, Ano20v, Ano20w, Ano21m, Ano21n, Ano21o, Ano21p, Ano21q, Ano21s, Ano21r, Ano21u, Ano21v, Ano21w, Ano21x, Ano22m, Ano22n, Ano22o, Ano22p, Ano22q, Ano22s, Ano22r, Ano22t, Ano22v, Ano22w, Ano22x, Ano23g, Ano23h, Ano23j, Ano23k]. 1d [KSHJ20, BGS22a]. 1d-3d [KSHJ20].

2 [Abg20, KSST21, SLOZ21b]. 2020
[Ano20a, Ano20b, Ano20c, Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano20m, Ano20n, Ano20o, Ano20p, Ano20q, Ano20s, Ano20t, Ano20u, Ano20v, Ano20w, Ano20x]. 2021 [Ano21a, Ano21b, Ano21c, Ano21d, Ano21e, Ano21f, Ano21g, Ano21i, Ano21l, Ano21m, Ano21n, Ano21o, Ano21p, Ano21q, Ano21r, Ano21s, Ano21u, Ano21v, Ano21w, Ano21x, Ano21y, Ano21z]. 2022 [Ano22a, Ano22b, Ano22c, Ano22d, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano22n, Ano22o, Ano22p, Ano22q, Ano22r, Ano22s, Ano22t, Ano22u, Ano22v, Ano22w, Ano22x, Ano23a, Ano23c, Ano23e, Ano23f, Ano23g, Ano23h, Ano23i, Ano23j, Ano23k].
265 [HPA22]. 2P [CDT22a]. 2V [ATCS20].


Adaptive

adaptive [dSLdA+22, vHP22]. adaptive-mobility [LZC+23].


ADER [BCIT22, BLM22, CJGD21, TCR+20, WGU22]. ADER-DG [WGU22].

adhesive [XLHB22]. ADI [DLP21]. adiabatic [FN22, GLK20, PA20].

Adjoint [AHG21, CSY21, FLS23, KKS22c, RMD20, RHR20, SJGC21, AMG23, AS20, BJ22, CXX22a, CXX22b, CSdP+22, GMNY23, KS22a, KR22, OY21, PRL22, RB22, SES21].

Adjoint-based [FLS23, RMD20, RHR20, SJGC21, CXX22a, CXX22b, CSdP+22]. adjoints [AFP22].

adjustable [DHJ+22]. adjusted [GC20b, GAC20, SCD20]. adjusting [HRY+22]. adjustment [FFRT+21].

ADLGM [AMM23].

adsorption [Cie20]. Advanced [EFS+20, FSM+22, FGD+21, XBRL21].

advection [ADJ23, ARR21, BFP21, BFG22, CCL21, C22a, CB23, DGW20, FMB20, FPT23, GTDB22, GHY22b, LCG22a, LY23, LT20c, MMZ21, MTB22, MT21, SWF21, SK23, SFG22].

advection-diffusion [BFG22, FPT23, GTDB22, MTB22, SWF21].


advection-reaction [CCL21]. Adversarial [HGS20, GN22, OHWN2, WKA+20, ZBYZ20]. AEPIC [STC+21].

aeroacoustic [WRBK20]. aeroacoustics [AWB+21].

Aerodynamic [AMG23, LE21b, MM21a, Nis22a]. aerodynamic [ABOS22, GFW+20].

aeronautics [AF21].

AFC [CMS+22b]. Affine [DSS20]. age [APR22].


Agglomeration [PP22a, KG20]. Agglomeration-based [PP22a]. agglomerative [VGG23]. aggregate [AK21, MRG21].

aggregation [HST22a, KOM+22]. aggregation-fragmentation [KOM+22].

aid [JO22]. aided [NT23]. air [HMM20, NTSM20]. Alderney [BAB21].

ALE [AR20, CHL20, CPGD20, GPS20, KKS21b, KSBG20, PZX20, VM021].

Alfvén [LMHL21]. algebra [LC22a].
[BSCG22, PCB21, dSLdA+22]. Algorithm [DY22b, HNF+21, ZD21, AG21, ASVL23, ALF+22, AE20, Bar22, BG21, BL21a, Bre20, CF21, CCY+20, C Jill21, CCN21, CFM22, CC20, CI21a, CNC21, DevW20, DgL+22, DGS20, DW20a, DW20b, Er22, FZ8+21, FVM22, FVM23, FSB+20, FZQ22b, GQF23, GAB+22a, GMM22, GW20, HH22, HG20, HX23, JGM+22, JL21b, KBB+20, KKS21b, KG20, KWCS23, Kus20, LGV20, LG20, LH21, LZX+22b, LAT+22, LFT+20, MNC+20, MNG+22, MCVF22, MSH22, MYL21, MH20, MRd21, MGT+21, ND20, Nic22, NZXM21, OGG20, PM21b, PK20, PGS22, PJBB20, RW22, SGM21, TCK+22, TS20, Tw20, TWY+22b, Vev21, WLZP21, XMY22, XCZ20, YZZZ22, ZZC20, Ian20]. Algorithmic [HHN+21].

Algorithms [CEL+20, Far20, FBCD22, LI22, MBK21, BTK22, BFS23, CM20, DLMZ22, DC22b, EFS+20, EPV21, EHL+20, HXZ23, LCG23, LLO21, LLCK20, MD20b, PBN+21, Sab20, SPdS+21, SC22c, TRC22, Tso23, WK20, WTX+21, WH21, WY22a, YWLL21, YL21b, ZC22a, PDPK20]. aliasing [KK22b].


Analyses [LLD+22, NdlLPL21, SFNMF+21]. Analysis [ARC22, AWB+20, CLP22, DTD20, HLM+20, HCD23, JKJ20, LZ22a, MVO+22, PRL22, ZP20, AHR20, ALL22, BDT21, BGG22, Bha20, BGP22, CPX21, CZ22a, CWW20, CS22, DCA+22, DGS20, DYG22, DW20a, EF21, FJ+20, FGB+20, FL20a, FGD+21, FBCD22, GCS22, GZ21, HJK21, HYQ20, HX21, HP22b, HCL20, HL21, dMKJ+22, JLY22, KP23, KBC20, KFP+22, KLF22, KdMJ+22, KSK21, KCP20, KD21b, LKEM21, LMK22, LJ22, LG20, LGM22, tLJtBZ22, LJJ2K21, MM21a, MD20c, MMR22, MFS+22, NW22, OY21, RUG20, RW22, RRN23, RV20, RC20b, SD20, SL22b, SVPV20, SJGC21, SMR22, SW23, TDK22, TLW20, TN23, USRH20, WMTQ20, XWZ22, ZY+23, ZB21c, ZZY21]. Analytic [Lem20, Yin22, ML20].

Augmented [BCC+20, DD22b, Dup21, HV20, JWZ20, PBVC22].
August [Ano20b, Ano20a, Ano21b, Ano21n, Ano22b, Ano22n].
AUSMD [CNC21].
auto [GZ20].
auto-regressive [GZ20].
autoencoder [KCWZ22].
Autoencoders [GFPO22, LC20, LPBK23].
Automatic [BGR20, ASBM20, BGH21, FFRT+21, LBC23].
Automatically [Hig22].
Auxiliary [AST21, YNDH22, AE20, CJT+20, CC22a, JZZ22, LL21d, YD20, YX22, YTK22].
Avalanches [DSBFN+20].
average [CZ20b].
Averaged [LMFV22a, LMFV22b, BS22a, CMCX23, DGW22, FWNT21, HRWP22, NW20, SSW22].
averaging [VCPGR20, ZWZL22].
AVF [HL20a].
avoid [LKJL22].
avoiding [CBCF20].
Aw-Rascle [BX20].
Aware [JADS21, MRHR20, PMACG21, RRN23].
Axes [DSBFN+20].
Axisymmetric [MSK+22, BGNZ22, BSP21, CDT22a, HBF22, HP22a, Lem20, MT21, QJL23, SLOZ21b].
Aymard [Abg20].
Azimuthal [GKRS22, LAT+22].
B-DeepONet [LMZ23].
B-PINNs [YMK21].
B-scale [BBF20, LBSR20].
Backflow [XBD+20].
Backscattering [GCSH22, DLMZ22].
Backward [AB22, CY22, CCMC20, LG20, PK20].
Baer [CMRR21, LL21b].
Balance [CMPR23, Hen21, LP21, LE21b, LW21, MN21, PCF21, PPP21, PM22a, PPHO22, WKW+22].
Balanced [AR20, CKLZ23, CMPR23, CLLL20, CTCS22, DEN22, DSBFN+20, GBLT20, GLK20, GLWY22, Hig22, HLA20c, HX22, HX23, JTW22, KLZ20, KLD23, LPM+20, Lec21, LG21, Liu21, MN21, PPP21, GMTP23, TPK20, WGY20, WY22b, YX22, ZZ32b].
Balanced-force [HLA20c, HX23].
Balances [Sin21].
Balancing [TTSP21].
Balescu [SHS+20].
Ball [BBO+22].
Band [CMSS21, Per23, ZZY+20].
Band-limited [Per23].
Band-limited [Per23].
Band-limited [Per23].
Balanced [SMW+22].
Baroclinic [LJW+22].
Barotropic [CHT20, LJW+22].
Barrier [BF22].
Barriers [Giv23].
Based [CSY20, ADK+21, AMG23, AF21, AP20, AST21, AD22, AHW20, AE20, BL22a, BF22, BRT22, BO22, BGR20, BZSF20, BVR22, BGGM22, BZ22, Ben23, BGS22a, Bha20, BZB20, BSW+22, BTEK22, BP21, BJRR22, BPJ22, BG20c, BJW20, CCL20, CWL+21, CKLZ23, Cha21, CNBH23, CJT+20, CL20d, CGJM21, CH+21, CZLC22, CLS20b, CCH+23, CBA+20, CKNN22b, CXX2a, CXX2b, CSdP+22, DLZZ21, DKM+20, DSSSP20, DVS22, DSBP22, DEW20, DD22b, DD21, DZC+23, DW22, Edo22, EDLF20, EKPS23, EFSH21, FFS+21, FGK22, FM23, FBD+22, FJ21, FH22, FL21, FCWS22, FTZ22, FC21, FM20, FW22, FGL+22, FLS23, GCVI22, GW23, GD20, GHY22b, GN20, GWC+22, GDB23, GPHAPR+22, GHS21, Gri20, GYF20, GLCS23, GLT+20, GFF20, HBF20, HHA22, HP21a, HSH20, HZTN21, HLM+20, HYQ20, He22, HRY+22, HSW21, HTL21].
Based [HPW21b, HP22a, HSB20, HT21b, HCCR22, JY22, JZSX20, JP23, JLRZ20, KTDG20, KS22a, KKL+23, KBCH20, KS22c, KC20a, KUO23, KRG+23, KKS21a, KKS21b, KLS+20, KSI+23, KNS21, KH20, KGSK23, KLF22,
MMZZ22, TKR22, VACE21, ZCY+21]. **Boundary**

[ASS21, BRT22, BBF20, CMNS21, EWN+23, HSS21, Sel22, ZHR20, ZH20, AHG21, AD20, AD21, ALCZ20, ACD23, ADM+21, BMV22, BBGT21, BZ21, BFG22, BBKB21, BFS23, BDB21, CHS20, CBCT+21, CAG20, CLS+20a, CLW22, CTG23, CZC23, CLLL20, CW22b, CAT20, CSLC21, CRPB20, CPBB21, DR20, DLM+23, DSZ20, DG23, DN21, DLL22, DC22b, EFR21, ELSV22, FZ20a, FJH20, FDP20, FGD21, GRC22, Gin21, GAB+22a, GS22, GF21, HBF20, HP21a, HP22b, HLA22b, HXQL23, Ish22, IK23b, IRT22, JPAZ21, JLC21, JC21, KM22a, KBSF22, KS11, KRG+23, KSH22, KEY20, KdMJ+22, KS22, KdMJ+22, KF23, KKY21, KT20, LHT21, LJS+23, LSTZ21, LCDS23, MWY20, MZ22, MQ20, MBM22, MGA20, MD20c, NG22, NFL+21b, NGZD22, NLZ+22, NG20, NW22, Nor22a, OB20, OL20].

**boundary** [OLS21, OSL22, OCGT22, PSL20, PJA22, PAGJ23, PH22, PL20, QHLL20, RKA+23, RS20b, RFZ22, RRPSS21, RGR21, SM21a, SYOS19, SYOS21, SPdF20, SKT20, SWM21, SRT21, SC22a, SBL22, SY21, SSMA21, Sv21, Taka23, TNB21, TTPB22, Th22, TF20, VBA22, Vre20, Vre21b, WQ20, WGS+20, WP21, WH22b, WKBB21, XC20, YX20a, XC23b, XSA+21, YLS21, YMM+22, YYYB23, YGL20, YP22, ZG21, ZHPZ21, ZXY22, ZZZ20, ZCY+21, ZMW23, ZB21c, vNGB22, vHG+22, CF21, RB21]. **boundary-conforming** [CLL20]. **boundary-consistent** [BBF20]. **boundary-lattice** [MWY20]. **boundary-layer** [HBFB20, MD20c]. **boundary-material** [NLZ+22]. **boundary-phase** [SRT21]. **boundary-value** [SY21]. **boundary/multi** [CW22b]. **boundary/multi-relaxation** [CW22b]. **bounded** [Ere22, HBF22, HLA22b, KN22, Nor22a, PEA20, P21, SS+20]. **boundedness** [MIM20]. **bounds** [CF20]. **Boussinesq** [ADK+21, GFG22, KMS20, LSXC20, PKC22]. **box** [KS22d, KLG+22]. **BR2** [BV22]. **brackets** [SST+23]. **Branching** [FCP21]. **Breaching** [DeW22]. **breakdown** [NSM20]. **breakdowns** [GMD22]. **breakup** [CDJ21].

**Bregman** [GU20]. **bridges** [KCX+21]. **Bridging** [CRP20, YJP23, LLB+23, WLPK20]. **Brinkman** [NNY22]. **brittle** [DAJ22]. **Brownian** [Far20, OSZ21, WDK22]. **BSDE** [TTY22]. **BSLM** [KKB20]. **bubble** [ACR23, KJJ21, SBC20]. **bubbles** [BFG23, CDJ21]. **bubbles/droplets** [GMY22]. **Buckinghams** [ODM23]. **Buckley** [AV20]. **budget** [CPX21]. **Building** [LRT22a]. **buildings** [CFS23]. **built** [Cie20]. **bulk** [HLA20a, MYY+23, SVW21]. **Burgers** [SFNMF+21]. **buried** [LYZ22]. **Burton** [Sel22]. **butterfly** [CZY20, LY20b]. **BVD** [CF21, CDX+21]. **bypassing** [RN23].

C [LP23]. C-staggered [LP23]. C0 [EFR21]. C1 [EFR21]. **CABARET** [GMMS22]. **CABARET-MFSH** [GMMS22]. cache [LWWH23]. cache-efficient [LWWH23]. **Cached** [DS20]. **Cahn** [FQSW23, LHC22, MK+20b, NMR+22, QW22, CZ20a, CLS20b, CWW20].
[AKK20, LAT+22, PK20]. centered
[BS22a, BLM22, BCP22, CZLC22, CLJ+20, FLW20b, GSFH22, HZD21, KDL23, LLPL22, LH20, NW20, PWH2+22, QJQW22, QJL23, SGW+23, SEG21b, SEG22, WDS2+2, WZL21, YJK2+21, ZXBS22]. Central
[HPW21a, KNP20, ZWLG23, BD20a, CLJ23, CCH+23, CKN22b, FZ20a, GKL21, JTW22, KLZ20, KLX23, PWK20, SAP22, ZB21a].
Central-moment [ZWLG23].
[HPW21a, KNP20, ZWLG23, BD20a, CKLZ23, CF21, CCH+23, CKN22b, FZ20a, GKL21, JTW22, KLZ20, KLX23, PWK20, SAP22, ZB21a].
Central-upwind [CKLZ23, CF21, CCH+23, CKN22b, GKL21, JTW22, KLZ20, KLX23, PWK20, SAP22, ZB21a].

Centroid [Nis20a].
CFL [CK20, HZHL22, Liu20b].
CFD [BSCG22, BJR22, CZ22b, DGGL22, DEB21, PBN2+21, SWHJ22, WZSK22, ZP20, ZAW2+20].
CFD-DEM [CZ22b].
CFD-driven [BSCG22, ZAW2+20, WZSK22].
CG [CMS2+22b].
Check [CMGGS23].
Checkerboard [DMRG22].
Checkpoint [CCN21].
Checkpoint-restart [CCN21].
Chemistry [BB20a, GCVI22, LLB+23, MLM+21].
Chemotaxis [BGH21, LHL+22, QLY21].
Cheremkhov [BD20b, LKG+20, NNL+20].
Chimera [KFSM21, MMZZ22], chiral [KCH21], chirality [FCGK23].
Choice [ZS21a, RRPSS21, ZH22].
CIAs [BTK22].
Circuit [BGSP22].
Circular [FZS+21].
Circumventing [ZNCZ+21].
Class [BGFB20, CCH20, EFR20, GLY22, HSW22, LCR22, RBC+23, SAP22, SY21, TT22b, TYC23, WH22a, WZSC22, WHS22, YZdCNS21, ZWZL22].
Classes [CS20].
Classical [CDW23].
Cleaning [CPGD21, DFGR20, KK20b].
Climate [WDL+21a].
Cloaking [WYHL21].
Cloaks [CHG21].
Close [KKCC20].
Closed [RSA+22].
Closed-loop [RSA+22].
Closed [HCL22].
Closure [BBB23, BKY21, HCCR22, PBJ+22, QJQW22, SSS22, TBW22, WRH20, WZSK22, WSS22].
Closures
cloud [CKLM+23, RSWD21]. clouds [PM22a, PLYZN23].
cluster [DCA+22, DBC+22, SAL+20]. Clustered [XCL22].
clouds [CKLM+23, RSWD21]. clouds [PM22a, PLYZN23].
coagulation [Sin21]. coalescence [CDJM21].
coarse [CPX21, EFY23, BT21, CCAR22, DC22b, KK20a, LCN20, NA21, RK21].
Coarse [CPX21, EFY23, BT21, CCAR22, DC22b, KK20a, LCN20, NA21, RK21].
Coarse-proxy [EFY23]. coastal [BABD21].
coefficient [JWZ20, Kan20, LNYD20]. coefficients [DLP21, HL20a, HL20b, JHY21, LH21, PWH+22, ZZ23a].
Coercing [GJF20]. coherent [IT22]. coil [GWC+22]. colliding [RE20].
collision [AMW22, CI21a, HQ20, Li21, MRBC22, TBD20].
collisional [ASBM20, BBC21, CB23, EKe22, LRW21a, WNZ20].
collisional-radiative [ASBM20]. collisionless [CEM20, TS20]. collisions [ALF+22, KLJL22].
collocated [NVK+22, PBN+21, RBD+21, XJN+20, ZJ22].
collocation [CL20d, CGJM21, ELSV22, FTY+22, LSS20, LPZ22, LN21b, RS20c, RRRG23, TFCH22, TJ21, WQZP20, Zha22, ZZ+20].
colloidal [KVQE21]. combination [FJH22, FM20, XCZ20]. Combined [Mar20, AYH+21, AP22, GZW20a, KF23, USRH20, ZMK21, ZW22, ZZ23a].
combined-field [USRH20]. Combining [MFK21, Poe22, AL21].
combustion [FSDB20, TTSP21, TSP22]. Comment [PSL20, Pan20b, dv23].
Committer [CHKL23]. common [SI22]. communications [HR22].
Community [BTK22]. Compact [Toh23, BCIT22, CMP+21, CMR23, CWY21, CTCS22, Den23, DBD21, FDP20, HL20a, HRWP22, JZX20, KSTT22, LLQC21, MRS20, PP22a, SAP22, SMW+22, SSS22, WAB21, Yin21, ZJSX22, ZZ+23].
complement [HV20, KKS+21c]. complementarity [BE20, YZK23].
complete [BGR20, Hua21, Pan20a, WH22a]. completely [KKPB20, WWG20]. Completeness [BFC+22]. completion [DLMZ22].
Complex [DHM21b, ASVL23, AZV23, BDF+23, CM20, CY22b, CFS23, Cie20, DS22a, DMTT21, DFW22, GQF23, GJL20, HZ22b, JHY21, LLY20, LLN22, MWY+20, MBE21, MHWY21, MRZ21, PTT22, QG21, RUG20, RS20b, SV23, SRTB21, SY21, TB21, WZBV20, XCL22, YYB23, YGL20, ZOG21b].
compliant [BBKB21]. complicated [SYOS19, SYOS21, TNB21].
[CL21, CDLX23, GC20a, LXY23]. **condensed** [RRFK⁺21]. **Condensing** [CLT21]. **condition**
[BCIT22, BDB21, CK20, CN21, GS22, JLC21, KRG⁺23, KKY22, KS21b, LAN21, LCDS23, OKTD21, QHLL20, RRPPS21, WH22b, XC20, ZCY⁺21]. **condition-enforced** [ZCY⁺21]. **Conditional**
[BFC23, TBST20, Che20, HGSK22, LT20a, PZ21, TBSH21]. **conditioned** [HKJ21]. **conditioning**
[AD21, BZ21, BFG22, BG20b, BFS23, CHS20, Cal21, CLS⁺20a, CLW22, CK21, CcdS20, DG23, DN21, FZ20a, FDP20, HP21a, HLA22b, HXQL23, JPAZ21, LM21b, LYL20, LZZ2b, MGA20, NFL⁺21b, NG20, NW22, PJA22, PACJ23, SYOS19, SYOS21, SSMA21, SVi21, TNN21, TPB22, VBA22, WZW21, WWKB21, YLS21, YYM⁺22, YGL20, BRT22]. **conditions-free** [HXQL23]. **conducting** [KLP22, USRH20]. **conductivities** [BCG⁺20]. **conductivity** [ILX22, JYK22, Kus20, VSB⁺22, YSTK22]. **conductor** [HLB20]. **cone** [HPA22]. **configuration** [KLP22, LW22a, MNG⁺22, SM21b]. **configurations** [MD20c, SVW21, YSCM21]. **confined** [CY22b, KMR23].
**confinement** [AKK20]. **confirmation** [NTSM20]. **conformal** [AMGCL21, SQSS20, XMY22]. **conformation** [LHXZ22]. **conformational** [KSST21]. **conforming** [BGS22a, CBCT⁺21, CLLL20, HSG⁺22, Jai22c, LOL22, WYW22b, XHY23, ZSKN22]. **congruity** [RA21]. **conjugate** [CNCM21, GB22b, HGV⁺21]. **connected** [Nor22a]. **connection** [SLQW22]. **connectivity** [WY22a]. **Conservation** [YWCB22, ALF⁺22, BKC22, BL22b, BBCD22, CMP⁺21, CJ21, Cha20, CV23, DSZ20, DLWW22, EC20, FTZ22, GKL21, GN20, HMO⁺20, KiV21, KDL23, KNG22, KGN22, KWF20, KdL20, LZZ21a, LSQ21, LLO22b, LLO23, LD20b, LOLS23, LA21, LP20b, LSTZ21, LpW21, MYM⁺21, PM21b, PD21, PP22c, QCD21, RBF⁺21, SSK20, SAP22, SLNM21, SX20, TFWX22, TKK22, WLRK23, XS22b, YNT20, ZZ23a, ZHR20, ZCQ20b, ZQ20]. **Conservative** [CFSH20, CBRY21a, CBRY21b, DEvW20, EH22a, GNW22, HST22a, LM20a, LS23, RGH⁺22, WBN22, ZZXY20, ATCS20, BCF22, BCR22, BL21b, CKLZ23, CBF22, CNMB20, CSS20, CKN22b, CCB22, CS21c, DPX23, EJ21, FGL⁺22, FTK23, GGB20, GHY22b, GLCS23, GLWY22, HHAFR21, HT21b, HLX21, HLA20b, HLA20c, HLA21, HLA22a, JMM20, Jai22a, JGM⁺22, Jen20, JHF21, JK20, KBB21, KKS21b, KJ22, KVQE21, KKLX23, LDT⁺21, LPL⁺22, LL22, Li22, LZ20a, LRAQ22, LFZ21, LCP21b, MMMR21, MJ21, MH21, MM20, MMYT23, NK22, OP20, PCB22, PBGB21, PGCC⁺22, RSWD21, SHM⁺23, SRD20, SSG⁺20, SC22b, TSTH20, TB20, WKW⁺22, WA23, XJN⁺20, XLS22, XSS2a, ZB21a, ZL21a, ZZN22, ZSQ21]. **conserved** [LC22, Yan21c]. **conserving** [BDZ23, BTL23, CCY⁺20, CCN23, Ere22, FZQ22b, GLLM22, HR20, JI21b, KS21c, KCCR22, LLCJ23, LSXC20, Li23, LP23, MM21c, MM22, Ran22, RC20a, San20, SL22c, SMY22, SMAY22, WCB20, YX22, YZW23, ZQYS20, ZPGR22]. **Consideration** [NIT21]. **Consistency** [BSV22, GN20, JZZ22, Pan20a]. **Consistent** [BBA22, HTV⁺22, HLA20b, HLA20c, MM21c, MM22, ASW21, BBF20,
GRC$^{+22}$, HZTN$^{21}$, HL22$^{a}$, HW20$^{a}$, HLA21, HLA22$^{a}$, Iij21, Kem23, KLS$^{+20}$, KHS20, KWDS$^{22}$, LP23, MPSP$^{22}$, NFL$^{+21}$, PAA21, RKRW20, TBP20, XLS$^{22}$, XDCF21, YRHN22, ZLG$^{+23}$, vdeEW23]. **constant**

[Lév22, LKJL22, RR21$^{b}$, Sha21, WWZ20, XG22]. **constant-volume** [Lev22]. **Constitutive**

[LK22, LKJL22, RR21$^{b}$, Sha21, WWZ20, XG22]. **Constrained**

[DVS22, BS22$^{b}$, CSY21, CBA$^{+20}$, FCM$^{+20}$, FVM22, FVM23, GZ20, HR22, LZZ21$^{b}$, LXY23, MSIM21, MD21, SMS23, XD22, YZK23]. **Constraint**

[FCM20$^{b}$, MRHR20, MCP23, BNN20, CHZ$^{+21}$, CW22$^{a}$, DeVW22, KBCH20, LKEM21, LL22, PT23]. **Constraint-aware** [MRHR20].

[HKKS21, IK23$^{b}$, KK20$^{a}$, LVK$^{+22}$, RK21, WKA$^{+20}$]. **constraint** [ZD21].

[YG21]. **Constructing** [LD22]. **Construction** [HM22, ZLB22, CF20, DCA$^{+22}$, JD23, LWY$^{+20}$, LT20c, MD21, ZJSX23].

[Contact]

[FM20, ASW21, BHV.J22, BSW$^{+22}$, BDMP22, CZ22, FGF22, FCWT22, HZTN21, HY22, HLA22$^{b}$, Ish22, KKM21, LLD20, LT20$^{b}$, MCT21, PBGB21, PH22, SRTB21, SLH$^{+20}$, XLHB22, ZY20$^{a}$, ZR20, ZKY$^{+20}$, SS22$^{a}$]. **Contact-PIC** [SS22$^{a}$].

[SDP20]. **containerless** [SDP20]. **contamination** [LZ20$^{a}$]. **continuation** [JWH20, NPD20, Yin22]. **Continuous**

[CLP22, CHG$^{+20}$, CLDC20, FCP21, KK20$^{b}$, LY22$^{c}$, MCF20, MAPS20, PHHJ22, RMD20, SL20$^{b}$, SL22$^{b}$, ZAA23]. **continuous** [SL20$^{b}$, SL22$^{b}$].

[Continuum]

[LY20$^{a}$, LZX20, LLZ20$^{b}$, BD1$^{+21}$, BCP22, CHS20, DGL$^{+22}$, FM20, JN20, KCK21, KCP20, LSC$^{+20}$, MR22, MCP23, SWG21, XLXC20, ZOG21$^{a}$]. **continuum-kinetic** [CHS20]. **Contour** [SWM21, CA22$^{a}$].

[EF019, EFO20]. **Contrast**

[CELV21, CELV22, AH21, LFT$^{+20}$, RSA$^{+20}$, YLW21].

[Contrast-independent] [CELV21, CELV22]. **Control** [TYY22, ASJ23, AR21, BGGM22, BLW22, BPT$^{+20}$, DGW20, FVM22, FVM23, GGEJ20, HGP$^{+21}$, HKKS21, HBF21, KSW22, KDL23, LT22$^{a}$, LGV20, LW21, LFA21, LHL$^{+22}$, MQ20, MN23, ND23, PRKS23, SEG22, SLQW22]. **controllability** [GLJ20, TBM22]. **controllable** [WTX$^{+21}$].

[CMP22, JFH21, SL22$^{a}$]. **Controlling**

[DHR20, GPL22, LLO22$^{b}$, LLO23, SRH21]. **Conv** [HZ22$^{a}$].

[MMYT23, PC22, DCGQ20, GMRS20, GFG22, GFY20, GLY22, HSS21, JRD22, Kiv21, LM21$^{a}$, LTD$^{+22}$, LFZ21, LJS$^{+23}$, LAS22, MZ23, MD20$^{b}$, NCQ22, PKC22, SSPV20, Sev21]. **convection** [DCGQ20, Kiv21, LFZ21, Sev21].

[AdS22, SSPV20]. **convection-dominated** [GFY20, LTD$^{+22}$, MZ23]. **convection-pressure** [GMRS20, MD20$^{b}$].

[BE$^{b}$22, Edo22, HCdM23, KK22$^{b}$, LLJC23, SKTK21].

[ACHG$^{+21}$, CZ22$^{a}$, JLC21, SN21, TBD$^{+20}$, BTV22, CW20, CC20, EG20, GLY22, HA21, JKK20, JYY22, JW21, LKM22, LJ22,}
LQX22b, LQX22a, tLjTbZ22, Nis20a, SMRW22, SMS23, YWCIL22.

Convergent
[JWH20, CX22b, HT21a, JJ21, LZZ21a, MVO+22, TPPA22, WWG20].

converging [LZY+22b], conversion [AZV23]. convex [CDW23, LCL22a].

convexification [KNT22], Convolution [HZ22a, FA22]. Convolutional
[DC22a, GSW21, GCSH22, LC20, LPBK23, PGR+23, QCZ22, WWFM22, WCZ22, ZYL+23, AM22].

convexification [KNT22]. Convolution
[HZ22a, FA22]. Convolutional
[DC22a, GSW21, GCSH22, LC20, LPBK23, PGR+23, QCZ22, WWFM22, WCZ22, ZYL+23, AM22].

cooled [MCBA20]. coordinate [CLT21, KRG+23]. coordinates
[Bal21, BSP21, CLS20b, GKRS22, HM21a, MT21, PA20, DM23, QSZB20, SOV21, SLOZ21b]. copolymers [BCL+23].

corona
[MFG22, MP21]. coronaries
[DFP+21a]. Corrected
[IRT22, ZA20, HHL20, Kiv21, PA21]. Correcting
[JL22, LCG22a, STB+21, WDK22]. correction
[AÖR22, AF20, BLL19, BLL20, sCpLL+22, CCH20, DY22a, EOP20, GWY20, GF21, HMY22, HXX23, HPPZ20, LRT+22b, MW22, Nis22b, PEA20, PBJ+22, PKL+21, QLY21, Sti20, YYLY22, YOH+20, ZS22a, ZYW21, ZJ22].

corrections [OLP23]. corrector
[CEL+20, TC23]. Corrigendum
[ACML20a, BLL20, EFO20, GRT21, HPA22, LMVF22a, MM22, SZN20, SYOS21, STEK22, SS22b, Vre21b, Vre21a, YGJ21a, ZCQ20a, ZC22b].

corrosion [GJLD20]. cosmic [DW20a]. cosmological [BL21a]. Cosserat
[AEGV22]. cost [BB20a, DDR22, HYM20, KSS21, RR23, ZT23].
cost-aware [RR23]. cost-effective [BB20a, DDR22]. Coulomb
[ALF+22, HHL20, JL22b]. couple [YGW+20]. Coupled [ACML20a, ACML20b, WCA+20, ZQC+23, ADE+21, ALF+22, CBQ21, CYS22, CBB20, CIMG21, DEnW22, FSW22, GLSZ22, GNF22, GLJB20, GAB22b, GAC20, HMO+20, HSS21, JLT22, KGBT20, KSHJ20, LBT+23, LFP+21, LHF20, LJC+20b, MD20a, MLM+21, NG22, NAZ22, NMR+22, OYK+22, PEA20, PA21, RSA+22, RLH22, RR22, SLF23a, SGW+23, SML20, TV22, TWY+22b, VMO21, WZSK22, Yun21b, Yan21c, YTK22, YH22a, ZML20, ZHP22, ZJ21].

coupling [CDBS21, Li21, SWG21, SWG+20, SGW+23, WW20a, ABH21, AWB+21, BGS22a, BDWC23, BGSP22, BHK+22, CAG20, CZ22b, CS22, DMN22, JHJ20, KCOb21, LG22, LW22b, LOI22, LW20b, LM20, MTPS22, MZC+22, MP21, MMZZ22, RG22, SWHJ22, YKH20, ZML20, ZQC+23, ZLW+21, ZMW23, van22].

Courant [OKTD21]. Courant-Friedrichs-Lewy
[OKTD21]. CoV [KSST21], covariant [Bal20, OP20]. CPR
[YK23, ZLW+22a]. CPU [KNS21]. CPU-time [KNS21]. crack
[CC22a, FGD+21]. cracks [KLP22]. creep [KH21b]. creeping [GDF21].
criteria [ZRH20]. criterion [DCA+22]. critical [CDL21, LSY+23].
critical-adaptive [LSY+23]. criticalility [KWDF22]. Critique [TNB21].
cross [CCAR22, DC22a, EKPS23, GGB22, Ume23]. cross-helicity [GGB22].
crunpled [AR22]. crystal [FGD+21, GB22a, SVW21, YH22a, YK22].
crystals [BW20, CMSS21, QAS20, ZZY+20]. CSF [BTLD23]. cubature
[Gla21, HJK+21]. cubed [CLXS23, GCDT22, LP20a, SGT23].

Data-driven

[ASSZ21, BT21, CPH+22, GLLB20, HSMR20, HZY22, KV20, KFP+22, KLF22, LJ23, LL21c, MH22a, PRKS23, WX20, BSA21, BBA22, BSA22, BGA22, CHZ+21, ISM+23, JYK22, KH21a, LO23, LHA+21, MM21a, SWG21, SSG21, THH22, WDL+21a, WCM+21, XZWH22, XD22, ZB21b, ZDS+21, ZL21c, ZLL23].


death [CMPZ22].

debris [GDBFN+20]. Debye [ER22, PBCL20].

decaying [GLWY22].

deck [EGN23].

decoder [PGR+23].

decomposing [FCBM22].


deconvolution [XBD+20].

deconvolution-based [XBD+20]. Decoupled [ZY20b, CY22b, LYZW21, WZSC22, WGY+21, WHS22, Yan21c, YTK22, ZHY22, ZH21].

decoupling [LHXZ22, YH22a]. decreasing [FY22, JL21b].

Deep [BCSK21, CCLL20, CNBH23, CCWX22b, FWN21, HGV+21, HRMY20, HW20, KL20, LJ21, LZY22a, MHVY21, ND23, PS22a, TTY22, WCC+20, WP21, XK22, XZW21, XDCF21, ZCZ22, ZNCZ+21, AMM23, Cai22, CCL22, Cha21, CX21, DN21, FY20, FFFY20, GZ20, HMMO20, HNS20, HLZ20, HXFD20, JK20, KTDG20, KTDG22, KK20a, KTB20, KM22b, KSK22d, KKK22, KBC22, LC20, LY22b, LHA+21, LZCC22, NCC21, NT23, OKTD21, PHX23, SMF20, TLD20, TWL22, VY23, THKT21, TC23, VRK+21b, WL20, WZ20, WCL+20, WCF22, WQFM22, WXX22, WX20, XZ22, XCZ20, ZXRW21, YHG+22, YJP23, YCC+22, YYD+22, ZZZ22, FB22, JADS21, TC23].

Deep-learning [MHVY21, XZW21, KTDG22].

deep-learning-based [TLD20].

DeepBND [RDAB23].

DeepM&Mnet [CWL+21, MLM+21].

DeepMoD [BCSK21].

DeepONet [LMZ23].

DeepONets [WP23].

DeepParticle [WXZ22].

defect [CH20].

defective [QHLL20]. defects [DGL+23, GB22a].

deferred [HPPZ20, Str20, ZS22a, ZWY21]. defined [BLWL22, SYY22, XY20a].

definite [XH21].

deflation [DV22, GWY21, KAC22, ROO20].

deformable [BHJ22, BDMP22, KB22b, NZXM21, XHS21].

deformation [AP22, BN20, CCJC23, CRF+21, DJ22, FTP20, FZS+21, JAW+23, KH21h, LGY+20, ML23, MRL+23, XHZ22, ZHPZ21, ZJ21].

deformation-fault [ZJ21].

deformations [BZ21, BGY22, BV22, WGS+20, YB22].

deforming [HST22a, RMWS21, SOSM20].

degenerate [BLY21b, Kan20, Le21a, TZZ21, ZK22].

degradation [CGJM21].

degree [PZZ+23].

DEIM [EAK20, WD+21].

DeLisa [LZY22a].

Delta
[FGZ20, FCY+20, Kho20, RKVV20]. **delta-Eddington** [FCY+20].

dememorization [ELL+23]. dense [KVQE21, LY20a, PM21a].
dense-to-dilute [PM21a]. densely [KKM21].
densities [GHHR22, GQS20].
density [KC20b, YB22, ZNCZ+21, AFL22, AR21, BCC+20, CL20c, DC21, GGB20, GMNY23, GCL+22, HPW21a, HZHL22, LRT13, LCSZ21, LWF23, LRT+22b, LP20b, MRK+20a, PHP21, RZH20, RPDO+21, SHL+20, TWL22, TMC20, VGK21, WQ20, WLKR23, WGY+21, YLW21, YKFH23, ZLG+23, ZWLG23, ZXD22, ZOEL20, dv23].
dependencies [VRAM21].
dependent [AH21, AFL22, AFGLM20, AMB22b, BDS23, BG20a, CZ22a, DGW20, FPT23, GMB+22, GR21, HHK+23, HPA22, KCS21, LBM20, LKG+20, NDH20, PB20b, PMF20, PM21b, PH22, PTT22, Qia22, QHLL20, QCZ22, RHG+22, RV20, STEK17, STEK22, VdGP20, WQ20, XSC21, YL21].

depending [GQS20].
depletion [CS22].
Derivation [SEG21a, SL20b, WLZP21].
derivative [CCdS20, HNS20, KBCH20, SMR22, YS22, ZS22a]. derivative-free [HNS20].
derivatives [MR23, Mon21, TBD+20, VGG23].
deriving [CC22b].
descent [WK21a]. described [BG20c]. description [AHR20]. descriptors [NR23].
described [AH21, AFL22, AFGLM20, AMB22b, BDS23, BG20a, CZ22a, DGW20, FPT23, GMB+22, GR21, HHK+23, HPA22, KCS21, LBM20, LKG+20, NDH20, PB20b, PMF20, PM21b, PH22, PTT22, Qia22, QHLL20, QCZ22, RHG+22, RV20, STEK17, STEK22, VdGP20, WQ20, XSC21, YL21].

describing [GQS20].
design [LFP+21, LZLZ21, WMTQ20, WYHL21, AR22, BJW20, CHG21, Da22, DGGL22, DJ20, FSWA22, GWC+22, NYZ21, RtTB20, TBG20, WQ20, YXI22]. design-dependent [WQ20]. Design/analysis [WMTQ20].
designing [WTX+21]. detailed [LWW21].
detected [KK22a, WZ23].
Detection [KLA23, NKT21, BZSF20, GQF23, HRMY20, HCL22, KY22, NKA+20, PB20a, SP4F20, ZSY21]. Determining [KKN+22].
Deterministic [JBF21, HJLZ23, TLWM20, TRC22]. detonation [JLL22].
detonations [OGG20]. Development [CWY21, CI21a, HCL20, JY22, PCB21, PGM22, RB21, LMHL21, WZSK22, WYS20, ZAW+20]. device [ZWZL22]. devices [AKK20, WYHL21].
DG [DCGQ20, LHP20, ARTB20, DCGQ20, EH22b, HRRHG21, KGBT20, KBC20, LWY22, LQDS23, MAPS20, OBB22, RAB23, WGU+22, YOH+20].
DG-mimicking [MAPS20]. DGDD [RBF+21]. DGSEM [FBG20, Ren21].
Diagnosing [NNL+20]. diagonal [KCS21, LJ22, MZ20, MHY20].
diagonal-norm [MZ20]. diagonalization [WZ21b]. diagonalized [PJB20].
diagrams [MCBA20]. diaphragm [TVL+22]. Diatomic [XCL+21, HGH20].
diblock [BCL+23]. dictionary [MO22]. diel [CCER20, LMUHR22, WZC21, WSAZ22, ZR21].

Diagonalization [WZ21]. Diagonalization [WZ21]. Diagonals [WZ21].
Diagonals [WZ21]. Diagonals [WZ21]. Diagonals [WZ21].
Diagonals [WZ21]. Diagonals [WZ21]. Diagonals [WZ21].
ZZ23a, ZZ23b, ZSQ21, ZLW22b, ZL22, ZPK22, Bat20b, VPDD22].


dierent [CHZ22, GHHR22, GCD20, KLA23, LM21c].

dierentiable [LRT22a].


dierentiate [AIN21].

dierentiation [HHN21].

dieraction [PM22b, PLM23, CEW23, CDL21, LSW20].

diuse [ZMWS22, DSPB22, JMM20, JAW23, KB22b, LCCM22, MIM20, YGL20].

diuse-domain [YGL20].

diuse-interface [JMM20, JAW23].

diused [PBM23].

diusion [MSIM21, MD20b, AdS22, AdDMT21, AAKW20, ARR21, BF21, BL20, BS22a, BFG22, CZA22, CSS20, CY21, Coa22, DES23, DDR22, DCGQ20, FM20, FPT23, GYWH20, GTDB22, GLY22, HZL20, Heu21, HL22b, HCdM23, HL20b, JL21b, JT222, JRD22, KHI21, Kiv21, LTD22, LB21, LLO22a, LW20a, LSL20, LM20b, LFZ21, LWW21, LJS23, LY23, LX21, MYL21, MW22, MTB22, NCC22, PWH22, PWK20, PHHO22, RPA22, RBC23, Sab20, SSPV20, Sev21, SWF21, SLF23b, SMR22, SFNM21, T221, WZ21a, YYLY22, YW22, YAX20, Yua21, ZJZK20, ZWZL22, ZMS22, ZLS22].

diusion-redistanciation [MSIM21].

diusiophoretic [LHM20].

diusive [JJ21, LPZ22, MRBS22, PCQL20]. digital [HP21b, TSS20].

dilatancy [BFNK21, GDBF21].

dilute [PM21a].

dimension [Der23, KSHJ20, KWS22, LCH20, Lem20, PBC20, VACE21, ZY20].

Dimensional [SFP22, AG21, AdDMT21, ALFN22, ARGK22, AAKW20, BCWD21, BL20, Bar21b, BDL20, Bre20, Cam21, CPX21, CCM22, CNBH23, CL20b, CSS20, CLS20b, CLJ20, CS21c, DEX22, DYY2a, DSM21, DV20, DV21, DZ22, DZ21, DH20, EHW21, EHL20, EMS21, FSW22, FZ20a, FTZ22, FWG22, FGL22, FSL23, GHY22a, Gao22, GW23, GHP23, GYZ21, GZ21, HZL20, HZD21, HRR21, HSG22, Hua21, HSG22, JPAZ21, JLL22, JLY22, KTPB20, KV20, KY22, KLG22, KKY21, L20, LCG23, LSL20, LWR20, LDM21, LYS22a, LYS22b, LY22a, LJZK21, LLR23, LRT22a, LY20b, Liu21, LPZ22, LD22, MG20, MCB20, OWHN22, OVK22, PB20a, PJJ22, PJ23, PM20, PLV20, PRL22, PGMT23, QPW21, QSZB20, RZ23, SL20a, SBD21, SOV21, SVM21, SKCM22, SDA21, TTY22, Tak23, TL20, TWY23, TTP22, VCN21, XZ22, XS20, XL21, XCL22].

dimensional [XY20b, XZWH22, XHY23, XM20, YLNT20, YK22, YRC21, YMY21, YWW21, YSN23, YZ23, YNT20, ZBY20, ZZZ22, ZCZ22, ZCH22, ZGL20, ZFG21, ZWL22, ZC22a, ZPRG22, ZXY22, ZSY21, ZQS21, ZQL22, aKAK20].

dimensionality [WD21].

dimensionally-reduced [BVR22].

dimensionally-split [BVR22].
discretisations [BMV22, BW23, CJ21, PP22b].
discretization [AÖR22, BS22a, BHG20, BO22, BDMP22, BMQ20, BRS22, CEL+20, CHG+20, CLS+20a, CZLC22, CS23, CMS+22b, DSBFN+20, FQSW23, FGTY23, GA20, HMO+20, HLY21, JK20, JJ21, KNLB21, KSW22, LL21a, LRT+22b, MASC+20, MOBR22, MRRP22, PKC22, RC20b, RN23, SKT20, SKTK21, USRH20, WZ21, ZS22a, ZPG22].
discretizations [ALMF23, BDS23, BTCV22, BL21b, CELV21, CELV22, ELL+23, EWN+23, FMWK20, HSW21, KK20b, Kdl20, LCT23, LM21c, MBTS20, Nis22b, OP20, PP22a, SAS+21, YOH+20].
discretized [JPAZ21, Kho20, LP20, WZ21a].
discussion [Poe23].
dislocations [PBO20].
disperse [CI21b].
dispersed [PM21a].
Dispersion [HYQ20, An21a, CKN22a, DGW20, LCR22, LSZ+23, MFS+22, PBCL20, SSPV20, SFNMF+21, ZPK22].
dispersion-diusion [SFNMF+21].
dispersion-dissipation [HYQ20].
dispersionless [Puk20].
Dispersive [BBH+20, BDT21, CCER20, GKPT22, TCS22, TGM23].
displacement [FGTY23, VPL20].
displacements [FGKY22, GLY20, JFH21].
dissimilar [PRO22].
dissipation [AK22, sCpLL+22, CDX+21, DhJV+22, FFRT+21, FAHA20, FAA20, GMMS22, HYQ20, JP23, KD21a, LFA21, LYZW21, LCR22, LSZ+23, LXS22, MM21b, MD20b, PLL+21, RKVV20, SEG22, TFWX22, TSTH20, WTX+21, WZTZ21].
dissipation-adjustable [DhJV+22].
dissipation-based [JP23].
dissipative [GS20, KZ22a, Li22, LL21d, MH21, SBL22, TKK22, TCS22, YD20, YJP23, ZS22b].
distance [GCV22, Nis21, WXZ22].
distillation [KKM21].
Distributed [HLB20, KSHJ20, KHS20, SGWP21, TEA+23, ZLC+20, ZQ21].
distributed-memory [ZLC+20].
Distribution [STC20, AÖR22, Ara20, AR20, BCJM20, CA22, KHS21a, KKS21b, LRAQ22, SWG21, ZCS20].
distributions [HGSK22, LLR23, TT20, ZOG21a].
disturbance [PA21].
divergence [CBCT+21, DW20b, EOP20, Fu20, GEvWD22, KK20b, LZZ21b, MFS+22, PBCL20, SSPV20, SFNMF+21, ZPK22].
divergence-conforming [CBCT+21].
divergence-free [DW20b, Fu20, LZZ21b, LZZS21, SCS22, Toh23, WDS22].
divergence-preserving [GEvWD22].
dividing [HST22a].
DLGA-PDE [XCZ20].
DNS [HW20a, PO21].
do [MX22].
Domain [OLP23, ABH21, AMGCL21, An21a, AZV23, BDT21, BHG20, BGS22a, C222b, CYYS22, DMRG22, EJ23, GSW21, GTDB22, GPS20, HL21, KP23, KS21b, LIJ20, LZ20a, Liu20b, LLN22, LLCK20, MDG20, MSPP22, MP21, MRRP22, OYK+22, QCWC23, QHLL20, RC20b, SGWP21, SKJ21, SSG+20, SBVW20, Tak23, TMB22, TPB22, Thu22, TLB20, VACE21, VEC21, WRGB20, WCF+21, WY22a, YGL20, ZLW22b].
domains [ASS21, BFG22, CLS+20a, CDPK22, Cc20, CcD20, CNC21, DSS20, DS20, FPT23, GLMM22, HR20, Jai22c, KMR23, LWHY+20, LSLH20, QG21, RS20b, RFZ22, RMWS21, Say22, SWF21, YLNT20, YLS21, Yua21, ZPG22].
dominance [ARR21].
dominant [MHY20].
dominated [BBB23, GFY20, LTD+22, LT20c, MM21a, MM23, SFGNMGN22].
Dormand [NJ21].
Double [FY22, ZCYS20, EEG22, HL20c].
Double-flux [FY22].
double-sweeping [EEG22].
doubly [WNB21].
doubly-periodic [WNB21].
dozens [SZW+20]. DPG [MMPD21]. DPM [SMF20]. drag [BLL19, BLL20, SDA+21]. drift [CDT22a, NWM21, RPA22, Sab20, SAH+22, WDK22, ZWZL22].
drift-correcting [WDK22]. drift-diffusion [RPA22, ZWZL22]. drift-kinetic [SAH+22]. drift-kinetic-equation [CDT22a].
dynamo [YYM+22].
EL-RK-FV [NCQ22]. Elastic
[AD21, LZS22a, LKvM+22, ALM23, AMM20a, AL20, AL21, ABDD20,
BB20b, BY20, CLW20, CDL21, CC22a, CLJ+20, DLL22, DFW22, GLL20,
GAC20, HYQ20, JF20, JAW+23, Kar22, KFS21, LZS22b, MDG20, TBM22,
WGR22, WZ22, XHZ22, Yan21c, YK20a, ZZML20]. elastic-acoustic
[GAC20]. elastic-perfectly [LZS22b]. elastic-plastic [CLJ+20, JAW+23].
elasticity [AEGV22, FCM20b, RAZA21, ZFG21, ZY+20]. Elasto
[MMSW22, LGY+20]. Elasto-acoustic [MMSW22]. elasto-capillary
[LGY+20]. Elastocapillarity [FTP20]. Elastodynamics [RG22].
elastodynamics [LBC23], elastoplastic [MN20], elastostatic [MNG+22].
electric [AP22, FMJ21, FMOJ22]. electric-field [FMJ21, FMOJ22].
electrical [DZC+23, FY20, YSTK20]. electro [Kan20, KC20a].
electro-thermal [Kan20]. Electroconvection [BW20, CWL+21]. electrode [FGD+21].
electrodynamics [KBCH20], electrohydrodynamic [LBMc20, PHP21].
electrohydrodynamics [XSHI20]. electrokinetics [WLZ21]. electrolyte
[WZC21]. electrolyte-dielectric [WZC21]. Electromagnetic
[LLZL20, BAK22, CJLL21, CHZ22, CMS+22b, DNP23, FCGKR23, LY20b,
LMURH22, LMHL21, Par22, PP22c, RC20a, Sem21, Tak23, USRH20, ZZY21].
electromagnetics [MPSP22, RC20b]. electromechanical [RSA+22].
electron [CHS20, CDT22a, CCLM22, HPR20, LCS22, SC22b].
electro-neutral [RAB23]. electronic [DLZZ21, Dup21]. electrons
[EC20, Le21a]. electrophysiology [ASG+23, BBQ+21, DNV22].
electrostatic [BFS23, Ere22, SGM+20, SGM+21, TRC22]. electrostatics
[CEBG22]. electrolyte [ZR21]. Element
[AEGV22, BLLL23, DSG+22, DY22c, Nik23, Sel22, ADK+21, Abg20, ARR23,
AYH+21, ASJ23, AMGCL21, ADM22, BFP21, BS22a, BGNZ22, BDS23,
BAK22, BNP+22, BTEK22, BB20c, BRS22, CDK+23, CHG+20, CAG20,
CJ21, CFM22, CMS221, Coa21, Coa22, CPA+23, CMRR21, CMS+22b,
DHM21a, DMM22, DLP22, DLY22, DW22, EFR21, EPL22, FSW22, NYT21,
FZ23, FCM20b, FZ21, GYH20, GJD20, GGB20, GGF22, GL20, HSXZ21,
HRR21, He22, HSW21, HW20a, HXL21, HXX23, ACL20, HLH21, Ish22,
JYK22, JWZ20, KK20b, Kcl20, KB22b, KKJ21, LP20a, LG22, LLF+22,
L120, LZ22b1, LB21, LL22, Lin21, LT20b, LFZ21, LAN21, LY22c, MZ22,
MCP23, MFTZ20, MFK21, MFRZ22, MFS+22, NFA21, NKW22, NYY22,
HP21, PKL+21, PLKM22, RR22, RRFP+21, SM20, SPF21, SW22,
SHL+20, Tak23, TCK+22, TMG20, TH23, VGG23, WW20b], element
[WYHL21, WTX+21, WZ21, WRL23, WC20, XC20, Xie22, XCM23a,
XHS21, XSA+21, YLNT20, YCH21, YLY22, YH22a, YRC+21, YFLL21,
YKFH23, ZB21b, ZH23, ZZ20, ZFG21, ZWZL22, ZDW22, ZHY22, ZQC+23,
ZR20, ZR21, AM22, BBV23]. element-finite [WRL23]. Element-wise
[DY22c]. element/difference [LG22]. element/level [HRR21].
element/level-set [HRR21]. elements
[BM22, BW23, CCHS20a, CBB20, CI21b, CDN+22, DY22b, DCSG22,
EFR21, GLL20, GZ21, HPW21b, ID20, NGK+21, PHHJ22, ZL21a.
Eliminating [SC22d]. Elimination [LLF+22, CCHS20a, DS20, LYS22a].
Ellipsoid [Bal20]. Ellipsoidal [Kus20]. Ellipsoids [GCV22]. Elliptic
[AuIL20, BG20b, CCLL20, CWW22, CX22a, DYMCM20, FZ20b, GB22b, GL20, Hac21, HNS20, HLM+20, HLL22, HLY20, JWZ20, KTBP20, Kho20, KAZS23, LCL+22b, LSS20, LY22b, LY22a, MRZ21, Ozu21, PWXY22, PZ22, PHX23, QG21, RFZ22, RZ23, SSG+20, Ste22, TB21, WZW21, WK21a, YLS21, ZDW22]. Elliptical [CPGD20]. Embedded
[TH22, WKA+20, DN21, RK21]. enhance [RAB23]. Enhanced
[BZ20, CHT20, KNL21, HRR21, WBN21]. enrichment [HW20a]. Ensemble [MLCM22, SSW22, CNBH23, CMCX23, HST22b, MLCM21,
MTWBT21, ZMSX20]. ensemble-based [CNBH23]. ensembles [YG21].
Enskog [BF23]. Entropic [BT20, GT21]. entropies [Ran22]. Entropy
[BKY21, Cha20, CLW22, CCN23, DT21a, GCLM22, GS22, GMD22, KGN22,
LLQ23, MRK\textsuperscript{+}20b, Ren21, RRHCG23, STG20, Svii21, WKW\textsuperscript{+}22, AÖR22,
BW\textsuperscript{+}20, CT22, CMRR21, DT20, DT21b, DT22c, DW22, EKPS23,
HRRHG21, JM22, Jai22b, JRD22, KK21, LCSQ22, LCT23, LMV22a,
LMV22b, LCDS23, MRK\textsuperscript{+}20a, MGMV22, Nor22b, NMR\textsuperscript{+}22, PBN\textsuperscript{+}21,
RBD\textsuperscript{+}21, RRHH\textsuperscript{+}21, SWG21, Svii22, TJK22, UY22, YU22]. entropy-based
[DW22]. Entropy-entropy [LLO23]. entropy-preserving [JM22].
entropy-pressure [LCDS23]. Entropy-stable [GMD22, MRK\textsuperscript{+}20b, RRHCG23, LMV22a, LMV22b, MRK\textsuperscript{+}20a, NMR\textsuperscript{+}22, PBN\textsuperscript{+}21]. entry
[BVRS22]. environment [FSWA22]. environments [MFTZ20]. epicardial
[GGN\textsuperscript{+}20], epitaxial [HX21]. EPPL [ZZC20]. equality [BS22b]. Equation
[MOBR22, WK21b, ADK\textsuperscript{+}21, An21a, ACÉ\textsuperscript{+}22, AFGLM22, AMM20a, BLF20,
BGH20, BRT22, BO22, BAK22, BW23, BG20a, BVT20, BT20, BZ20, BGH21,
BY20, BFG23, CSY21, CCL21, CCWX22a, CDT22a, CLDC20, CLY21,
CK21, CWW20, CP20, CGM\textsuperscript{+}23, DS22b, EHW21, EJ21, EWN\textsuperscript{+}23, FLZ20,
FZ20a, FGD\textsuperscript{+}21, FMM21, FM23, FPT23, Gar20, GKR22, GMA23,
GR21, GLLB20, GDL23, GS20, HPA22, HSW21, HGH20, HA21, HSB20,
HHRA19, HQ20, HRC20, HXX23, HCCQ22, HJJL20, JL21a, Jai22b, Jai22c,
JW21, JPAZ21, JWZ20, JLRZ20, JRD22, JFB21, KTDG20, KSTT22, KS22a,
Kar22, KS11, LL20, LSC20a, LCLC21, LKEM21, LLP\textsuperscript{+}20, LM21b, LGZ21,
LJH23, LJ22, LSXC20, LYY20, LXD\textsuperscript{+}20, LRW21a, LL22, LZS22a, LLWX22,
LT22b, LQX22a, ILN221, LZ20b, LHWZ21, LZY\textsuperscript{+}22b, LM21c, LLD20,
MRK\textsuperscript{+}20c, MBAG21, MGL21, MCVF22, MRBC22, MRBS22, MPMD20].
equation [NS22, NT20, NMR\textsuperscript{+}21, OP20, OGV20, PSL20, PBM23, Pan20b,
PZ20, PM23, PAM23, Poö23, RS20c, RBPRST20, RA21, RWY21, RMWS21,
SH23, Sar21b, STEK21, STEK22, SL20b, SL22b, SPP20, SL22c, MAY22,
SCdH20, SMRW22, SQS20, SACT21, T221, TZN20, TB20, TBG20,
TQR22, TS20, TL21, TEP\textsuperscript{+}23, TJPY22, VRK21a, VMB20, VVR21, W20,
WZC21, WNB21, Wan22, WJKW20, WK23, WZBV20, Xia21,
XF21c, XG22, YLKL20, YCH21, YYYY22, YY22, YK20a, Yin21, YFL21,
ZW21, ZOW20, ZZ20, Zha22, ZXY22, aKAK20, PRKS23].
Equation/Variable [PRKS23]. Equation/Variable-free [PRKS23].
Equations [CCPS21, ADK\textsuperscript{+}21, AdS22, AG21, AMB22a, ARGK22, AST21,
AZ22, AHWZ20, AR20, AK21, ARR21, BDT21, BFP21, BL20, BT21, Bal20,
Bal21, BBH\textsuperscript{+}20, BGNZ22, BDS23, Bar21b, BFMM21, BBB23, BM21, BCTT22,
BGGM21, BL21a, BP22, BKY21, BWG\textsuperscript{+}20, BDL\textsuperscript{+}20, BP21, BGS\textsuperscript{+}22b,
BJL21, CCE\textsuperscript{+}22, CMR21, CKLZ23, CP22a, CZ22a, CLW22, CHT20, CHSS20,
CZ20a, CCY\textsuperscript{+}20, CCWX22b, CJW22, CDX22, CN22, CSS20, CLS20b,
CTCS22, CCE\textsuperscript{+}21, CBR21a, CBRY21b, CK21, CFK22, CBY23, CSY20,
CS23, CGM\textsuperscript{+}23, CX22a, Coc20, CCH20b, CA22a, CddS20, CddS22, CEM20,
DEN22, DY22a, DM21, DS22a, DLP21, DCGQ20, DH20, Dom23, DYM20,
DOQ23, DGW20, DZ22, DFR20, DTB20, DVB20, DFP\textsuperscript{+}21b, ELL\textsuperscript{+}23,
EBC$$^{+22}$$, EOP$$^{20}$$, EJ$$^{23}$$, EFY$$^{23}$$, FPT$$^{20}$$, FZQ$$^{21}$$, FZQ$$^{22a}$$, FHWK$$^{21}$$, FJH$$^{20}$$, FN$$^{22}$$, FWNT$$^{21}$$, FM$$^{22}$$, FX$$^{22}$$, GGC$$^{vR}$$, GMB$$^{22}$$, GHY$$^{22a}$$. **equations** [GLSZ$$^{22}$$, GW$$^{23}$$, GCDT$$^{22}$$, GGB$$^{20}$$, GBP$$^{20}$$, GN$$^{22}$$, GS$$^{22}$$, GHS$$^{21}$$, GY$$^{22}$$, GKS$$^{22}$$, GLW$$^{22}$$, GHTC$$^{21}$$, GJH$$^{20}$$, GSM$$^{23}$$, HNS$$^{20}$$, HLM$$^{+20}$$, HDML$$^{23}$$, HYQ$$^{20}$$, HJ$$^{22}$$, HRRHG$$^{21}$$, HKS$$^{20}$$, Hig$$^{22}$$, HKMR$$^{20}$$, HMO$$^{+20}$$, HHL$$^{22}$$, HMXC$$^{23}$$, HcD$$^{23}$$, HR$$^{20}$$, HJ$$^{20a}$$, HLY$$^{20}$$, HNX$$^{22}$$, IK$$^{23b}$$, JHY$$^{21}$$, JTW$$^{22}$$, JCLK$$^{21}$$, JLY$$^{22}$$, JK$$^{20}$$, JK$$^{20}$$, JLQ$$^{21}$$, KCS$$^{21}$$, KEM$$^{23}$$, KBB$$^{21}$$, Kem$$^{23}$$, KSI$$^{20}$$, KDF$$^{21}$$, KHY$$^{20}$$, MMM$$^{23}$$, NC$$^{22}$$, NQ$$^{22}$$, NV$$^{22}$$, NGZ$$^{22}$$, NY$$^{22}$$, NGW$$^{20}$$, Nor$$^{22b}$$, OPM$$^{22}$$, OY$$^{21}$$, OWH$$^{22}$$, OBB$$^{22}$$, Osi$$^{20}$$, PWH$$^{+22}$$, PCB$$^{21}$$, PCB$$^{22}$$, PB$$^{20b}$$, PCQ$$^{20}$$, PH$$^{23}$$, PA$$^{20}$$, PPH$$^{22}$$, QQ$$^{21}$$, QW$$^{22}$$, RAN$$^{22}$$, REN$$^{21}$$, RC$$^{20b}$$, RN$$^{23}$$, RAB$$^{23}$$, RR$$^{21}$$, RS$$^{21}$$, SLS$$^{20}$$, SML$$^{20}$$, SM$$^{22}$$, SU$$^{23}$$, SX$$^{20}$$, SSS$$^{22}$$, SSM$$^{21}$$, ST$$^{+23}$$, SML$$^{20}$$, SP$$^{22}$$, SUk$$^{23}$$, SX$$^{20}$$, SXX$$^{22}$$, Svi$$^{21}$$, TCS$$^{22}$$, TL$$^{20}$$, TWS$$^{22}$$, TBM$$^{22}$$, TYW$$^{23}$$, TPK$$^{20}$$, TGM$$^{23}$$, TSH$$^{20}$$, TC$$^{23}$$, UY$$^{22}$$, VVL$$^{21}$$, WX$$^{22}$$, WC$$^{+20}$$, WZ$$^{21}$$, WK$$^{21a}$$, WZ$$^{22}$$, WR$$^{23a}$$, WP$$^{23}$$, WK$$^{+22}$$, WCB$$^{20}$$, WX$$^{20}$$, WHS$$^{22}$$, XBH$$^{+22}$$, XL$$^{22}$$, XSS$$^{22}$$, XZW$$^{21}$$, XJS$$^{21}$$, XS$$^{22a}$$, XM$$^{20}$$, YU$$^{22}$$, YL$$^{20}$$, YY$$^{21}$$, YCC$$^{+22}$$, YLS$$^{21}$$, YMY$$^{+21}$$, YW$$^{21}$$, YSW$$^{20}$$, ZA$$^{20}$$, ZC$$^{20}$$, ZCQ$$^{20a}$$, ZQ$$^{20}$$, ZGL$$^{20}$$, ZJZ$$^{20}$$, ZS$$^{21a}$$, ZL$$^{21c}$$, ZL$$^{21b}$$, ZHY$$^{22}$$, ZX$$^{22}$$, ZSM$$^{22}$$, ZPG$$^{22}$$, ZL$$^{+22a}$$, ZXY$$^{20}$$, ZOG$$^{21b}$$, ZH$$^{21}$$, ZZ$$^{23b}$$, ZT$$^{23}$$, ZY$$^{20}$$, aKAK$$^{20}$$, vHG$$^{+22}$$. **equidistribution** [KH$$^{20}$$]. **equilibrate** [MX$$^{22}$$]. **equilibria** [HP$$^{22a}$$]. **equilibrium** [AAM$$^{20}$$, CS$$^{22}$$, CSS$$^{20}$$, EM$$^{20}$$, EFR$$^{21}$$, FTC$$^{23}$$, GLJ$$^{20}$$, HJJ$$^{20}$$, JTT$$^{22}$$, MS$$^{21}$$, NKT$$^{21}$$, PCF$$^{21}$$, SV$$^{21}$$, TL$$^{20}$$, WL$$^{+20}$$, YhCd$$^{+23}$$]. **equilibrium-diusion** [CSS$$^{20}$$]. **EQUIP** [CHSS$$^{20}$$]. **Equivalence** [MMPD$$^{21}$$]. **equivariant** [GD$$^{12}$$]. **Erdos** [CY$$^{21}$$]. **Error** [LC$$^{22a}$$, WR$$^{23a}$$, ZPK$$^{22}$$, ALL$$^{22}$$, AR$$^{21}$$, BGG$$^{22}$$, CHG$$^{+20}$$, CMH$$^{20}$$, CG$$^{21}$$, CZC$$^{23}$$, CX$$^{22a}$$, EFS$$^{21}$$, GF$$^{21}$$, GZ$$^{21}$$, HGB$$^{20}$$, JO$$^{22}$$, LRV$$^{22}$$, LKM$$^{21}$$, LTK$$^{+22}$$, LM$$^{20}$$, PV$$^{20}$$, SL$$^{22a}$$, SB$$^{+23}$$, SM$$^{21b}$$, MM$$^{22}$$, TL$$^{21}$$, VM$$^{22}$$, ZHL$$^{21}$$]. **error-controlled** [SL$$^{22a}$$]. **Error-correcting** [LC$$^{22a}$$]. **Error-optimized** [ZPK$$^{22}$$]. **errors** [BS$$^{20}$$, FA$$^{22}$$, GE$$^{22}$$, KK$$^{22b}$$, ST$$^{+21}$$, WS$$^{22}$$, XLT$$^{+20}$$]. **ESAV** [GLL$$^{22}$$]. **ESAV-Hermite-Galerkin** [GLL$$^{22}$$]. **escape** [Sab$$^{20}$$]. **ESERK** [MV$$^{20}$$]. **ESI** [LL$$^{21d}$$]. **ESI-SAV** [LL$$^{21d}$$]. **essentially**
[BSA22, HLA20c, SSK20]. estimate [KNT22]. estimates
CBQ21, CEMO21, CPA+23, FY22, GJLD20, GRT18, GRT21, JWC20, Li22, LL21d, MHW21, MMDP21, PC22, Wan23, YGJ21a, YGJ21b, YYX21.

Expression [RHSK21]. expressions [SL20a]. extend [HMMO20].

Extended [LT21, TGM23, ACHG+21, ALL22, CMSS21, LZLZ21, LYZW21, XHS21, ZG21].

Expression [RHSK21]. expressions [SL20a].

Extended [LT21, TGM23, ACHG+21, ALL22, CMSS21, LZLZ21, LYZW21, XHS21, ZG21].

Face [KB22a, NW20, Nis20a, VKR+22]. face-area-weighted [Nis20a]. face-based [KB22a]. faces [PH21]. factor [Ara20, JLQY21, LM21c, NS22, YGJ21a, YGJ21b, OPHY23].

Factored [BB21, BB23]. factorization [CZHY20, PJBB20, TPYX22]. fail [WYP22].

Failure [TCR+20]. family [LSZ+23, OPHY23, Ran22]. far [RTTBI20, YYL20]. far-field [RTTBI20, YYL20].

Fast [AMW22, BL20, CFS23, CCAR22, DGW20, DS23, FJH20, KLP22, KCCR22, LW23, MVCF22, SGM20, Sel22, SDA+21, WZC21, WZ22, YSTK20, AF20, AZV23, CJLL21, DJZ22, DVP22, DNP23, DMC20, DW20a, DMRB20, FSB+20, GRT18, GRT21, HM21a, HKKS21, HKRS23, HQ20, KKM21, KCSV22, LCH20, LLL21, LZ21a, LHA+21, LZ22b, LA21, Mon21, OWHN22, Osi20, FWH+22, PAGJ23, RS20b, RIC+22, SL22a, Tak23, TPAPA22, TEA+23, VCPGR20, WK20, WLW+20, WZC+20, WSS22, YWL21, YZ22, aKAK20].


Faulted [HAVJ22]. FBSD [ZC22a]. FC [AP20]. FC-based [AP20].

FD [CS23, GFF20, MGF22, TB21, ZP20]. FDM [WLKR23]. FDTD [XLZ21].

FE [BB+20, VRK21a]. Feasibility [WDH+21].

Feedback [EK21]. FEM [GZW20a, LOL22, MFK21, FF22c, van22].

FEM-BEM [van22]. FEM-NN [MKF21]. few [RLH22].

Feynman [DZC+23, YZCN21]. FFT [FZ20b, FZ20b, LLF+22, RFZ22, RZ23, YSTK20].

Fictitious [OLP23, OYK+22, SGPW21, TPB22]. Fidelity [AP23, APF22, BS22b, BBF20, BPPM23, Cha21, DD22a, FJG+20, KFP+22, LZ20b, LPZ22, MK20, MBK21, RWGD22, SLF23b, XHX22, YGJ21a, YGJ21b, ZDS+21].
BDMT22, BRS22, BPT+20, CC22b, DH20, DFGR20, FMIJ21, FMOJ22, FM23, Fu20, FY22, GJLD20, GNF22, GR21, GWZ22, HHAFR21, HL22a, HZ22a, Jai22a, JTK22, KSW22, LFOY21, LLO22a, LW22a, LY22Z, LNC+21, LRT+22b, LKJL22, MS20a, MJI21, MJ23, MM21c, MM22, MKM23, MY22Z, PGS22, PN22, QHZ+22, QW22, Ri2TBZ20, SHM+23, Sen21, SRTB21, SHL+20, SLF23b, TWY22a, USRH20, VPL20, WD+21, WZCK21, XHZ22, XDCF21, YWN20, Yan21a, Yan21b, Yan21c, YT22, YH22a, YK22, YLY20, YXX22, ZY20b, ZPS22, ZG22, ZK+20, HLA22a].

eld-aligned [DH20]. field-based [YXL22]. fields [CWL+21, Cam21, GTDB22, JTW22, KLA23, KM22b, LDM+21, LG21, MGT+21, PJW21, PLV20, PRL22, RC20a, TSSOA20, WDS22, XK22, XLT+20].

Fifth [CKN22b, LXSF22, ZZ23a, ZZ23b, ZQL+22]. Fifth-order [CKN22b, LXSF22, ZZ23a, ZZ23b, ZQL+22].

laments [HCL22, JF20, RW22, STWK21]. film [ACML20a, ACML20b, PH22]. films [LWZ+21, QERT20]. filter

[AB22, BJ21, KKS22, MLCM21, TT22a, TSS+20, MLCM22]. Filtered [KMF20, LWF23, BB2B23, XJS21]. filtering


[HL20a, HX21, HXX23, HCL20, HL221, HRWP22, HXX22, HX23, HSG+22, Ij21, Jen20, JYK22, JW22, JTK22, KSTT22, K22a, KCK21, KCD+23, KK20b, KdL20, KB22b, KK21, LBC23, LFP+21, LL21a, LG22, LLF+22, LOL20, LI20, LZZ22b, LB21, LG21, LZ22a, LL22, LCR22, LLPL22, LSZ+23, LH20, LRAQ22, LR21, LC20, LSZY20, Liu20b, LT20b, LFF21, LZL21, Lin21, LSY+22, LSF+23, LF23, LM20c, LAN2, LY22c, MZ22, MCP23, MY23+23, MML+21, MR23, MFK21, MD22, QC22, NFA21, NW20, NYY22, NW20, Nis20a, Nis22b, NVK+22, OGG20, PHP21, PWXY22, PP22b, PPP21, PBGB21, PRL22, QC21, RFZ22, RZ23, RRH+21, RAZA21, RPDO+21, RW22, RMWS21, SMSAG22, SOSM20, San20, SOV21, Sar21a, SWG+20, SGW+23, SPF21, SEG21b, SGT23, SHL+20, SBM20, SMRW22, SST+23, SS+20, SL20, SLNM21, SC22d, SN21, TCS22, TCK+22, TM20]. finite [TVL+22, Ul20, VMO21, WW20b, WYHL21, WTX+21, WCF+21,
WZTZ21, WZV21, WVRLG23, WCB20, XC20, XDLX21, Xie22, XC23a, XBR21, XHS21, XM20, XSA21, YLK20, YLNT20, YCH21, YLYL22, YH22a, YRC21, YLS21, YMY22, YFL21, YL21a, YKFH23, ZOG22, ZZ20, ZA21, ZL21b, ZWZL22, ZDW22, ZHY22, ZX22, ZZZ2a, ZXX23, ZR20, ZR21, ZZZ2b, ZSQ21, ZL22, ZPK22, GAB22b, HMJ22.

finite-difference [ACR23, CBF22, JTK22, LRW21b, Liu20b, SOV21, SGT23, SSG20, SN21, XBRL21, ZL22b, ZPK22].

finite-element [Abg20, LLF22, Li20].

finite-element-based [NFA21].

finite-grid [SC22d].

finite-rate [MLM21].

finite-strain [LBC23].

finite-volume [BHVJ22, BFI22, BSA21, BR22b, CZLC22, CLXS23, DVS22, DevW20, GSFH22, NW20, Nis20a, Nis22b, OGG20, PBGB21, PRL22, RPDO21, SMSAGG22, SGW23, SEG21b, SBVM20, ZB21a, HMV22].

First [GKA22, SL20b, SL22b, UY22, ZM21, AN21b, CP20, FPT20, LsCxL20, MR23, SZ21, WMTQ20, WW20b]. First-order [SL20b, SL22b, UY22, CP20, FPT20, LSCL20, SZ21, WMTQ20, WW20b].

First-passage [GKA22, ZM21, AN21b, CP20, FPT20, LsCxL20, MR23, SZ21, WMTQ20, WW20b].

Fisher [LLW20b].


Yan21c, YA21, YRH22, YZH2a, YZK20, YLF21b, YKFH23, YP22, ZZC20, ZL21a, ZHPZ21, ZPW+23, ZJ21, ZLB22, ZJSX23, ZZX20, ZF20, ZD21, ZSKN22, vHP22, vdEW23. **flow-acoustic** [EK21]. **flow-coupled** [Yan21c]. **Flow-driven** [EPL21, EPL22]. **flow-finite** [ZJ21]. **flow-induced** [FTP20, ZHPZ21]. **flow/porous** [SWG20]. **flow/porous-medium** [SWG20]. **flowfields** [MHWY21]. **flows** [ARTB20, AF20, AKWY20, ASVL23, BAT23, BL22a, BDBB22, BB23, BB20a, BV20, BV21, BBD+20, BL21a, BDWC23, BDF+23, BDMP22, BSV22, BFNK+21, BDB21, BMQ20, BDMT22, BFC23, Cal21, CCPS21, CAF+22, CPX22, CSDL20, CDLX23, CZL20, CLJ+20, CDX+21, CW22b, CAT20, CBB20, Ci21a, Ci21b, CRF+21, CCB22, CCMC20, CSdP+22, DVS22, DCHF21, DDVO21, DiJ+22, DZL+22, DEvW20, DC21, DJ20, DPK23, DS21, DY22d, EGTC+21, EM20, Ed22, EAA+22, EFO19, EFO20, EG23, FZL20, FQSW23, FZ23, FCW21, FWG22, FTC23, GDBFN+20, GQS20, GMMS22, GIF20, GLK20, GTA20, GWF22, GCL+22, HPW21a, HKJ21, HV20, HYSS22, HRY+22, HZHL22, HCL22, HGH20, HBF22, HSMR20, HGB20, HcdM23, HT21b, HY22, HLA20b, HLA20c, HLA21, HLA22a, HLA22b, HZ22b, HP21b, IT22, JHJ20, JMAK22, JMM20, Jai22a. **fluctuating** [MGP+22, MTK22, RPA22, RPDO+21, YR22]. **Fluid** [CMPZ22, DJ20, FMB20, KIH21, MS20a, MKB20, VSS21, ALMF23, AS21, ASS21, ASVL23, BAT23, BL22a, BV20, BV21, BTZ22, BVRS22, BFI22, BL21a, BPG21, BBK21, BTL23, BST23, BPS21, CAE+22, CNC21, CPG20, DC21, DSS20, DS21, DC22b, DGPP22, DF20, EG20, FTP20, FADJ20, FGL+22, GDLL22, GQF23, HdB20, HLA20a, HZTN21, HSX22,
He22, HVB21, HL22b, HW20a, HM21b, HSB20, HT20, IMJ20, JAW+23, JRY+20, JLCT22, KBS+21, KKS+21c, KCP20, LPM+20, Len20, LLD20, LDLW21, LZX+22a, LQXM22, LZ22b, LOL22, LHT21, LRW21b, LBM20, LSLH20, LT20b, LFL+22, LMR20, LHFH20, MWY+20, MJ23, MHWY21, ML20, MT21, MRT+22, MD22, MMRP22, MMdMB22, NIT21, NG22, NAZ22, NZXM21, NKA+20, OB20, OSL22, PSJ23, PPV+21, PAM23, PBVC22, QKG21, Rei22, RV22, RPA22, SOSM20, SBH21, SCB20, SPF21.

uid

uid-electron [SRV21, SC22b, TF20, WCM+21, XS20, YLW21, YK20a, ZZML20, ZZC20, ZRH21, ZQC+23, ZJSX23, ZMW23, dKSA21, KB22a, PJR23].

uid-kinetic [HSB20].

uid-level [MMdMB22].

uid-particle [HW20a, LDLW21, ZQC+23].

uid-poroelasticity-structure-contact [ASW21].

uid-rigid [OSL22].

uid-solid [HVB21, JLCT22].

Fluid-structure [VSS21, ASS21, BFI22, BPG21, BBKB21, BFST23, CPGD20, FADJ20, GQF23, HLA20a, HSXZ21, He22, KBS+21, LLD20, LOL22, LRW21b, LT20b, MWY+20, MJ23, NG22, NZXM21, PBVC22, QKG21, Rei22, RV22, RPA22, SOSM20, SBH21, SCB20, SPF21].

uid/free [JRY+20].

uid-fluid [DKM+20, BBV23, CY22b, CHL20, DeEvW20, HdB21, HSK+21, HKJ21, JF20, KAO+20, LRT13, MWY+20, MMM23, SWHJ22, TWY22a, UBT22, WFT22, dv23]. Fluids-membrane [DKM+20].

uid-flux [CKLZ23, GMD22, Kiv21, PKL+21, WWN+22, ASKH21, AKWY20, BKC22, CNC21, CBV23, CN21, CND22, CDN+22, DGW22, FSM+22, HYQ20, KhdM+22, KLX23, KdL20, LLO23, LSZY20, LFZ21, LsCxL+20, LLD+22, Nis22b, PV22, SYOS19, SYOS21, SS22c, SOBP22, TNB21, Tow20, WBN21, WGY20, Xia21, YU22, YFY22, YOH+20, dMKJ+22]. Fluid-aligned [WWN+22]. Fluid-correction [Kiv21]. flux-enriched [WBN21].

uid-preconditioning [GMD22], flux-tube [SOBP22], fluxes [CFB22, EG20, Nis20d, Ran22, SCdhJ20, YJSX22]. flux [ASVL23, Qia22].

uid-FMM [Sel22, CTG23]. FMM-accelerated [CTG23]. FMM/BEM [Sel22].

uid-focus [CHS20]. Fokker [CH22, NGK+21, SS22a, SMAY22, FN22, GT21, HGH20, HLEXZ21, HJJL20, Le21a, LJJH23, LRW21a, TWL22]. following [Bal21].

uid-force [ACHG+21, CLL20, Heu21, HLA20c, HX23, LZX+22b, LKG+20, LKLJ22, Nis22a, YP22]. force-balanced [CLL20].

uid-forced [SKS21].

uid-forced-flight [SKS21]. forces [Ish22, ZTS20]. Forchheimer [FGTY23].

uid-forcing [BBGT21, GF21, Hig22, JG21, KKSY21, QG21, ZB21c].

uid-forming [KH21a].

uid-forming [CPH+22, HMMO20, KH21a, LO23, LBT+23].

uid-forms [SGS21].

uid-form [Bal20, CCE+22, CND22, Ed022, HRRHG21, HWDM22, KSBG20, MD20b, OP20, SKTK21, TXH+21, TSTH20, WKW+22, XZW21, XZRW21].

uid-foremals [CC22b, FDP20, LL21c, WRH20].

uid-formula [MSK+22, ZBB21].

uid-formul [GMRS20, KK22b, LKEM21].

uid-formulae [YRC+21].

uid-formulas [YRC+21].

uid-formulation [BBDT21, DGS20, AFS+23, BTL23, BE20, CPT23, CPGD21, CPGD20].
DFGR20, EJ23, EFO19, EFO20, GPHAPR^+22, GLT^+20, HPW21a, HLB20, Hef21, Hig22, JW21, KSW22, LGY^+20, LHC22, LLL22, LHT21, LMZ^+21a, LMK21, LLN22, MS20a, MCT21, MFRZ22, MD20c, MS20b, Nor22b, PHHJ22, PCB21, PRO22, Rei22, Sar21a, Sei22, SMRW22, Yan21a, ZSY21.

Formulations [TLWM20, DY22c, KGN22, LL21a, LJZK21, Mar20, TBD^+20].

Forward [CCMC20, BS22b, BJW20, CZ22a, CY22a, CCB22, FCY20, GWZ22, LG20, LWZ22, LMK21, RB22, YMK21, YNDH22].

forward-backward [CCMC20, BS22b, BJW20, CZ22a, CY22a, CCB22, FCY20, GWZ22, LG20, LWZ22, LMK21, RB22, YMK21, YNDH22].

Forward [CCMC20, BS22b, BJW20, CZ22a, CY22a, CCB22, FCY20, GWZ22, LG20, LWZ22, LMK21, RB22, YMK21, YNDH22].

forward-backward [CCMC20, BS22b, BJW20, CZ22a, CY22a, CCB22, FCY20, GWZ22, LG20, LWZ22, LMK21, RB22, YMK21, YNDH22].

Formulations [TLWM20, DY22c, KGN22, LL21a, LJZK21, Mar20, TBD^+20].

Foundations [BL21b].

foundations [KNG22, KGN22].

four [FMS21, RR22].

four-phase [FMS21].

Fourier [DC22a, FFY21, GKR^S22, HQ20, Lak20, MYZ22, MFS^+22, Per23, RHG22, SJGC21, WWG20, ZJK20].

fourth [FZ20b, GU20, HCL20, HSW22, JRD22, LZZ22a, MZZ20, OGG20, RZZ23, XY20a, Yin21, ZLW^+22a, vHP22].

fourth-order [FZ20b, GU20, HCL20, HSW22, JRD22, LZZ22a, MZZ20, OGG20, RZZ23, XY20a, Yin21, ZLW^+22a, vHP22].

fraction [Cam21].

Fractional [HZ21, KS22a, SW23, ASSZ21, BL20, BCJM20, CA22a, DGW20, FTPB23, GLLM22, HLM^+20, HKKS21, HHR^A19, HX21, HL20b, HRG20, LSC20a, ILT20, LPG^+20, MD20a, NMGR21, Pan20b, PCB21, PCB22, PSRM20, QW22, WCF20, YLNT20, YWCI22, YY22, YWLL21, YZZZ22, Yan21, ZSJ20, ZOG21b, ZMG^+22].

Fractional-step [SW23, PSRM20].

fractionally [KS22a].

fractions [KB23].

Fracture [BBV23, BVRS22, BDMP22, Da22, DAI22, HSG22, ND20, NZZ^+22, POS^+20, SBVW20, WY22a, WY22b, XY20b, XHY23, ZAZ21, ZHP22].


fractured-porous [PPV^+21].

fractures [FGF22, HdB20, ZF20].

fracturing [BR22b].

fragmentation [KOM^+22, Sin21, SMR22].

Frame [OLP23, AFPS22, PB22].

Frame-invariant [OLP23].

frames [LHC22].

framework [ARTB20, AP23, BS22a, BPBM23, BNP^+22, CLDC20, CHL20, DZJ22, Den23, DEV20, DBD21, DPX23, DGS20, DGW20, EM20, FGF22, GGEJ20, GAB22b, JN20, KK20a, KH21a, KRL21, KCT^+23, LFA21, LHXZ22, LW22a, LOL22, MO22, MHW22, MMDB22, MM23, NGZD22, PBGB21, QERT20, RWDG22, Sar21a, TM20, TPB22, WDL^+21a, WMTQ20, WWY21, WWFM22, WA23, YCH21, XZBS22, ZLG^+23, ZL21d, ZW22, ZSM22, ZJ21].

frameworks [PBN^+21].

Fredholm [HJ22].

free [ADK^+21, ABH21, ASG^+23, BRZ^+23, CDL21, CGJM21, CKN22a, CcDS20, CMNS21, DW20b, EFR21, ELSV22, Fu20, GQF23, GMMS22, GDB23, HNS20, HYM20, HT21b, HXQL23, JKZS21, JRY^+20, JJ21, KTB20, KSH22, LZZ23, LL21a, LZZ21b, LM20b, LGZ21, LMM^+21a, MZZ22, MK^+20c, MSK^+22, NMR^+21, OY21, PH22, PLK22, Pop20, SL20a, SBH21, SWG^+20, SGS^+23, SCS22, SHM^+23, SY21, TOH23, WZ20, WP21, WDS22, XY20a, YKLL21, YYJ^+23, vdEW23, PRK23].

free-boundary [EFR21, MZ22].

free-energy [MRK^+20c, NMR^+21].

free-energy-based [HT21b].

free-fl ow [SGW^+23].

free-surface [GQF23, HXQL23, JKZS21, LZZ23, LMZ^+21a, MSK^+22, Pop20, SHM^+23, YYJ^+23, vdEW23].
freedom [PZZ23]. freezing [LWZ21, SDP20]. frequencies [FCGKR23].

Frequency

[vHG22, Ani21, CBF22, EJ23, GLT20, HHK23, ILX22, JL21a, KP23, 
KF23, LE21b, MGA20, SH22, SZ21, TB22, TZNHD20, XSC21, YCC22],
frequency-dependent [XSC21], frequency-domain [KP23, TB22].

Frequency-robust [vHG22]. friction

[CFS22, GBLT20, WWYC21, YX21]. frictional [BDMP22, MCT21].

Friedrichs [OKTD21]. friendly [BZC22]. front

[BTCV22, GeWD22, IKP22, TZ21, FO22]. front-tracking fronts [Liu21].

Frozen


Frost

[GB22b]. FGT [GB22b]. Fuchsian

[BL21a]. Friendly

[AN21b, EEG22, AT20, AL21, BS20, DKM20, DW21, Dup21, LMHL21, 
MCBA20, QCWC23, TZN20, YWN20]. full-body [QCWC23]. full-field 
[YWN20]. full-potential [Dup21]. full-range [MCBA20]. Full-waveform 
[AN21b, AL21]. Fully

[CK21, FTK23, LYS22a, LLCK20, TB20, WZSC22, YH22a, Abg20, AT20, 
ATCS20, BB20a, BGGM22, CY22b, CYS22, CKLM23, CEBG22, CMS22b, 
DDVO21, FCWS22, GBLT20, GNF22, HHS22, LSS20, LTD21, LLD20, 
LT21, MJ23, PP22b, PGMT23, QCWC23, RR22, SM21a, SRTB21, 
TCK22, TH23, VMO21, Yan21c, YTK22, ZAL21, ZHY22]. fully-decoupled 
[CY22b, Yan21c]. fully-discrete [HHS22]. fully-implicit [TH23].

fully-ionized [CMS22b]. Function

[BB21, BB23, CJT20, CL20c, DYM20, DJ20, GMB22, GKR22, 
HZN21, HYM20, JYY22, KLN20, KL22, LSC20a, LYS22b, MGL21, MK20, 
Ste22, TVL22, TYP22, YDC22, ZCH22, ZCY20]. function-based 
[LYS22b, ZCY20]. functional [AFL22, BGSP22, LRVF22, MYM22, 
RPDO21, TM20, GVK21, WZ21a, YB22]. functionalized [ZOWW20].

functionals [CX22a]. functions

[Bar21a, BFL20, CCL22, CC22, CHL23, DN21, DW20b, FZS21, 
GJ20, GD21, Hac21, JKK20, KKN20, KEY20, KB22b, LCL22a, Li22, MO22, 
Per23, PKL22, WQZP20, WSAZ22, WWZ20]. fusion

[BS22b, PRG23]. FV [NCQ22, BBD20, PWH22]. FV/FD [BB20].

Galerkin

[LMFV22a, ZCQ20a, ADK21, AD22, AÖR22, Arr23, ALM23, 
AMM20b, AMM20a, ADM22, AM22, AHWZ20, AMM23, BL22a, Bal20, 
Bal21, BRT22, BZSF20, BCF22, BGGM21, BK21, BWG20, BNN20, BV22, 
BX20, CHS20, CQY21, CBQ21, CWW22, CK20, CL22, CLDC20, CTG23, 
CZL20, CKLM23, CBB20, CI21a, CI21b, CXX2a, CXX2b, CC22, CCN23, 
CMRR21, DEN22, DY22a, DCG20, DH20, DHR20, DY22c, DY22d, DSZ22, 
DT20, DK21, EM20, EH22, FMMK20, FHMK21, FGY22, FCL21, FX22, 
FCY20, GQR21, GK20, GAB22b, GC20b, GAC20, GHTC21, GLLM22, 
Hac21, HMV22, HYQ20, HTL21, Heu21, Hig20, Hig22, HSM20, HQ22, 
HR20, HLY20, JTW22, JK20, JK20, JJ21, KNLB21, KGB20, KSBG20, 


Galerkin, Galerkin-Finite, Galerkin/Hermite, Galilean, games, Gas, Gappy, gaps, Gas-dust, Gas-liquid, gas-water, gaseous, gases, Gaussian, Gauss, Gauss-kriging, Gauss/anti, Gauss/anti-Gauss, Gegenbauer, General, generalised, generalization, GENE, GENE-3D, GEGS4-1, GEGS4, GDM, Gegenbauer, GEGS, GEGS4, GEM, GEM-3D, GEM4, general, generated.
[AWB+20, LX21, NTSM20, TVL+22, TSS+20, WXZ22], generating
[CP22b]. Generation [KKN20, ADM+21, BGR20, KL20, KKM21, LPS21,
MN22, VCNC+21, WWN+22, YJK21, YKdHC20]. generative
[GN22, KS22d, RK21, WW20a, WD23, WKA+20, XZ22], generator
[PWXY22], generic [ADJ23, HX23, KKN20], genetic [XZC20]. GenMod
[WD23]. Gennes [GC20a], gentlest [LYX23], genuinely
[QSZB20, ZQS+21, ZQL+22]. geodesic [K22b, ZAMG20]. geological
[KFSM21, KH21b], geology [ND23]. geomechanics [BKMC21, DZJ22].
geometric [BGNZ22, CVM23, CMS23, CS21c, EBC+22, MMZR21, PP22a,
RGR21, RAZA21, SMV22, TACO22, ZP20]. Geometrical
[BMV22, HCL22, FMB20, LBN21, MKB20, PL20, ZZN22]. geometries
[AZV23, BG20c, CCM+22, CLP21, DFW22, GAB22b, GFF20, HST22a,
JHY21, KM22b, LLN22, MWY+20, MBE21, MRZ21, RKA+23, SV23,
SRTB21, SY21, Ste22, TB21, WZBV20, XLS22, YGL20, YB22, ZG21].
geometry [BT22, DS20, FLZ20, FLW20b, GSW21, Gar21, LHM20, LJJK21,
MJ23, MBBV22, QJL23, SYOS19, SYOS21, TNB21, VCPGR20].
geometry-adaptive [GSW21]. geostatistical [ZZK20]. geostrophic
[CHT20]. Germano [TL21]. ghost [ACR23, BL22a, BV20, BV21, CAT20,
CSLC21, Coc20, CMS23, EG20, JG21, LSZ21, OCGT22, WCF+21, ZL22].
ghost-cell [CAT20, CSLC21, JG21, OCGT22]. ghost-point
[ACR23, Coc20, CMS23]. Gibbs [CS21b, RS20c]. Gilbert
[CCWX22a, LXD+20, YCH21]. GINNs [HTKT21]. Ginzburg
Glauert [BRT22]. GLM [CPGD21, DFRG20]. Global
[Bha20, CV23, FFGRLS+20, SPPV20, LT22a, LP23, MND+20, QCD21,
STEK17, STEK22, SMS23, SOBP22, WK20, Yan21a]. globalization
[CKLZ23, KJXZ23]. globally [KBCH20]. GMLS [GTKA20, GKA22].
GMsFEM [CP20]. Goal [DSSSP20, JO22, AF21, FC21]. Goal-based
[DSSSP20]. Goal-oriented [JO22, AF21, FC21]. Godunov
[sCPLL+22, GCLM22, HKS20, LL21b, MMM23, WBN21, XZC21].
Godunov-type [sCPLL+22, GCLM22, LL21b, XZC21]. Gordon
[GLMM22, SZ21, AZ22, JW20, SQSS20], governed [HYZ22, SRH21].
governing [RN23, TL21]. GP [BL22b]. GP-MOOD [BL22b]. gPC [Poé22].
GPR [DD22b]. GPU [LZC+23, RKA+23, SAL+20, WCP23].
GPU-accelerated [RKA+23]. GPUs [CDK+23, ZO21]. Grad [ELSV22].
Gradient [CBA+20, DBT+20, HSW21, HW20a, AE20, BZ20, BCC+20,
CL21, CN22, GWC+22, GZW20b, HCCR22, KS22a, Kar22, KNS21, Lem20,
LW20b, PHX23, SML20, TTT2b, TWF+20, WQ20, WDL21b, WDL21c,
WK21a, Wan22, YHC+22, ZEG21, BMBQ20]. Gradient-based
[CBA+20, GWC+22, KNS21, YHC+22], Gradient-consistent [HW20a].
gradient-index [SML20]. gradients [NW20, WH22a]. grained
[BT21, RK21]. graining [CPX21, KK20a]. granular
[BFNK+21, EM20, LY20a, YYJ+23]. Graph
[FBD+22, HTKT21, CCF21, PGS22]. Graph-based [FBD+22].
Graph-Informed [HTKT21]. graphene [SML20]. graphics [BEP+20].
[AFV20, DDVO21, MFRZ22, TPK20, WKW+22]. gray [XSSS22, XJS21].
greedy [DFP+21b, FZS+21]. Green [BB21, BB23, GKPT22, RH5K21, TGM23, VGK21, BFL20, CCM+22, DBT+20, DYM20, GMB+22, GKR22, GD21, Mar20, MGL21, MNM23, RB22, Vre17, Vre20, Vre21b, Vre21a, ZLW22b].
grid-aligned [BV20, FAHA20]. Grid-characteristic [KFSM21].
grid-free [SL20a]. Grid-point [CB23]. grid-robust [USRH20].
grids [AAH+20, AD20, ADM22, AM22, Bar21b, BCT22, BG20b, BDF+23, BLM22, CDBS21, CZLC22, CDX+21, CW22b, CTC22, CQA21, CIM2G21, CPBB21, CA22b, DDR22, DVS22, DSS20, DW20a, EGT+21, Eld22, ELSV22, FL21, GAB+22a, Hac21, HRWP22, HX23, JGM+22, KKN20, KIHB21, KK21, LKM22, LD20a, LWR20, LP23, LCN20, LSZY20, Lsn21, LYS+22b, LSY+23, LEH+21, LFC20, MK21, MDF21, MNM23, NW20, Nis20a, Nis20b, Nis21, Nis22b, N21, OP20, PA21, RE20, SGB+21a, SCS22, SEG21b, SEG22, SC22c, SI22, VPDD22, WY22a, WY22b, XJ+20, XDLX21, XHX22, ZB21a, ZCL20, ZPW+23, ZL22]. Gross [FJ21, FHJ22, AST21, FZL20, HSW21, Lak20].
ground [CL21, CDLX23, DZJ22, GD21, LWH+20, Wan22, ZCH22].
GRP [ZL22b, LF23]. Grüneisen [LZS22a]. Grüneisen-type [LZS22a]. guaranteed [YD20]. guess [VdGP20]. guided
[ACD23, CHZ+21, WCZ22, XZRW21]. guidelines [GDP21]. guiding
[AK20, LAT+22, PK20]. guiding-center [AK20].
Gummel [Kan20, NBR22]. Gummel-based [NBR22]. Gurtin [XHLB22].
gyrokinetic [MND+20, SOBP22, SC22a]. gyroscopic [EJ22].

H [Pan20b, KRL21]. h-adaptive [KRL21]. Hagedorn [GR21]. half [GJL20].
Hali [MHZ22b]. Hamilton [CSY20, DM21, FPT20, GHTC21, KNT22, RB22].
hardware [HM21b]. harmonic
[AHG21, DW20a, DV22, LE21b, MDG20, VCNC+21, RB21]. harmonics [Gar20, Gar21, LS22, SL20a]. harmonics-based [SL20a].
Harten [Ram21]. HCP [CHZ+21]. HDG [Mar20, Fu20, KGBT20, MBTS20, Sev21].
HDG-DG [KGBT20]. HEALPix [DW20a]. heart [DVY22, DFP+21a].


heat [ADK+21, CLS+20a, CL20d, CNCM21, HGV+21, HRG20, ID20, KS21d, LCS22, LYS+22b, OCGT22, TFCH22, WZCK21, XC23b]. heated [MCBA20].

Hedging [OGVM22]. height [HZTN21, HPS23, KRG+23].


SEG22, SRV21, SWF21, SAP22, SLF23b]. **high** [SFNM^+^21, SS22c, SZ21, SSS22, TFWX22, TTY22, TCS22, TL20, TWY23, TCA21, TJC21, TZNHD20, Ui20, VVRWT21, VOL23, VSB^+^22, WGY20, WTX^+^21, WCP23, WABK21, WZBV20, WGY^+^21, WWLZ21, XZ22, XDLX21, XHHX22, XCL22, XBR21, YSCM21, YLC21, YJSX22, YOH^+^20, YCC^+^22, YWLL21, ZSP20, ZBY20, ZB21b, ZZZ22, ZCZ22, ZLG^+^23, ZYW21, ZML20, ZL21a, ZL21c, ZC22a, ZYX^+^23, ZHR20, ZJSX22, ZJSX23, ZSQ21, ZWZ2b, ZO21, ZOEL20, vNGB22, Der23]. **high-contrast** [AH21, RSA^+^20]. **high-dimensional** [ALFN22, BCWD21, CNBH23, CL20b, DV20, EHL^+^20, GW23, GY22, HLZ20, HZD21, HGSK22, KTBP20, KV20, KLG^+^22, LLR23, LD22, TTY22, TL20, TWY23, XZ22, XCL22, ZBY20, ZZZ22, ZCZ22, ZC22a]. **high-fidelity** [AP23, AFP22, BBF20, SLF23b, XHX22]. **high-frequency** [CBF22, MGA20, TNZH20, YCC^+^22]. **high-index** [ZYZ^+^23]. **high-Mach-number** [vNGB22]. **High-order** [BGH20, CPX22, CF21, DY22d, DT20, DT21b, DT22c, FHWK21, GC21, GLY20, HPPZ20, HRWP22, KS22c, KS22b, KL22, KK21, LCL22a, LJW^+^22, LVK^+^22, LH20, LSY^+^23, NFL^+^21a, NFL^+^21b, NBR22, NKW22, PZ20, Pan20a, PP22b, PBN^+^21, PGMDT23, RMW21, Say22, SBL22, XBH^+^22, XM20, YU22, ZQ20, ASG^+^23, ADP22, AP20, AZV23, AMM^+^20b, BBH^+^20, BL22b, BL21b, CDK^+^23, Cam21, CPX21, CBF22, CND22, CDN^+^22, CLP21, CCB22, CCL20, CMRR21, CNCM21, CA22b, CCLM22, DHM21a, DS22a, DC21, DHR20, DY22b, DY22c, DK21, DGW22, FMK20, FML21, GDL22, Gla21, GDB23, GZ20b, HMV22, HGB20, HKRS23, HL20a, HZ22b, dMK22, JZSX2, KBB21, KLF22, KD22, KD21, KD20, KdL20, LC20a, Li20, LLQC21, LCR22, LLZ23, LRW21b, LM20a, LS23, LYS^+^22b, LsCrL^+^20, LZCD22, MHW22, MGA20, Mon21, NS22, Nic22, NGK^+^21]. **high-order** [PPP21, PM21b, PS22b, PD21, QG21, RUG20, Ren21, SMSAG22, SEG21b, SEG22, SRV21, SWF21, SAP22, SS22c, TFWX22, TJ21, VVRWT21, WGY20, WTX^+^21, WCP23, WABK21, WZBV20, XDLX21, XBR21, YSCM21, YJSX22, YOH^+^20, ZSP20, ZML20, ZL21a, ZJSX22, ZJSX23, Der23]. **high-order/low-order** [PM21b]. **high-plasma-frequency** [SZ21]. **high-resolution** [HKS20, KIHB21]. **high-Reynolds-number** [YLW21]. **high-speed** [DLM^+^23, HBFB20, HZ22b, NKA^+^20]. **high-throughput** [ZO21]. **Higher** [ASVL23, BBW^+^21, VVL21, VK22, YGL20, ZF20, BL20, CS22, DYG22, GCSH22, IMJ20, PH22, WHS22, YK20b, ZQS^+^21]. **Higher-order** [ASVL23, BBW^+^21, VK22, YGL20, ZF20, CS22, DYG22, IMJ20, PH22, WHS22, YK20b, ZQS^+^21]. **Highly** [YM21, YZW23, ZQYS20, BM21, BBK21, CMR21, DDR22, DV22, FCY^+^20, FP23, HP21b, KTDG22, KCT^+^23, KDB^+^20, LLZ23, LL21d, MHW21, MD22, QCW23, ZD21, dSl*A^+^22]. **highly-concentrated** [ZD21]. **highly-flexible** [KCT^+^23]. **highly-Stable** [BFM21, CMR21]. **Hill** [GLT^+^20]. **Hilliard** [CZ20a, GHHR22, LFP^+^20, ZH21, CWW20, DWWZ21,
Hilliard-extended-Darcy [LYZW21].
 implicit-explicit
[BCP22, MYM +21, SMR22, VN21, ZH20]. implicit-PIC [SC22b].
implicit-solvent
[LZC +23]. Implicitly
[ZA20, Say22, XY20a]. implosion
[HNF +21]. importance
[CBF22, EKPS23, Gri20, Sha21, SBJ +23, WW20a]. imposing
[PAGJ23]. imposition
[GS22]. Improved
[Bar21a, PJBB20, BLL19, BLL20, CPBB21, DSZ22, HSH20, HYZZ22, JYY22, JW21, LCG22b, LSX20, LXD +20, LZPM22, LGM +21, LpW21, WMTQ20, WY22a, YFFL21]. Improvement
[CHF21, Ik23b, ALCZ20].
Improvements
[CCH20, JG21]. improves
[Nis20a]. Improving
[BW23, GDL23, HB21, JZZ22, Scm21, VdGP20, BBDT21, OGG20, RGRS21]. In-cell
[PGCC +22]. in-nozzle
[GPSMH20]. incident
[CDL21]. including
[ABH21, HPW21a, HLA22a]. inclusion
[MBDS23]. inclusions
[CHZ22, GL2L]. incomplete
[KU23, XZ20]. incompressibility
[GGB22]. incompressible
[ADK +21, ALMF23, AF20, ASS21, BDB22, BCT22, BDB2, CLD20, CAT20, CK21, CP2K, CVM23, Cdc20, CSD +22, DEvW20, DC +21, EGTC +21, Eld22, EJ23, FHK21, FQSW23, Fu20, GB20, GGL +22, HV20, HBF22, HMO +20, HLA21, HLA20b, HLA20c, HLA21, JCKL21, KM22a, KSS21, KM22b, KWDS22, LLKY21, LN21a, LG20, Li20, LCSZ21, LZZ21b, LWF23, LNYD20, LSYZ20, LMZ21b, LYS +22b, LY22c, MRK +20a, MRK +20b, MOCR22, MDF21, MHY20, MMYT23, M22, MS20, NFL +21b, OLS21, PS22a, San20, SBH21, SOV21, SEG21b, SV21, SV23, SAS +21, SUL +20, St20, TWY22a, TGS +22, Vre17, Vre21a, WQZP20, WYS20, WHS22, XHXX2, XC23b, YLW21, YRHN22, YM +21, YNS23, YDC22, ZLG +23, ZBYS20, ZC20, ZHY22, ZPR22, ZWLG23, ZPW +23, ZCY +21, ZO21, ZOL20, vHP22]. incorporated
[MKHI20].
Incorporating
[KK20a, Sin21]. indefinite
[DV22]. independence
[HZ22a, KBB +20]. independent
[Bat20a, CEV21, CEV22, OPHY23, YYY +22]. index
[HST22b, SML20, ZYZ +23]. indicator
[FL21, WWZ20]. indicators
[FPT20, Vev21, WWL22]. indirect
[HXFD20, WZ21]. individual
[MM21a]. induced
[BLL19, BLS20, DU20, FTP20, MM21a, NV +22, PPH22, ZHPZ21, ZJ21, ZMW23, ZAM20]. inducing
[DER21]. induction
[LL22, VVWT21]. inductively
[GL2B20]. inelastic
[KH21b]. inertial
[AHR20]. inextensible
[LF20, OL20]. inference
[BGH21, Bri22, Ik23a, LCG22b, LSL20, LLTY23, MLCM22, WLS22, WPBS22]. inference-based
[LLTY23]. Inferring
[CWL +21]. infinite
[GD21]. inflow
[KL20, LYL20]. inflow/outflow
[LYL20]. influence
[KGSK23]. Information


integrations [HZB+21]. integrator [CEMO21, CCE+22, DSG+22, EOP20, GJLD20, JWC20, KCCR22, LPP+20, Lee21, Li22, RC20a, TCA21, Ume23].


J [Abg20, ACML20a, BLL20, EFO20, GRT21, HPA22, LMVF22a, MM22, SZN20, SYOS21, STEK22, SS22b, Vre21b, Vre21a, YGJ21a, ZCQ20a, ZC22b]. Jacobi [BCJM20, CSY20, DM21, FPT20, GHTC21, HA21, KNT22, LPP+20, MYL21, PKL+21]. Jacobian [CT22, GDB23, HBF20, LL21a]. Jacobian-free [GDB23, LL21a]. January [Ano20c, Ano20q, Ano21e, Ano21q, Ano22e, Ano22q, Ano23c, Ano23i]. Jordan [GMR20]. Joseph [QHLL20]. Josephson [GLJB20]. Journal [Pan20b]. July [Ano20f, Ano20r, Ano21f, Ano21r, Ano22f, Ano22r]. jump [BG20b, Cal21, CK21, CCdS20, WZW21]. junctions [GLJB20]. June [Ano20g, Ano20s, Ano21g, Ano21s, Ano22g, Ano22s, Ano23d].

k-exact [SEG21b]. Kac [DZC+23, YZdCNS21]. Kalliadiasis [Abg20]. Kalman


kinetic

[AP21, ATCS20, BBC21, BR22a, BTZ22, BJR22, CHS20, CPX21, CPX22, CDT22a, CB23, CBRY21a, CBRY21b, CV23, CEM20, Edo22, EFSH21, GRC+22, GT21, HGH20, HL22b, HPW21b, HS20, HJJL20, JM22, JZSX20,
kinetic-diffusive [MRBS22], kinetic-energy [KK21], kinetic-energy-preserving [Edo22], kinetic-fluid [BTZ22, HL22b], kinetic-ion [SC22b], kinetics [ACR23, KOM+22, KAC22], kink [HCL22], KIOPS [GRT21, GRT18], Klein [AZ22, GLLM22, JWC20, NMGR21, SQSS20, SZ21], KNOSOS [VCPGR20], knowledge [CHZ+21], knowledge-based [CHZ+21], Knudsen [LSC+20c], Kolmogorov [BF22], Koopman [KLF22, LJ21, LL21c, MRG21, ZSM22], Korteweg [DD22b, HKMR20, KMR23], Kramers [NMGR21], Kriging [CGC21, FLW20a, RBBD22, HSH20], Kronecker [CCE+22], Krylov [FZLL20, FJ21, FHJ22], Kutta [ALMF23, ADP22, BD20a, CBQ21, CdS22, FY22, GMA23, JLQY21, KBCH20, KSS21, KS22b, LNF20, Mar20, MYP22, NS22, NNJ21, NV22, SM22, SW23, VL20, VN21, YYX21, ZQYS20, ZHR20, ZH20, ZQS20], Kutta-Summation-By-Parts [LNF20], L [TZNH20], L-Sweeps [TZNH20], L1 [YWCIL22], L2 [QW22, Sar21b], L2-minimization [Sar21b], laden [CW22b, FJG+20, PA21, RR22, RE20, SGPW21], Lagrange [BLL20, AST21, BLL19, BHK+22, CBB120, CCB22, HBF22, SGPW21, ZSNK22], Lagrangian [LGY+20, NCQ22, Pop20, ALC20, ACHG+21, ALL22, BFG22, BDBB22, BCR22, BLM22, BCP22, BJR22, CQY21, CBQ21, CFM22, CLLL20, CSS20, CLS20b, CLJ+20, CCH23, CBRY21a, CBRY21b, DD22b, DCGQ20, DGW20, DLY22, FHWK21, FLW20b, FX22, GBC+20, HAL20a, HSXZ21, HV20, HQ22, KKS21a, KBS+21, KDB+20, LCG22a, LG22, LPL+22, Lév22, LZX+22a, LQXM22, LW20a, LT20c, NKW22, PM21a, PK20, DM23, QFW21, QJQ22, QJL23, REC+22, RRPSS21, RE22, SSM20, SMY22, TSP22, TUT22, TM23, WDS22, WZL21, XZC21, YM21, YL21b, ZA20, ZXX23, ZYD20], Lagrangian-Lagrangian [HLA20a], laminar [GFF20, HY20, WK21b], laminates [LLZ20], Landau [CCWX22a, CC20, HMXC23, LJH23, LXD+20, LRW21a, SHS+20, YCH21, ZGO21b], landscape [YYZ22, ZY+23], landslide [FFGRS+20], lane [DMR20], Langevin [DS22b, GLL20, HL22b, LL20b], LANS [BABD21], LANS- [BABD21], Laplace [DHMT21, GDM21], Laplacian [AD20, GLLM22, HZ21, HKKS21, LPG+20, PDP20], Large [NMN23, PBO20, AP21, BN20, BGNY22, BCC+20, CCWX22a, CMH20, CJLL21, CC22b, CBA+21, CEB22, DS22a, DP+21a, DFW22, FVM22,
large-eddy [LM21a, LCP21a, LWWH23, SMF20, SS22b, SS22d, vNGB22].

large-scale [AP21, CBA+21, DS22a, FVM22, FVM23, LWW+20, TTSP21, ZO21].

defined [LSC20b, Li23, MAP+20, NTSM20, TCA21].

laser [CMS+22a, CIMG21, LSC20b, Li23, MAP+20, NTSM20, TCA21].

laser-induced [ZMW23].

laser-plasma [LSC20b, Li23, MAP+20, TCA21].

latent [CPH+22, LMS+22].

latitude [GS21].

Lattice-Boltzmann [GDF21, MYY+23].

Lattice-Boltzmann-finite [AYH+21].

law [BKC22, DSZ20, FLW20b, LSTZ21, XS22b].

layer [ACD23, ADM+21, CKLZ23, DSBFN+20, DHMT21, HBFB20, Hig20, KSTT22, KKCC20, LZX+22b, Liu21, MBB+22, MD20c, YW22].

layered [FGD+21, Nic22, WCZ+20, WZC21].

Layers [MBAG21, CLT21, DR20, DLM+23, DZ22, Eld22, Hig20, LGL23].

LBM [JLCT22, LOL22].

leapfrog [CSASS21].

Learning [AIN+21, ABOS22, BDMT22, Che20, DJ20, GCC21, HXFD20, MYM+22, QCZ22, STB+21, VLC+20, WXZ22, XHD21, YCC+22, ZTK23, AMK+21, Ale23, AMD22, AB22, AMM23, Baj23, BM21, Bha20, BPBM23, BCSK21, BGS+22b, CCL20, CFS+22, Cha21, CNBH23, CX21, CWHZ21, CHOS21, CHZ+21, CCN21, CMCX23, DSS+22, DL21, DY22b, DGP22, ELL22, FY20, FFFY20, FC21, FNNT21, FO22, GW23, GJF20, GYZ21, GSH22, HGV+21, HMNO20, HJLY21, HRMY20, HWY20, HCCR22, IT22, JD23, KTDG20, KTDG22, KK20a, KM22b, KL20, KKY22, KLG+22, KBC22, LMS+22, LCG22b, LCG23, LHH23, LJ21, LZY22a, LHA+21, LY23, LMR20, M22, MHWW21, MG+21, ND23, NT23, ODM23, OKTD21, POS+20, PS22a, PZ22, PRKS23, PKK22, PMZ+23, RDAB23, SKP+21, SSW22, SMF20, SACT21, TLD20, TBSH21, THKT21, TBST20, THH22, TC23, VRK+21b].

learning [WLPK20, WCC+20, WL20, WZ20, WLW+20, WDL21c, WP21, WCF22, WWFM22, WX20, XZ20, XZW21, XZR21, XD22, XDCF21, YG21, ZAW+20, ZLW+21].

learning-based [CCL20].

Lobatto [RRFK+21]. Local [AuIL20, BBDT21, CP22a, CCH23, SCS22, ARC22, AdS22, BDT21, BCR22, BCCD22, CS20, CV23, DCA+22, DCGQ20, GD21, GHTC21, HMV22, HT20, Hua21, KLN20, KL22, LSXC20, LII20a, LW22b, LY20a, LNZ21, MS20a, MGA20, NKA+20, PLL+21, QPW21, SRH21, TCS22, TSSOA20, VSB+21, VBA22, WGU+22, XFL21, XLZ21, XCL22, YAX20, Zha22, ZPW+23, ZL22].

e [LT22b, TBHS21, TBST20]. Long [NDH20, WP23, EPL21, LB+23, MFT20, PLY23, TFCH22, ZDC20].


Low-cost [KSS21]. Low-dissipation [CDX+21, TSTH20, KD21a, LFA21, LXS22, MM21b, TFV22].

low-fidelity [KFP+22]. low-Mach [DSPB22, HTL21, KSGB20].


low-storage [GMD22]. low-temperature [LPM+20, SW22]. Lower [BE+20].


M [Abg20, Pan20b, HYM20]. MAC [CJW22, DSS20, SCS22]. Mach
[BDL+20, BP21, sCpLL+22, DSPB22, GMD22, HTL21, HCDm23, JP22, Kem23, KSBG20, KD21a, LP20b, MM21b, MD20b, OCGT22, SLF23a, YFY22, ZGK+22, vNGB22]. Machine
[OY21, ASG$^{+23}$, AR21, BL20, BRZ$^{+23}$, BDMP22, DES23, HSG$^{+22}$, LNYD20, XHC22]. matrix-fracture [BDMP22]. Matrix-free
[OY21, ASG$^{+23}$, BRZ$^{+23}$]. Matsubara [Yin22]. maximal [CL20c].
Maximizing [FCGKR23, Liu20b]. Maximum
[RLQY21, STG20, BSA22, ILTZ20, NS22, SWG21, XS22b]. maximum-order [BSA22]. maximum-principle [ILT20]. maximum-principle-preserving [NS22]. maximum-principle-satisfying [XS22b].
Maxwell [ARGK22, BBH$^{+20}$, BDS23, CCH20, CCHS20b, DLP21, EOP20, EC20, FM20, HLH21, ILX22, KCS21, KBH$^{+22}$, KS21b, KS21c, Li23, LCJ$^{+20b}$, NGK$^{+21}$, Pu20, QXY23, Sem21, SY22, Suk23, SSS22, WHN$^{+20}$, XBH$^{+22}$, XLZ21, YZW23, ZL22]. Maxwell-Schrödinger [Suk23].
Maxwell-Stefan [FM20].
measuring [R22]. mechanics [BHJ22, BDO$^{+21}$, BCP22, Cal21, FGF22, FCWT22, FM20, JN20, MCT21, RDAB23, XHZ22, ZOG21a].
mechanism [MFS$^{+22}$]. media [AFV20, ABH21, AYH$^{+21}$, AL23, AdMT21, ASJ23, BHJ22, BVRS22, BDMP22, BKM21, BMQ20, BE20, BR22b, CCER20, CFSH20, CY22, CYYS22, CCW20, DT22a, DGS20, ELL$^{+23}$, EAK20, FS23b, FGKY22, FTPB23, FCY$^{+20}$, FS21, FP23, GQS20, GSFB22, GC20b, GLY20, GAC20, HD20, HD21, HP21a, HLH21, JFH21, JP23, JGR22, KN21, KAO$^{+20}$, KHS20, KWDS22, KWC23, KLR20, LCM22, LJ23, LZ20a, LF$^{+20}$, LW20b, LL22, ML23, MD22, MMRP22, Nic22, PP$^{+21}$, QERT20, RSA$^{+20}$, Sar21a, TB22, T220, WL20, WZC$^{+20}$, WZ21, WCM$^{+21}$, WCZ22, WUG$^{+22}$, XHS21, XHY23, YHC$^{+22}$, YCC$^{+22}$, YZK20, YKFH23, ZYL$^{+23}$, ZLC$^{+20}$, ZSN22]. medium [BG22, CZL20, GS20, LW20a, LS21, SWG$^{+20}$, SGW$^{+20}$, SDA$^{+21}$, ZQS21]. meets [HJK$^{+21}$]. melt [LPJ$^{+23}$]. melting [BTE22, PGM22]. member [Ran22]. membrane [DKM$^{+20}$, KKM21, XCO20, ZAM20]. membranes [LWL22, ZW22]. memory [DFG$^{+23}$, DS23, DS22b, FTPB23, FS20, KNS21, RA21, TEA$^{+23}$, XG22, ZLC$^{+20}$]. Mesh [Bat20a, Der23, GD20, KBB$^{+20}$, LPS21, MRL$^{+23}$, AF21, AF22, ADM$^{+21}$, BGR20, BB20a, BB20c, BR22b, CDK$^{+23}$, CAF$^{+22}$, CHG$^{+20}$, CCAR22, CNCM21, D323, DT21a, DT22c, DMR20, FZS$^{+21}$, FML21, FC21, FW22, Gao22, GLCS23, HNE$^{+21}$, HZ22a, HW20b, HLY20, HSC$^{+22}$, JZSX20, KKM21, KH20, KRL21, Lév22, LW20a, tLjTb22, MN22, MKHI20, MSK$^{+22}$, MZC$^{+22}$, ND20, PWXY22, DM23, AMD20, RAZ21, SC22a, WZ20, WNW$^{+22}$, XLZ21, YLNT20, YJK21, ZOG22, ZP$^{+23}$, ZJSX22,
PBCL20, PAA21, PAM23, Pop20, QJQW22, QXYZ23, QHZ+22, QHLL20, 
RS20a, RMD20, RSA+22, Rei22, RK21, RB21, SBH21, SEG21a, SVW21, 
SRTB21, SGT23, SHL+20, SWHJ22, STC+21, SLF23b, SKCM22, STB+21, 
SC22b, SM22, SI22, TT22a, TLD20, TL20, TKR22, VSB+21, WMS21, 
WW20a, WCC+20, WWY21, WCF+21, WCM+21, 
WY22a, WY22b, WSAZ22, WLZP21, WLZ21, XZ20, Xie22, XC23a, 
XY20b, XHY23, YHC+22, Yan21b, Yan21c, YRN22, YWCL22, YFY22, 
YKSH23, YM20, ZH23, ZY20b, ZHL21, ZWZL22, ZMWS22, ZAW+20].

model [ZTN22, ZLB22, ZAMG20, ZKY+20, ZXD22, ZAA23]. model-based 
[GHNS21]. model-data [DCSG22]. model-form [HWDM22]. model-order 
[BVR22]. modeled [KH21a, KS21d, vNGB22]. Modeling 

CMS+22a, CDL+22, ELL+23, EDLF20, FS23a, GZ20, He22, KSHJ20, 
PBVC22, ZDC20, AYH+21, ASSZ21, BHVJ22, Ben23, BABD21, Cha20, 
Cl20b, CHF21, CWHZ21, CCWX22b, CCCH23, CNC21, CMCX23, DSS+22, 
DJ22, EFS+20, FTP20, FCWS22, FSDB20, GLLB20, HHAF21, HZB+21, 
HLB20, HDML23, HRR21, HGH20, HG20, HZ22a, HTRC23, Ian20, JADS21, 
KNL21, KWD22, KST21, LN22, LBN21, Le21a, LRT13, LY20, LE21a, 
LE21b, LJ23, IWH23, LHA+21, LLZL20, Lin20b, LAS22, MMSW22, MX22, 
MP21, NBR22, POS+20, PPV+21, PFW21, PJ23, PB20b, PZK22, 
QERT20, RHK21, RB+21, RCE22, SYOS19, SYOS21, SWH22, 
SM20, SB2+23, SLOZ21b, SLOZ21a, TNB21, WCF22, WFF22, WCZ22, 
WD23, WA23, WKA+20, XLLH21, XLLH22, XBD+20, XBL21, XD22, 
YW20, YZSD21, YRC+21, YZK20, YQO20, XZ20, ZTS20, ZWY+23, 
ZJSX23, ZJK20, ZLW22b]. modeling [ZPK22, dv23]. modeling-based 

[YZSD21]. Modelling 

[LBM20, Abg20, ACR23, BTEK22, BJR22, Cie20, DCHF21, FBD+22, IM20, 
LKvM+22, SS22, SW22, SDP20, VPL20, WR23b]. models 

[AP21, ASBM20, AMK+21, AMW22, APR22, BGR20, BSGC22, BGS+22b, 
CDBS21, CDT22b, Cl20b, CFM22, CBA+20, CY21, DS21, DEB21, FGY+23, 
FFG12+20, FY22, GPL22, GDBF2+20, GZ20b, GCD20, GW22, HdB20, 
HSK+21, HJK+21, HLA22b, HCCR21, HSG+22, IT22, ISM+23, JDC23, 
KMS20, KRG+23, KC20b, KS22d, KFP+22, KLP20, LCH20, LPS21, LSL20, 
LL20, LT20c, MCMV22, MFK21, PRK23, PB22, Po23, RL22, San20, SKP+21, SBC20, SL20b, SL22b, SmzLS23, SM23, SM22, 
T20, TB22, Tav20, W22, WLS22, WZK22, XLLH21, 
XCL22, YcD20, Yd23, YJ23, ZA21, ZOG21a, ZHP21, ZW21, ZSK22]. moderate 

[LSC+20c]. modes [CSM20, TWY+22b]. modification [FAA20]. Modified 

[KK22b, KT20, DL21, HC4M23, TPYX22, WN20, Xie22, ZOWW20]. 
modified-energy [ZOWW20]. modulated [GDAP20]. modulation 

[PM22b]. mole [PCF21]. molecular 

[ACHG+21, ALL22, BZ21, Cai22, DG23, GLLB20, HX21, Li21, LT20+22, 
LZC+23, LLZ20b, MR22, NMR21, PSJ23, Suk23, VK22, XCL+21]. 
molecular-continuum [MR22]. molecules [Cie20]. Moment


Monotonicity [BB20c, LVK+22, YYLY22, GYW20, OGG20, YM21]. Monotonicity-Preserving [SK23, YGW+20, FSM+22, FMJ21, FMOJ22, FM23, PPHO22, VVL21].

Monotonicity-Preserving [LVK+22, BB20c, YM21]. Monte [SXZ+23, ALF+22, BBQ+21, DZC+23, HLZ20, HJLZ23, KOM+22, KFP+22, KNP20, KSK21, LT22a, LGL23, LMG+21, LTK+22, LUMH22, MRBS22, OGM22, PJW21, PZ20, PV20, PB22, Poe22, RA21, SH23, SGMT20, SG21, SBJ+23, SH22, TT20, TBD+20, VM22, WPBS22, YS22, Yan21a, ZS21b].


TZM$^+$20, VTC20, WL20, WGY$^+$21, XJN$^+$20, XHX22, YHC$^+$22, YRHN22, ZX20, ZJ21, ZSY21, ZAA23. multiphysics [CWL$^+$21, HPPZ20, NAZ22].

Multiple [MTB22, BEP$^+$20, CMS$^+$22a, CDW23, FVM22, FVM23, GGCvR22, KLA23, KM22b, LRT13, LW22a, LHWZ21, Oru21, SDP20, VBA22, YSCM21, YTK22, ZTS20, ZPW$^+$23, dv23, WCP23].


Network
[TR21, BZSF20, CCL21, CCL22, CCPS21, Cha21, CX21, CCWX22b, Coa21, Coa22, DM21, DD22a, GLWZ22, GDL22, GWY21, HLL22, HXQL23, HJJL20, HBO21, KCWZ22, LMS+22, LJH23, LLZ22, LLM20, LY22b, LT22b, LC22, LGL23, MLM+21, MHLR22, MX22, MK20, MRBC22, NÄ21, QCZ22, SY21, SMS23, VPL20, WRH20, WWMF22, WXZ22, WZZ22, XZRW21, XZWH22, YHC+22, YCC+22, YLY20, YL21b, YYD+22, ZC22a, ZYL+23, ZTK23].

Networks

Neumann
[SYOS21, TNB21, AIN20, KBCH20, KD21b, LM21b, MMZ22, SYOS19, TPB22, XC20]. Neural [AM22, DD22a, DLM+23, GDL23, HTKT21, JADS21, LMS+22, LLZ22, MRBC22, NA21, PZNK22, PZNK23, RR21a, RHG22, TR21, AK21, ACD3, Baj23, BS22b, BZSF20, BP22, BDMT22, CWL+21, CCL21, Cai22, CCL22, Cha21, CCWX22b, CCG23, DDP20, DM21, DHR20, DN21, FFFY20, GCV22, GSW21, GLWZ22, GN22, GWY21, GCSH22, HNS20, HLZ20, HBG+21, HLL22, HXFD20, HXQL23, HJJL20, HBO21, JKK20, JMAK22, JCL21, KTBP20, KV20, KWS22, LCG22a, LLY20, LY22a, LWY23, LHA+21, LMK21, LAS22, MRHR20, MBN23, MBK21, MFK21, MN23, NCC21, OPM22, PZ21, PMACG21, PDPK20, PZ22, PNT+22, PHX23, QCZ22, SRH21, SEG22, SY21, SJK21, SMS23, SGLP23, TBW22, TXH+21, WRH20, WXZ22, WZZ22, WYP22, WL22, XF21c, XHD21, XZWH21, YHC+22, YMK21, YJP23].

neural [YCC+22, YYL20, YYD+22, YNHD22, ZZZ22, ZCZ22, ZNCZ+21, ZC22a, ZLS22, ZYL+23, ZTK23]. Neural-network
[LMS+22, MRBC22, MLM+21]. neuron [FL21, HLXZ21]. neutral
[AAL+21, GRC+22, KSK21]. neutron
[DJ22, DC22a, GHY22a, Gar20, Gar21, HA21, KWMF22, LKEM21, ZG20].
ALF$^{+22}$, AK$^{22}$, ABDD$^{22}$, BBC$^{21}$, BEB$^{+22}$, BL$^{21a}$, BWG$^{+20}$, BW$^{20}$, BD$^{20b}$, Bre$^{20}$, CCL$^{20}$, Cal$^{21}$, CCWX$^{22a}$, CPX$^{22}$, CHT$^{20}$, CS$^{21a}$, CY$^{22b}$, CACAR$^{22}$, DNP$^{23}$, DWZ$^{20}$, DOQ$^{23}$, DS$^{23}$, DTB$^{20}$, EFS$^{+20}$, EGTC$^{+21}$, FSWA$^{22}$, FSB$^{+20}$, FAA$^{20}$, FBCD$^{22}$, FP$^{23}$, GHR$^{22}$, GCDT$^{22}$, GLY$^{22}$, HLM$^{+20}$, HY$^{20}$, HKRS$^{23}$, HLXZ$^{21}$, HP$^{22b}$, JF$^{20}$, JLRZ$^{20}$, JRD$^{22}$, KMS$^{20}$, KKN$^{20}$, KIHB$^{21}$, KWDS$^{22}$, KLPR$^{20}$, KWD$^{21}$, KLJ$^{23}$, LVK$^{22b}$, LBM$^{20}$, LFT$^{20}$, LMZ$^{21b}$, LKG$^{20}$, MBDS$^{23}$, MKHI$^{20}$, MFT$^{22}$, MSW$^{21}$, HLM$^{+20}$, HYQ$^{20}$, HKRS$^{23}$, HL$^{20}$, HLXZ$^{21}$, HP$^{22b}$, JF$^{20}$, JLRZ$^{20}$, JRD$^{22}$, KMS$^{20}$, KKN$^{20}$, KIHB$^{21}$, KWDS$^{22}$, KLPR$^{20}$, KWD$^{21}$, KLJ$^{23}$, LVK$^{22b}$, LBM$^{20}$, LFT$^{20}$, LMZ$^{21b}$, LKG$^{20}$, MBDS$^{23}$, MKHI$^{20}$, MFT$^{22}$, MSW$^{21}$].

**numerical** [MHW$^{21}$, MB$^{+22}$, MP$^{21}$, NNL$^{+20}$, Nic$^{22}$, Nio$^{20}$, Otu$^{21}$, PR$^{20}$, PJR$^{23}$, PGM$^{22}$, PA$^{20}$, PLM$^{23}$, PGMTP$^{23}$, PGTS$^{21}$, QW$^{22}$, QXY$^{22}$, QAS$^{20}$, QERT$^{20}$, Ran$^{22}$, RKRW$^{20}$, RB$^{21}$, RYW$^{21}$, SEG$^{21a}$, SL$^{22b}$, SGWP$^{21}$, Sen$^{21}$, SSPV$^{20}$, SEG$^{22}$, SS$^{22a}$, SAH$^{+22}$, Suk$^{23}$, TGM$^{23}$, TAV$^{21}$, UD$^{22}$, WTX$^{+21}$, WH$^{22b}$, WCP$^{23}$, WS$^{22}$, XLLH$^{21}$, XHX$^{22}$, XLT$^{20}$, YZ$^{dCNS}^{21}$, YW$^{22}$, dKSA$^{21}$].

**numerical-based** [HYQ$^{20}$].

**numerically** [BZC$^{22}$, Gar$^{20}$, LRT$^{22a}$].

**numerics** [ZCH$^{22}$].

**Nunziato** [CMRR$^{21}$, LL$^{21b}$].

**NURBS** [PD$^{21}$, TMG$^{20}$].

**NURBS-based** [TMG$^{20}$, PD$^{21}$].

**NVT** [ZYZ$^{23}$].

**NySALT** [LLTY$^{23}$].

**Nystrom** [CCH$^{20}$, LLTY$^{23}$].

**Nystrom-type** [LLTY$^{23}$].

**Oberbeck** [PKC$^{22}$].

**Objective** [PSJ$^{23}$, FSWA$^{22}$, KKY$^{22}$, WZSK$^{22}$].

**objects** [LL$^{20}$, LMUHR$^{22}$, YK$^{22}$, ZP$^{W^{+23}}$, ZLY$^{21}$, ZL$^{22}$].

**observables** [LMR$^{20}$, RK$^{21}$].

**observation** [LSL$^{20}$].

**observations** [CM$^{20}$, Che$^{20}$, HXFD$^{20}$, XD$^{22}$].

**observed** [WPBS$^{22}$].

**observing** [CDJM$^{21}$, HBF$^{21}$].

**ocean** [Hig$^{20}$].

**October** [Ano$^{20k}$, Ano$^{20w}$, Ano$^{21k}$, Ano$^{21w}$, Ano$^{22w}$, Ano$^{22k}$].

**Octree** [EGTC$^{+21}$, CW$^{22b}$, KLS$^{+20}$, KSI$^{+23}$, LKM$^{22}$].

**octrees** [SGWP$^{21}$].

**Odd** [BTZ$^{22}$].

**ODENet** [HYZH$^{22}$].

**Ohla** [BCL$^{+23}$].

**On-the-fly** [Qia$^{22}$, ASVL$^{23}$].

**once** [LN$^{21}$].

**One** [LZ$^{22b}$, AG$^{21}$, BBGT$^{21}$, CSS$^{20}$, DC$^{21}$, JJ$^{20}$, JPAZ$^{21}$, KHS$^{20}$, LCH$^{20}$, LSC$^{20b}$, LWR$^{20}$, LZZ$^{22a}$, MCB$^{20}$, PBC$^{20}$, PGMT$^{23}$, Ran$^{22}$, Rei$^{22}$, SBH$^{21}$, SWM$^{21}$, SSPV$^{20}$, SDA$^{+21}$, YNT$^{20}$, ZCH$^{22}$, ZT$^{23}$, ZYD$^{20}$, CL$^{20}$].

**one-** [YNT$^{20}$].

**one-dimensional** [ZY$^{D^{20}}$].

**one-dimensional** [AG$^{21}$, CSS$^{20}$, JPAZ$^{21}$, LWR$^{20}$, LZZ$^{22a}$, MCB$^{20}$, PGMT$^{23}$, SBH$^{21}$, SWM$^{21}$, SDA$^{+21}$, ZCH$^{22}$, CL$^{20}$].

**one-fluid** [DC$^{21}$, Rei$^{22}$].

**one-parameter** [Ran$^{22}$].

**one-phase** [KHS$^{20}$].

**One-sided** [LZ$^{22b}$, BBGT$^{21}$].

**one-way** [JJ$^{20}$, ZT$^{23}$].

**online** [DEB$^{21}$].

**Ono** [RWY$^{21}$].

**Onset** [SS$^{22}$].

**open** [BDB$^{21}$, CSM$^{20}$, CS$^{21b}$, KRG$^{+23}$, LY$^{20b}$, WYHL$^{21}$].

**OpenFOAM** [OLP$^{23}$, Sar$^{21a}$, TGS$^{+22}$].

**opening** [KSST$^{21}$, WBN$^{21}$].

**Operator** [LLC$^{23}$, AAL$^{+21}$, AMW$^{22}$, BCJM$^{20}$, BGSP$^{22}$, CWL$^{+21}$, CC$^{22b}$, DLM$^{+23}$, HZ$^{22a}$, IK$^{23a}$, Kho$^{20}$, LJ$^{23}$, LJ$^{21}$, LW$^{21}$, LW$^{23}$, MTW$^{23}$, MR$^{21}$, PDPK$^{20}$, PG$^{22}$, XG$^{22}$, ZW$^{21}$, ZZ$^{22}$, dSL$^{a+22}$].

**operator-split** [MTW$^{23}$].

**operators** [BFM$^{21}$, CL$^{20a}$, CMR$^{21}$, CS$^{22}$, FFFY$^{20}$, FFY$^{21}$, HM$^{21a}$, KGK$^{23}$, MLM$^{+21}$, MZ$^{20}$, MR$^{23}$, MRBC$^{22}$, WZ$^{21a}$].

**opPINN** [LJ$^{23}$].

**optical**
optimization [HKRS23]. Optimal

optimally [JJ21]. Optimization


order [FGTY23, FML21, FX22, GBC+20, GLSZ22, GDLL22, Gao22, GCDT22, GA20, GU20, GQR21, Gla21, GDB23, GZW20b, GFY20, GLCS23, GPS20, GLY20, GCL+22, Hac21, HMV22, HHRHG21, HSMR20, HGB20, HKR23, HHRA19, HL20a, HCL20, HPPZ20, HLY20, HSW22, HRWP22, HXX22, HL22b, HZ22b, HTRC23, dMKJ+22, IM20, ISM+23, JADS21, JYY22, JZSX20, JRD22, KSTTT22, KCS21, KS22c, KS22b, Kar22, KBB21, KCW22, KLN20, KL22, KLF22, KdMJ+22, KdM+22, KF23, KCC21, KKS21, KB23, KD20, KdL20, LCL22a, LJ+22, LBN21, LVK+22, LL21a, LCS22, LD20a, LCJ20a, Li20, LCS21, LLQ21, LG21, LLY21, LZ22a, LCR22, LJS23, LXS22, LH20, IJT20, LRAQ22, LRW21b, LM20a, LS23, LSZY20, LD20b, LFZ21, LY+22, LWYY22, LS+23, LJS+23, LSC+20, LT20c, LY22e, LZCC22, MZ22, MCVF22, MH21, MH22, MQ20, MKM23, MGA20, Mon21]. order [NS22, NFL+21a, NFL+21b, NK21, NPD20, NT20, NBR22, Nic22, NGK+21, NKW22, Nis20c, Nis22b, Otu21, OA21, OGG20, PZX20, Pan20a, PCF21,
PP22b, Pan20b, PPP21, PBN+21, PB20b, PM21b, PS22b, PH22, PTT22, PD21, PGC2+22, PGMT23, PGTS21, QC21, QLY21, RMA20, RUG20, RSWD21, RFZ22, RZ23, Ren21, RLH22, RBF+21, RIC+22, RMWS21, SZN19, SZN20, SMSAGG22, San20, Say22, SL20b, SL22b, SEG21b, SEG22, SRV21, SWF21, SBL22, SAP22, SY21, SKCM22, SS22c, SZ21, TFWX22, TCS22, TJc21, TPK20, Toh23, TEA+23, Uii20, Unf21, UY22, VVL21, VVRWT21, VPDD22, VOL23, VBA22, VK22, WW20a, WMTQ20, WGY20, WW20b, WRH20, WCL+20, WTX+21, WLH21, WCF23, WCP23, WABK21, WZBV20, WWL221, WHS22, XBH+22, XLLH21, XY20a, XGCW+20, XDLX21, XSS22, XR21b, XZ22a, XZ22b, XM20, YU22, YXY21, YSCM21, Yan21c. order
[YZSD21, YJSX22, YYLY22, YH22a, YOH+20, Yin21, YK20b, YGL20, YH22b, YM20, ZSP20, ZEG20, ZEG21, ZB21b, ZWY21, ZCQ19, ZCQ20a, ZML20, ZL21a, ZL21b, ZHY22, ZX22, ZLW+22a, ZZ23a, ZHR20, ZZ220, ZH21, ZJSX22, ZJSX23, ZZ22b, ZSQ21, ZQS+21, ZQL+22, ZQS20, ZS20, ZF20, ZL22, ZWB21, vHP22, vLN21, Der23, NV22]. order-adaptive
[CMP21]. order/low
[PM21b]. ordinary
[GHNS21, GLT+20, LBT+23, OPM22]. ordinate
[BO22, KSK21, MBBV22]. ordinated
[AF21, AN21b, FC21, GDAP20, JO22, LRVF22]. orography
[YWCB22]. Orthogonal
[JADS21, ADK+21, CP22b, DV20, KCCJ21, MSWH22, NS23, NR23, ZMG+22]. orthogonal/bi
[ZMG+22]. orthogonality
[HX23]. oscillating
[ACR23, Vre20, Vre21b]. Oscillation
[PLKM22]. Oscillation-free
[PLKM22]. oscillations
[DHR20, MQ20, SRH21, SKTK21, XLS22]. oscillatory
[BSA22, CEMO21, GHNS21, LCWJ20, LLZ23, MH21, SSK20, XDLX21]. OSRC
[van22]. Ostwald
[MX22]. other
[JRY+20, TPPA22]. outflow
[LYL20]. outlet
[HP21a, HPS23]. outliers
[ZL21c]. output
[BS21, GJF20]. output-weighted
[BS21]. outputs
[KNP20]. over-parameterization
[KGSK23]. overburden
[ZC22b, ZC22c]. overcome
[SBVM20]. Overcoming
[LLS20]. overhang
[MQ20]. overlapping
[BG20c, DMRG22, DGS20, GTDB22, MDG20, MDF21, SSS22]. Overset
[LL20, SAS+21, BCIT22, HM21b, KNG22, KGN22, LW22a, Vre17, Vre20, Vre21b, Vre21a].

p
[NMR+21]. p-adaptive
[NMR+21]. paced
[GYZ21]. packed
[KKM21]. packet
[JLRZ20]. packets
[EGN23]. pair
[VLV20]. Paired
[NV22]. pairing
[DFW22]. paper
[Pan20b]. Parabolic
[RV22, AFV20, BBPR21, CPA+23, GN20, GFW22, HKM20, JQY21, KBB21, LH21, MWF20, MMDP21, OWHN22, PA20, SSS21, ZCZ22, ZC22a, ZC22a, ZL23]. paradigm
[DHJV+22]. Parallel
[AFL22, BDS23, CYS22, CSdP+22, DS22a, HSM20, KKL+23, LYL20, LYY20, LR22, OS221, SJK21, TTSP22, WZ21b, WK21b, YYY+22, AFS+23, AAH+20, ARG22, ARB+21, BZC+22, CEMO21, CPX22, DLZ221, DGL+22, EGTC+21, FVM22, FADJ20, GNF22, GW20, JGM+22, KLS+20, LSC+20, MMR21, MZC20, MZRC20].
Particle-Mesh [BDWC23]. particle-resolved [CW22b]. particles
[CMS+22a, DHM21b, HPW21b, Ish22, KG20, KDB+20, KCK21, LT22a, LDM+21, LZX+22b, RPA22, RGLN22, SGM21, SWHJ22, SDA+21, Une23, WLH21, WDK22]. particles-in-cell [HPW21b]. particulate
[OLP23, OYK+22, YCM+20]. partitioned [ASS21, BFST23, HPPZ20, LOL22, NAZ22, ZAA23]. Parts
[FVM22, FVM23, SMS23]. PDEs
[DZ22, MBAG21, KLP22, LZ22b, USRH20]. Performance
[PV22, ADP22, KSW22, KD20, RBD+21, YJSX22]. performing [FTPB23]. perfusion [DFP+21a, KSHJ20]. peridynamic [ZHPZ21, ZLB22]. Peridynamics
[BM21, KAO+20, PJA22]. perimeter [JL21b]. perimeter-decreasing [JL21b]. Periodic
[AFP22, BZ21, ZPGR22, BFS23, BFL20, CEW23, DG23, DN21, EDLF20, GDP20, GLT+20, HL20b, LPS21, LHC22, LZLZ21, MBE21, MD20c, PAGJ23, Per23, PLM23, RHG22, SWM21, SJGC21, TGM20, WNB21, WZ23]. periodically [LNYD20]. permanents [LM22]. Permeability
[WCA+20, AT20, KNLB21, XY20b, ZY20]. permeable
[QHZ+22, WKKB21]. perspective [WYP22]. perturbation
[ACD23, GCV12]. perturbations [AHG21]. perturbed
[CZ22a, CHT20, GHNS21, ZG21]. Peshkov [MMP23]. petroleum
[TH23, dSLdA+22]. Petrov [LTD+22, WTX+21]. PFNN [SY21]. Phase
[CY21, HHA021, HLA20c, HLA22b, VPL20, Abg20, AdDMT21, ASKH21, BL22a, BBV23, BDMP22, BS22, BDB21, BMQ20, BDMT22, BE20, BR22b, Cal21, CSCL20, CCH20, CY22b, CDX+21, CK21, CLP22, CMRR21, DC21, DLY22, EAA+22, FQSW23, FMS21, FZ23, Fu20, FY22, FS21, GJLD20.
Phase-change [HHAFLR21, LYH23], phase-changing [SCB20].

Phase-Field [HLA20c, HLA22b, VPL20, Abg20, Fu20, FY22, GNF22, HHAFLR21, Jai22a, JTK22, KSW22, LNC21, MM21b, MJJ21, MJ23, QW22, SHM23, SHL20, TWY22a, WZCK21, XHZ22, Yan21b, Yan21c, YA21, YTK22, YHK22, YZK20, YXL22, YQO20, ZEG20, ZLG23, ZK20, ZKG20, ZF20, ZKG20, ZMK21, ZSsC22, ZWY23, ZOG21a].

phenomena [Abg20, GFPO22, LT20c, ZY20b].

photovoltaic [ACML20a, ACML20b].

photonic [CMSS21, FGD21, ZWY23].

photostatic [RB22].

[Ani21, LLZ20a].

photos [CE21, PV20, Poe22].

photos [FCY20].

photovoltaic [ACML20a, ACML20b].

PhyGeoNet [GW21].


physically-informed [KTDG22].


physics-aware [PMACG21].

Physics-based [RR21a, GDB23, KR23, LO23, SKP21].

Physics-informed [BP22, CAI22, CWH21, DCA22, GSW21, JMAK22, JCKL21, KM22b, LJT22b, LMK21, PZ22, TBSH21, ZK20, Ale23, AK21, ACD23, BSA21, BT22, GN22, GD23, GW22, HXQ23, JKK20, KH21a, KCWZ22, LL22, LW23, LC22, LAS22, MB23, MN23, OPM22,
[RB21, TPSN20, Bha20, CGC21, CSY23, DHMT21, EJV22, LCS23, LT20a, Li22, MRYS20, NDH20, Po23, RGSR21, SCS22, TJ21, PB22, Po22, RBBD22, VGG23]. polynomials [GFF20, Oru21, Say22]. polynya [LSW20]. polynya
[LSW20]. ponderomotive
[LAT +22]. PoPe
[CMGGS23]. population
[LT22a, PPHO22, Sin21]. Pore
[MX22, MCT21, WR23b]. Pore-network
[MX22]. Poroelastic
[PN22, AYH +21, BVRS22, BGSP22, HdB20, HdB21, SCdHJ20, WGU +22, ZZML20, ZXY22]. poroelastic/elastic/puid
[ZZML20]. Poroelasticity
[TV22, ASW21, FCM20b, KNLB21]. poromechanics
[LW20b]. porosity
[NAZ22, RHR20]. porous
[AFV20, ABH21, AdDMT21, ASJ23, BHVJ22, BDM22, BKMC21, BMQ20, BE20, BR22b, CFSH20, CYS22, CYY22, CCW20, DT22a, EAK20, FGKY22, FS21, FP23, GQS20, GSFH22, GS20, GLY20, HP21a, JFH21, KNLB21, KAO +20, KHS20, KWDS22, KW2CS3, KLPR20, LLLZ21, LCCM22, LZ20a, LFT +20, LW20a, LW20b, LLCK20, ML23, MD22, MMRP22, PPV +21, QERT20, RSA +20, SGW +23, TZ20, WGS +20, WCM +21, WCZ22, XHS21, YHC +22, YZK20, YKFH23, YXLL22, ZYL +20, ZLC +20, ZSKN22]. porous-medium
[SWG +20, SGW +23]. porousc
[WL20]. port
[BRS22]. port-Hamiltonian
[BRS22]. posedness
[FP23, KNG22]. position
[HPS23]. positioning
[GEvWD22, KB22a]. Positive
[LM20b, DS22b, MP21, PCF21, QWZ21, Sar21b, Toh23, XHD21, XJS21]. Positivity
[DW22, FZ21, FQ22a, GQS20, JTW22, LWYY22, UY22, YU22, BL22b, BMQ20, DW2W21, FX22, GCLM22, GLCS23, HSW22, HS23, KBB21, KKS21b, LCS22, LCS23, LCT23, LZSL21, MGP +22, PBCL20, QLY21, WABK21, XS22a, XZ22b, YD20, ZCQ19, ZCQ20a, ZYD20]. Positivity-preservation
[DW22, FQ21, FQ22a, GQS20, JTW22, LWYY22, UY22, YU22, BL22b, DW2W21, GLCS23, KKS21b, LCS22, LCS23, LZSL21, MGP +22, QLY21, WABK21, XS22a, XZ22b, ZCQ19, ZCQ20a, ZYD20]. possibly
[RGH +22]. post
[EHL +20]. post-processing
[EHL +20]. posterior
[BOO +22]. posteriors
[JO22, RRS21, BAT23, GCSH22, HVM22]. posteriors
[MYM +22]. potential
[BLF20, Bre20, D22, LL22, LKJL22, PAA21, PG22, RA21, Sa22, SVW21, TWZG22]. potentially
[HB22]. potentials
[AZV23, DHMT21, KKL +23, KKCC20, LM20b, NR23, PTT22, SAH +22, TJ22, YY22, Yin21]. power
[KW22]. Poynting
[WZ22]. Practical
[FB22, WLW +20, TWY22a, YL20]. practically
[FM22]. Pradras
[Abg20]. Prandtl
[BRT22, LPL +22]. pre
[DL21]. pre-training
[DL21]. precision
[Csl22, HL20c]. preconditioned
[Bat20b, LLZ20b, OPHY23, WDL21c]. Preconditioner
[BS20, BEP +20, HV20, LY22b, ML23, NFA21, SBVW20, TZNHD20, YFLL21, YM20]. preconditioners
[BL20, BDS23, BGGM21, CCW20, DMRG22, LM21b, LYY20, PT23, PS22c]. Preconditioning
[KS21a, ASKH21, BKMC21, CC22a, DV22, FJH20, FGF22, FCWT22, GDB23, GMD22, JBF21, KBH +22, LL22, ILNZ21, TTP22, YFY22, vHG +22]. Predicting
[IK23a, MLM +21, AMK +21, WCM +21, YhCdJ +23]. Prediction

**Preface** [AACX21]. **preferential** [TACO22]. **presence** [DSSSP20, ZHL21]. **preserve** [HRY]+22. **preserves** [GGB22]. **Preserving** [LVK]+22, AAL+21, AOR22, APR22, ACÉ+22, Baj23, BGNZ22, BTZ22, BB20c, BDI+21, BL22b, BMQ20, BRS22, BBA22, CS20, CDT22a, CZZ21, CP22b, CHSS20, CW22a, CYS22, CDW23, DDR22, DEN22, DC21, DWZ20, DWW21, DY22d, DW22, Edo22, EHW21, FCM+20a, FZQ21, FZQ22a, FGKY22, FGTY23, FR23, FX22, FTK23, GCLM22, GQS20, GEvWD22, GS20, GLCS23, GLWY22, GLY20, HBG+21, HPRW20, HPW21b, HHS22, HL20a, HLXZ21, HSW22, HXX22, HWDM22, HS23, JM22, JWC20, JTZ22, JLYQ21, KBCX20, KBB21, KKS21b, KS21c, KCCR22, KWCX23, KK21, LPM+20, LLCJ23, LW21, LCS22, LCS23, LCSZ21, LYZW21, LY22b, Li22, LLZ23, ILZT20, LCT23, Liu20a, LZLS21, LWW21, LRT+22b, LYYY22, LKJL22, MSC+20, MG2+22, MJ21, MJ23, MHH21, MH22, MRBS22, NS22, PCF21, PWXY22, PCBL20, PM21b, QXY22, QLY21, RC20a, SL22b, SAS+21, SSS20, SX20]. **preserving** [The21, Toh23, TYC23, UY22, VTC20, WLH21, WABK21, XL22, XSSH22, XJS21, XS22a, XS22b, YU22, YM21, YYY21, YWLL21, ZNCZ+21, ZQ219, ZQ20a, ZXX23, ZY20, ZGK+22, ZOEL20, vdEW23]. **Pressure** [ISM]+23, AFV20, AF20, ASS21, ASJ23, Bat20b, BP21, sCpLL+22, DSPB22, DeW20, DTB20, FGKY22, FTK23, GMR20, HPW21a, HTL21, Hig22, HP21a, KS22c, KS22b, LPM+20, LG23, LRT+22b, LDCS23, MD20b, MS20b, NFL+21a, NFL+21b, SLF23a, SBH21, SW22, SK21, VMO21, XLS22, YA21, YZK23, YZ20]. **pressure-based** [BP21, DSPB22, DeW20, HPW21a, HTL21, VMO21]. **pressure-correction** [AF20, LRT+22b]. **pressure-equilibrium** [FTK23]. **pressure-free** [SBH21]. **pressure-temperature** [SL23a]. **pressures** [GQS20, KS22b]. **prestrained** [BGN22]. **prestressed** [YKdHC20]. **Preventing** [SK21, GF21]. **primal** [CWW22, LOLS23, NG20, Nor22a, hSMLS23, WW20b]. **primal-dual** [CWW22, LOLS23, hSMLS23, WW20b]. **primary** [FG22, MMdMB22]. **primitive** [LJW+22, PCBL21, Sl22]. **Prince** [NNJ21]. **principle** [JLQ21, LPL+22, ILT20, NS22, XS22b]. **Principles** [Coa21, GB22a].

**printing** [OYK+22]. **prior** [LSI20]. **priors** [DAC+22, GZ21, AHR20]. **priors** [MYM+22]. **probabilistic** [FTY+22, KK20a, LG20, RK21]. **probability** [BJW20, CW21, CL20c, YZdCN21]. **probable** [YR22]. **probe** [CS22]. **probing** [GYY21]. **Problem** [ZS21a, AN21b, BCL+23, BCIR22, CEL+20, CZ20b, DLL22, DT22b, EL20, FS23b, FCW22, FZ21, HL20, HS21, HHV20, HJ20, HNF+21, HSS21, Hua21, ILX22, JLCT22, KS22a, KBCX20, KKB20, KLZ23, LSW20, LD21, Lin21, MGG+22, MBM+22, OKTD21, Par22, SS22a, SVBM20, SCL20, WJK20, ZMK21, ZM20]. **problems** [AHG21, ASW21, AuIL20, Ale23, ARB+21, ADC23, AL21, AS20, BFG22, BS22b, BBPR21, BB21, BEE+22, BFI22, BZ20, BEP+20, BG20b,
Provable [GLY22, MIM20]. Provably
[AAH+20, CDN+22, HRRHG21]. proxy [EFY23]. PSE [ZT23]. PSE-like
[ZT23]. pseudo [AVF20, FFFY20, GFG22, KS22b, PAA21, RHR20, VLV20,
WWG20, YMY+22]. pseudo-differential [FFFY20]. pseudo-parabolic
[AVF20]. pseudo-potential [PAA21]. pseudo-pressures [KS22b].
pseudo-spectral [GFG22, WWG20]. pseudo-time [VLV20].
pseudo-transient [RHR20]. pseudo-vacuum [YMY+22].

Pseudodifferential [PA20]. Pseudospectral
[AFGLM20, AZ22, AST21, tLjTbZ22]. PSI [LD22]. PSTs [MVO+22]. PU
[MM23]. Puiseux [NPD20]. Pulliam [PJBB20]. pulse
CMS+22a, MAP+20, NTSM20. purely [GLT+20, PM22a, SLWRG21].
purification [AR21]. purpose [AT20, Sha21]. push [BJW20].
push-forward [BJW20]. pyroclastic [MFRZ22].

QCD [RSO20]. QMA [Hua21]. QMA-complete [Hua21]. QP [FSM+22].
QSV [SS22b, SS22d]. QTT [MTO21]. QTT-isogeometric [MTO21]. quad
[SGPW21, WWN+22]. quad/octrees [SGPW21]. Quadratic
BF22, CHSS20, ID20, Sac22, YOH+20. Quadratization [Yan21b].

Quadrature
[DHMT21, TM23, WK20, AKK20, BT20, DY22c, FCY+20, GB22a, KKN20,
LYS+22b, LSY+23, PPPO22, Say22, SBVM20, SLQW22, VVL21, vdB20].
Quadrature-based [TM23, SBVM20]. quadrature-finite
[LYS+22b, LSY+23]. quadrilateral [BW23, GWWH20, KRL21, PP22b].
quads [MN22]. quadtree [BFI22]. quadtrees [CPK22, PPV+21]. quality
[HW20b]. quantification [BBO+22, BCPV21, CDT22b, CCMS20, EPL22,
FJG+20, GN22, GGEJ20, KLG+22, KWF20, NYZ21, PMZ+23, SSG21,
SBJ+23, TBST20, XF21b, XF21a, ZBB21]. Quantifying [KNP20].

Quantitative [FS23b, MM21a, LTK+22]. quantities
[LC22, YL21b, VGG23]. Quantum
[Le21a, TS20, ÁAL+21, AFL22, CZ20b, HKRS23, HXZ23, JLY22, WLZP21].

Quasi [BFS23, PLM23, SSS22b, BFL20, CHT20, CCE+21, CF20, GWC+22,
GCL+22, Lee21, LAT+22, MDG20, NTSM20, SHL+20, WZ23, SS22d].
quasi-gas [CCE+21]. quasi-geostrophic [CHT20]. quasi-incompressible
[GCL+22, SHL+20]. quasi-Newton [Lee21]. quasi-optimal [MDG20].
Quasi-periodic [BFS23, PLM23, BFL20, WZ23]. quasi-similarity
[NTSM20]. Quasi-Spectral [SS22b, SS22d]. quasi-static [LAT+22].
quasi-symmetry [GWC+22]. quasi-uniform [CF20]. quasidiffusion
[Ga20]. quasilinear [Bre20, ZC22a]. quasi-periodicity [CSX21].
quasistatic [AR22, KC20a]. quiescent [NTSM20].

R [Pan20b]. Race [BABD21]. radar [MTB22]. radial
[DW20b, FZS+21, JYY22, KEY20, LYS+22b, TVL+22, WQZP20]. radially
[Bre20, SOBP22]. radiation [BOB21b, BOB21a, BVR22, BRZ+23, BD20b,
CSS20, CIMG21, CCH20, DDR22, DW20a, HNF+21, JTT22, KKL+23].
LSW20, MH22a, PM22a, PMF20, TR21, TLWM20, Yan21a, YAX20].

**radiation-moment** [LM21c]. **Radiative** [GHP+23, ASBM20, Ani21, BOB21a, BTG22, DS23, FLZ20, GA20, HCCR22, JBF21, LHWZ21, LM21c, SSS20, SH22, TZ21, XSS22, XJS21, ZCQ19, ZCQ20a], **Radiosity** [Arn20].

**RAM** [KNS21]. **RAMSES** [SC22c]. **Random** [ALFN22, DFJ22, ZS21a, CLY21, CKLM+23, CC20, CY21, DL21, FZ21, FCY+20, JLRZ20, LSS20, L20b, LP22, LM22, NH20, TL20, WD23, ZHH22, JLL20].

**Random-batch** [DFJ22]. **random-choice** [ZZH22]. **Randomized** [SPdS+21]. randomly [FTY+22, KT20].

**Range** [Kho20, HMMO20, MCBA20, MM21b, PLYZN23, SH23, ZDC20].

**Range-separated** [Kho20].

**Rank** [TL20, ARGK22, CH22, DCSG22, EOP20, EJ21, EM21+21, GQ22, KWMF22, Os20, PM20, PM21b, PM23, ZOG21b]. **Rankine** [GKL21].

**RANS** [AF21, AFPZ21, BPJ22, DR20, ZDS+21, ZAW+20]. **RANS-based** [BPJ22]. **RANS/LES** [DR20]. **Raphson** [VdGP20]. rapidly [TPPA22].

**rare** [DSS+22, ZSM22]. rarefaction [SH23]. rare[ed] [GMNY23, LSC+20c, LZ20, SKT20, SKCM22, SZW20, XLXC20, YGW+20, YZSD21, ZZ20, ZPS+21].

**Raschle** [BX20]. rate [CSASS21, LYZW21, LO23, MLM+21, YKdHC20]. ratio [CPGD20, DC21, GQF23, HRWP22, RZ20, WLKR23, WGY+21, ZWLG23, ZOEL20].

**RBF** [MM23, AMG23, CS23, GFF20, LSY+23, MFG22, TB21, ZP20, Zha22].

**RBF-based** [LSY+23]. **RBF-FD** [CS23, MFG22, TB21, ZP20, GFF20].

**RBM** [JLL20]. **Rd** [CE21]. **RDFM** [XHY23]. re [LHFH20, SBJ+23, GCSH22]. re- [SBJ+23]. re-initialisation [LHFH20]. reacting [BB20a, CAF+22, DY22d, FCW21, JK20, KCD+23, OCGT22].

**reaction** [Ad22, AAK20, ARR21, BFP21, CCL21, CZ22a, Coa22, FGK22, KV20, LLO22a, LW21, LY23, SSPV20, SM22, TZ20, Yu21a, ZJZK20, ZZ20].


reconstruction-based [RS20c]. recording [AL20]. recovered [LLSD20].

Recovering [EG20, GLL20, CHZ22, YYL20]. Recovery [JKJ20, BZ20, CHZ22, LGZ21, Nis20c, TL20]. Recovery-assisted [JKJ20].

Recapitulating [BG20, CJLL21, DSZ20, ML20]. rectangular-polar [BG20c].

Recurrent [WRH20]. Recursive [AFS, ZT23, SI22]. recycling [CC22a].

Red [RE22]. redatuming [AN21b, AL21, ZC22b, ZC22c]. redened [TKK22].

Redistanciation [MSIM21]. redistribution [BG21, GAB22a].

Reduced [DJ22, GHSN21, WCL20, ADK21, AHR20, AMW22, BVR22, CFS22, Cha20, CGJM21, CWHZ21, CJW22, CCCH23, CBA20, CBA21, DDP20, DCA22, DFP21b, EFY23, EM21, FFRT21, FAA20, GRS22, GQR21, GS21, HSMR20, HTRC23, ISM23, JADS21, KC20a, KW20, L20c, LT20c, Ly2c, NKT21, PB20b, PB22, PO23, RLH22, RBF21, RIC22, SH23, San20, TCK22, WW20a, WH20, WCF22, XLLH21, XLS22, YSMC21, YZSD21, YM20, ZWB21].

Reduced-dissipation [FFRT21].

Reducing [CSASS21, GEWD22]. reduction [ASBM20, An21a, AWB20, BF22, BVR22, Ben23, BW20, CGJM21, CCGC23, Da22, DFGR20, EAK20, FTZ22, GFY20, HWDM22, KC20a, KV20, KSK21, LT22a, LC20, LL21c, MZ23, OA21, PC21a, Qia20, VACE21, WCL20, WDH21, YH22b, ZGLL20].


Reﬁnement [AM22, ADM22, AWB20, BB20c, CAF22, DS23, DMR20, FW22, GGF23, KRL21, LLW20a, tLJT2Z22, MZC22, NGZ22, RAZA21, SC22, ZWP23, Der23].

Reactivities [ZC22b, ZC22c]. reflector [BCIR22, RT22b]. reformulation [DD22b]. regeneration [LZPM22].


Regularisation [van22]. regularity [CWW22]. Regularization [LGZ21, BCIR22, DDL2a, JKZ21, LL20, WSA22, ZL23]. Regularized [BY20, ZMS20, XYY20, LY20a, NCC21, SL22a, WCM21]. reinforced [LLZ20].

Reinforcement [BPBM23, HGV21, KKY22, ND23, PS22a, VRK21b]. reinitalization [AAM20, HCL22, XSA21]. Reinterpretation [AO22, XY20].

Reinterpreted [XY23]. rejections [CSASS21]. related [ABH21, tLJT2Z22, WZ22]. relation [EL23, NG20]. relations
QCWC23, TTSP21, WDL+21a, WLPK20, WR23b, XF21b, XF21a, YSCM21, ZPS+21, ZO21]. scale-bridging [LLB+23]. scale-invariant [DLWW22]. scale-resolving [DEB21]. scaling [DHM21b, KCX+21, LPZ22, PCQL20, TPYX22, WZBV20], scattered [CS23, HM22]. scatterer [AL20, ABDD20]. Scattering [KKL+23, AHG21, AL21, BGH20, BB21, Bre20, BG20c, BFL20, BY20, CCER20, CE21, CAG20, CMS+22a, CJLL21, DLL22, DLMZ22, FZQ22b, FCY+20, GLWZ22, KR22, HHL20, HL22b, JWH20, KFSM21, LY20b, LMUHR22, MTW23, MGA20, Par22, PTT22, PN22, Tak23, TLWM20, TPA22, USRH20, VBA22, WRBK20, YYL20]. Scharfetter [Kan20, NBR22]. Scharfetter-Gummel [Kan20]. Scheme [SLOZ21b, SLOZ21a, ARC22, AT20, APR22, AZV23, AAKW20, BL22a, Bal21, BBH+20, BTZ22, BCIT22, BSA21, BSA22, BDF+23, BDI+21, BCP22, BFG23, CPX21, CPX22, CKLZ23, CF21, CHT20, CZ20a, CWY21, CJW22, CY22b, CN22, CLJ+20, CWW20, CTCS22, CCH+23, CSY20, CNCM21, DDR22, DVS22, DLP21, DLWW22, DWWZ21, DOQ23, EJ21, EC20, FCWS22, FFRT+21, FLW20b, Fu20, FTK23, FP23, GCV22, GWH20, GQS20, GBLT20, GLLM22, HPA22, HZTN21, HZD21, HYM20, HLXX21, HY22, MLA20, MLA21, IMJ20, IMJ22, Jai21b, JYY22, JPSX20, JLR20, JT22, KGR22, KGB20, KK22a, KDLZ23, KJ22, KL20, KWMF22, LPM+20, LCJ20a, LOL20, LCSZ21, LLQC21, LDW21, LZ22a, LY22b, LZ22a, LYSF22, ILT20, LNY20, LAQQ22, LR21b, LM20a, LD20b, LNY20, LNZS21, Liu21, LW21, LZY+22b, LKG+20, LPW21, LY22c, MGP+22, MN21]. scheme [MA21, MYL21, MW22, MMZ22, MPMD20, NK22, NVK+22, PEA20, PX20, PWX22, PWI+22, PZ2+23, PCB21, PJR23, PLL+21, PP22c, PV20, PC22, QWZ21, RE20, SOV21, SL22b, SHL+20, SVBM20, SMAY22, SSS+20, SC22b, SSS22, TFWX22, TTY22, TPK20, Tch23, VOL23, WX22, WN22, WZ22, WS22, WZ22, WCP23, WDK22, WGU+22, WAB21, WZBV20, WZL21, XLXC20, Xia21, XF21b, XF21a, XDL21, XG22, YL20, YGJ21a, Yan21b, YGJ21b, YM21, Yan21c, YRHN22, YWCI2, YTK22, YH22a, YY22, YKdHC20, YYL20, YW21, ZB21a, ZCYS20, ZL21b, ZQ+23, ZWL23, ZZ20a, ZCQ20b, ZQ20, ZJSX22, ZZ22b, ZSQ21, ZG20, ZPS+21]. schemes [AÖR22, ADP22, An21a, ADJ23, AST21, BAT23, BGBF20, Bar21b, BBF20, BG21, BB20c, BCR22, BD20a, BP21, CB22, CT22, CL22, CK21, sCLP+22, CD23, CSS20, CDX+21, CBB20, CPG21, CB21a, CB21b, CK22b, CN21, CS21c, CS22, CA22b, CD23, DH+22, Den23, DDB21, DJ20, DSZ20, DHR20, Don23, DGW20, DT20, DT21a, DT21b, DT22c, DV20, FZQ21, FZQ22a, FZ20a, FSW22, GBC+20, GCLM22, GKL21, Gin21, GSFH22, GZW20b, GPHAPR+22, GMA23, GMD22, GS21, GLK20, GS20, GFF20, HHK+23, HMM22, HRY+22, HHS22, HCdM23, HL20a, HX21, HSW22, HRWP22, HXX22, HS23, dMKJ+22, Jj21, IK23b, JTW22, JRD22, Kan20, KBCH20, KLN20, KDMJ+22, KF23, KQ+21, KD20, KD21b, KLM23,
schemes

Scientific
KSI+23, KEY20, LCG22a, LMZ21b, LL21d, PK20, DM23, PP22c, PS22c, QHZ+22, RK21, SV23, SH22, UBT22, XGCW+20, ZEG21, ZJZK20, ZX22.


Semi-implicit [TZ21, BB20a, BBD+20, BZC+22, BP21, BDI+21, CCY+20, KBB21, KSI+23, LMZ21b, LL21d, PP22c, PS22c, SV23, XGCW+20, ZEG21, ZJZK20, ZX22].

Semi-Lagrangian [YM21, ZA20, BFG22, BCR22, CBQ21, CBRY21a, CBRY21b, DCGQ20, LCG22a, PK20, DM23]. semi-permeable [QHZ+22]. semi-resolved [CZ22b].

Semi-smooth [BE20].

Sensitivity [FGB+20, KP23, Bha20, CBCF20, FJG+20, KCP20, SJGC21, YS22].


sequence [DD21]. sequences [GGN+20]. Sequential [LLW20a, LTT21, MTWBT21, LTD+21, MH22a]. series [DS22b, HYZH22, JWH20, Mon21, NPD20, TXH+21].


shapes
[MSIM21, PTT22, TWY22a, ZQC+23]. Shared [DFG+23, RA21]. Sharp
[BCL+23, AuL20, ALL22, BL22a, BEB+22, BSW+22, BSV22, DU20, KSH22, KBS+21, LCP21b, MR22, MMM23, PR20, PJR3, PG20, RKA+23, RSWD21, SRD20, ZQC+23, ZZN22, ZGK+22]. Sharp-interface
[BCL+23, BL22a, BSW+22, DU20, KSH22, LCP21b]. sharpening
[CNC21, LLPL22]. Shaw [CY22b]. shear
[AP22, CNMB20, PWK20]. shearing
[WNB21]. sheath
[BBC21]. sheets
[AR22, CLT21, CMPZ22]. shell
[BBKB21, Gar20, YYM+22]. shift
[LKJL22]. Shifted
[CMNS21, IK23a, XSA+21]. Shifting [MVO+22, YRH22]. Shock
[CRPB20, AK22, BBB23, BZSF20, Cal21, CF21, CD23, DHM21a, DU20, FL21, FAHA20, FAA20, HRRHG21, HHVM20, HJJH+21, HYY22, HZZ22b, JRD22, KK22a, LFA21, LLS20, MLM20, MM20, NLZ+22, PB20a, PS22b, PL20, RRHH+21, SP222, SS22b, SS22c, SS22d, VEC21, ZSP20, ZJSX22]. shock-capturing [LFA21, PB20a]. shock-dominated [BBB23]. shock-fitting [CRPB20]. shock-induced [DU20]. shock-stable
[AK22, FAA20, HY22]. shock-structure [NLZ+22]. shocks
[BSA21, OGG20, RSWD21, Uii20]. shooting [FVM22, FVM23]. short
[KLP22, MM20, PH21, TXF23, XG22]. short-memory [XG22]. shortening
[SM21a]. sided [BBGT21, LZ22b, ILNZ21]. sides [HJ22]. Sign
[FGTY23, YYX21]. Sign-preserving [FGTY23, YYX21]. signature
[CMPZ22]. signed [WZ23]. similar
[CS21a, QSZB20]. similarity [NTSM20]. Simple
[DG23, LG21, LAS22, SPdF20, BV21, DSZ22, GF21, JJ21, LDLW21, LFY21, MMZ22]. simplex
[Bar21a]. simplices
[LD22, MZ20]. similarity [NTSM20]. Simulating
[BL22a, HPS23, KLS+20, ZMW23, CBBI20, DS20, EM20, EPL21, JGM+22, JLCT22, KCT+23, KD21a, LS22, LYT+23, LDM+21, LZZ+22a, LFL+22, MMDmB22, OB20, OL20, PBGB21, SS22a, XSH20, YHC+22, YKdHC20]. Simulation
[AR22, MMM23, RSWD21, SXZ+23, VSB+22, WCA+20, AT20, ACHG+21, ACML20a, ACML20b, AMBR22b, BBC21, BEB+22, BBV23, BDWC23, BGSP22, BSV22, Br20, BTL23, CPX22, CFH20, CB23, CC22a, CZL20, CW22b, CDL+22, CKLM+23, CK22a, CCAR22, CV23, DZJ22, DU20, DVS22, DDVO21, DSS+22, DS20, DG23, DGS20, DEB21, EGTG+21, EMS21, FBG20, GRC+22, GPSMH20, GDB23, GDF21, HY22, HK22, IJ22, IKP22, JAI22a, JFW21, KOM+22, KFSM21, KSKY21, KVKE21, KH21b, KS21d, LCP21a, LPP+21, LTD+21, LHC22, LLD20, LYY20, LYS22a, LHXZ22, LW22a, LXXF22, LY20a, LXL23, LYSZ20, LSC+20c, LMZ21b, LR22, LZZ+23, LHL+22, LCJ+21b, LWZ+21, MKHI20, MSK+22, MA21, MFTZ20, MMSW22, MB21, MHY21, MKM23, MD20b, NIT21, NNN23, ND20, Nic2, NW21, NVK+22, OGV22, OLP23, PSJ23, Pan20a, PLL+21, PLKM22, QCCW23, RMM+22, RKR20, RVK20]. simulation
[RGLN22, Sab20, SH23, SGB+21a, SGPW21, SDKL21, SRD20, SAL+20, SOG+22, SMF20, SS22b, SS22d, SOB22, TFC22, TZ20, TTSP21, TLB20, Vre17, Vre21a, WGY20, WL20, WYHL21, WNB21, WLRK23, WCP23,
WA23, WGU+22, WWN+22, XKZ21, XBD+20, YWN20, YZSD21, YYJ+23, YYY+22, ZXBS22, ZSM22, ZYL+23, ZR20, ZZY+20, ZZX20, ZPS+21, ZF20, dKSA21, dSld2a+22, vNGB22, RBBD22. simulation-based [XKZ21].

Simulations
[HSK+21, ARC22, ADP22, AK22, AP22, BAT23, BLL19, BLL20, BZ21, BBF20, BV20, BW20, BD20b, BDB21, BPJ22, BBW+21, CHS20, CMGGS23, CTD22a, CCM+22, CDJM21, CCN21, CI21a, CI21b, CLP22, CBP21, CA22b, DC22b, DFB20, DFW22, DGW22, EC20, Erc22, EAK20, EFSH21, FSB+20, FGL+22, GHNS21, HZTN21, HHL20, HL22b, HGB20, HT20, HL20c, HB21, JTK22, KSS21, KBSF22, KL22, KSK21, KD20, LM21a, LWL22, LSC20b, Li21, LMG+21, LWWH23, LFW23, LCP21b, LKG20, LMHL21, LCDS23, MSWH22, MN20, MM21c, MM22, MMYT23, MRBS22, NNL+20, NFA21, NKT21, OLS21, PEA20, PHHJ22, PBO20, QAS20, RR22, RE20, SGMT20, SGW21, SCB20, SJ21, SLOZ21b, TCA21, TJ22, TM23, TVL+22, VLC20, VdGP20, WX22, WLW+20, WY22b, XGCW+20, YM21, YAP23, ZOG22, ZGLL20, ZL21a]. simulations [ZWZL22, ZJSX23, ZLC+20, ZO21, Sva22]. Simulator [KTBP20, LZC+20, YZK23]. Simulator-free [KTBP20]. Simultaneous [SKT20, WZ21a, ZC22b, SZ21]. Simultaneous-approximation-term [SKT20]. simultaneously [CHZ22].


[CM20, CLT21, CMS23]. **smoothness** [FPT20, Vev21, WWZ20, WWLZ21].
**Sn** [GHY22a]. **Sobolev** [Kar22]. **sodium** [FSDB20]. **soft** [BPG21, XLHB22].
**solar** [ACML20a, ACML20b, IK23a, MFG22]. **solid** [AAM20, DDVO21, Dup21, FTP20, HRR21, HVB21, HLA22a, IK23b,
JLCT22, LQT+23, LQXM22, PG20, QERT20, RDAB23]. **solid-liquid** [LZT+23]. **solid-state** [IK23b]. **solidification** [BTEK22, JTK22, LPJ+23]. **solidification-melt** [LPJ+23]. **solids** [AD21, BB20b, HLA20a, JAW+23]. **solubility** [LCCM22]. **soluble** [ZKY+20]. **solute** [LZC+23]. **Solution** [JHJ20, PKG20, WZBV20, ASC+23, ASS21, ARR21, BB21, BEP+20,
CCPS21, CYS22, CCCH23, DT22b, EJ23, FML21, GHY22a, Gar20, HKKS21,
HA21, HRG20, JWH20, Kar22, KTB20, KLZ23, LPL+22, LLM20, LCN20,
MRG21, MBB22, MS20b, MPMD20, Oru21, Os20, PM22a, Per23, PA20,
SHS+20, Sel22, Sem21, SRV21, SBVW20, Thu22, TDB+20, Vab23, VRK21a,
WMTQ20, XZ22, XF21c, YCH21, YZZZ22, ZM20, ZLL23]. **solvability** [LP20b]. **solvable** [Che20, FZQ22b].
**solve** [OWHN22, RA21, TWY+22b]. **solved** [YH22b, ZP20]. **solvent** [LCN20]. **solvers** [CSA21, CC22b, GMRS20, GMA23, GKA22, HPPZ20, KBCH20, KNS22c,
KSS22b, KS21c, KCCR22, KAZ23, KCD+23, LCH20, LVK+22, LL020a, LL22, LZS22b, LW22a, LZZ2b, LHM20, LSZ20,
LSC+20c, LFW23, LLD+22, MLHR22, MTO21, MBR22, MBE21, MM21b,
MR21, Nis20b, Nis21, OGV2, OBB22, PWH22, PBN+21, Puk20,
RMA20, RS20b, RBPR20, RAS20, RB22, RA21, RE22, SL23a, SL22a,
SAL+20, SMW+22, SACT21, SH22, TTY22, TB22, TSP22, UBT22,
VM021, WDS22, XNJ+20, XC20, XHL22, XC23a, YLM21, YA21, YFLL21,
YM20, ZQS+21, ZQL+22, ZO21, ZGK+22, dSLdA+22, vHP22]. **solving** [AL21, BG20b, CHOS21, CPG22, FY20, GZ21, GZ22, HZL20,
HJ22, HQX23, MV20, MFG22, PZ21, PMACG21, ZLS22, ADK+21,
BRT22, Bat20b, BAK22, BL22, CCL20, CCE+22, CLDC20, CDX22,
CUM20, DCGQ20, DSZ22, EBC+22, EFO19, EFO20, FZ20b, GSW21,
GDL23, GKP22, GAB22b, HNS20, HLA20a, HSS21, HRWP22, KKP20,
KNS21, LSS20, LM21b, LCR22, LZY22a, LT22b, LMZ23, LFT+20, LOLS23,
LMUHR22, LMK21, LpW21, LZCC22, MHW22, MM23, NCO22, OSI22,
OGG20, PKC22, PHX23, PK20, QG21, RZ23, Sab20, SH23, SAP22, SY21,
TTY22, TWY23, VVL21, VMBS20, WWG20, WSAZ22, WZWZ23, WL22, Xie22, YAX20, YNT20, ZA20, ZGLL20, ZWZL22, ZL22. *Some* [CSASS21, DM21, FBCD22, TPPA22, YL21b]. *Sommerfeld* [KS21b]. *Sonic* [AG21, YWN20]. *Sorption* [ACR23]. *Sound* [AMM20b, TWY22b]. *Source* [BCIR22, Don23, ER22, FZ21, GBLT20, HLB20, JL21a, KTDG22, KHS20, RtTBI20, TWY22b, WHN20, YS22, ZL23, ZH20]. *Sources* [Ara20, ADM21, BS20, KSHJ20, LCL22b, LRW21b, WGB22]. *Space* [BBQ21, CBA21, KSW22, TCR20, AMM20a, BTEK22, CCWX22b, DGW20, EMS21, GJLD20, HBF21, KTDG22, KKN20, LCL20, Liu20b, LN21b, LY22c, MF522, MPMD20, OGM20, PS22b, PM22b, PPH22, VRK21a, WX20, XLXC20, XLLH21, XY20a, YLNT20, YWLL21, YZZZ22, ZJZK20, ZL22]. *Space-fractional* [DGW20, YWLL21, YZZZ22, ZJZK20]. *Space-homogeneous* [PZ20]. *Space-time* [BBQ21, CBA21, KSW22, TCR20, AMM20a, BTEK22, GJLD20, HR20, LY22c, MPMD20, PM22b, VRK21a]. *Spaces* [AFGLM20, FBCD22, HW20a]. *Spacetimes* [BL21a]. *Spalart* [LMFV22a, LMFV22b]. *Spalart–Allmaras* [LMFV22a]. *Spanwise* [FWNT21]. *Spanwise-averaged* [FWNT21]. *Sparse* [AR21, RR21a, BPJ22, DFG23, ELSV22, FGB20, GHTC21, HBF21, KTDG22, KKN20, LCL20, SKP21, SSW22, TJC21, XZW21, XZ22, TPSN20]. *Sparingly* [WLKP20]. *Sparcity* [HR22]. *Spatial* [LKEM21, MAPS20, BL20, JT22, LP21, LLY20a, LZZ22, LM21c, Mon21, TRC22, XKZ21, XBRL21, YKL22, ZL22]. *Spatial-temporal* [JT22, XKZ21]. *Spatially* [WZ23, BBB23, FSW22, LSL20]. *Spatially-filtered* [BZB23]. *Spatio* [HL20c, KLF22, LSZ23, ZB21c]. *Spatio-temporal* [HL20c, KLF22, LSZ23, ZB21c]. *Spatiotemporal* [KH21a]. *Special* [EFS20, ZX20, CKT21, CW22a, DT20, DT21a, DT22b, DT22c]. *Species* [ATCS20, DFJ22, FNT22, HHH23, LLWX22, RWD22, XYL22]. *Specific* [LVK22, QCWC23, WK20]. *Spectra* [KCL23]. *Spectral* [CMS21, GB22a, HB21, LN21a, LN21b, MF522, NdILPL21, Sac22, SS22b, VVRWT21, YNT20, ARR23, AS20, BCJM20, BCF22, CMRR21, DLT22, DW22, EDLF20, EPL21, EPL22, FDP20, FHT21, Gao22, GFG22, GLLM22, HBFB20, HKJ21, HLM20, HQ20, HPPP20, KS21b, KD21b, LP20a, LRW21a, LLWX22, MGV22, MBE21, MAPS20, NS23, Nic22, Pan20a, PKL21, PLKM22, RMA20, RRF22, SRH21, SHS20, SW22, SPPV20, SS22c, Sti20, TH23, TNF23, TWY22b, VMB20, WMS21, WWG20, Wan23, WD23, XSC21, Yua21, ZB21b, ZWY21, ZH23, ZJZK20, ZF21, ZMG22, SS22d, VPDD22]. *Spectral-Galerkin* [Yua21]. *Spectral* [MAPS20]. *Spectral/hp* [MF522]. *Spectrally* [Ste22]. *Speed* [Bar21b, DLM23, HBFB20, HZ22b, LTK22, NKA20, TPK20]. *Speed-up* [LTK22]. *Speeds* [DEW20]. *SPH* [YKLL21, HZHL22, LBSR20, LKJL22, NFL21a, NFL21b, PRO22, REC22, RZH20, SLO21b, SLO21a, VOL23, WKKB21, YRHN22, ZRH21, ZSY21, ZZZ22]. *SPH-ASR* [YKLL21].
**SPH-MLS** [REC+22]. sphere
[Bal20, BP22, CLXS23, CVM23, EJV22, GCDT22, GLWY22, HT21a, HSM20, tH22, LP20a, SGT23, TN23, Vre20, Vre21b]. spheres [Vre17, Vre21a].
[KSBG20, CND20, GMRS20, GU20, HRRHG21, KK22b, Lak20, LJW+22, Li20, MKB20, MTW23, MD20b, SDKL21, SBL22, SKTK21, ZDC20].
split-step [Lak20, Li20, SDKL21, ZDC20]. splitting [ARB+21, AAKW20, BCWD21, BL20, BGSP22, CQA21, DS22b, EPV21, EOP20, EK21, GPHAPR+22, LLCJ23, LQX22b, LQX22a, LZ20a, LWW21, LW23, OGVM22, Sac22, SL22b, Tow20, XLZ21, XG22, Yin21, ZYW21, ZOG21b, ZZH22].
SQP-based [FVM23]. square [LSZY20, YK22]. square-based [LSZY20].
Squares [GTKA20, GKA22, LKEM21, BBGT21, CCLL20, CCL21, CZCY23, DVS22, HWDM22, JRY+20, LCWJ20, PC21a, SMSAGG22, TB21, ZC22b, ZC22c].
SRS [WNZ20]. SSDC [PBN+21]. stabilisation [MAPS20]. stabilised [DPX23, NYJ22, SPF21]. Stability [CS22, KD21b, LQX22b, LQX22a, PCQL20, RV20, RC20b, TCS22, BCF22, CMR21, CN21, DZJ22, DBC+22, GS22, GFY20, GLT+20, HBF20, HP22b, IK23b, KBC20, LW22b, MD20c, OY21, RUG20, RWBS21, SW23, WMTQ20, ZHY22, ZLI23].
[BFM21, BL21b, Gla21, GCSH22, LDCS3, MBAG21, van22, Abg20, AD21, AP20, AK22, BBC21, BGH20, BKY21, BWG+20, BDMP22, BBDC22, CMR21, Cha20, CT22, CLW22, CWW20, CSY20, CND22, CDN+22, CMRR21, DMN22, DWWZ21, DW20b, DT20, DT21a, DT21b, DT22c, DVB20, EWN+23, FCWS22, FQSW23, FSB+20, FAA20, GCLN22, GHHR22, Gar20, GZ20b, GMD22, HZHL22, HRRHG21, HX21, HY22, HSS21, HSW22, Jai22b, JRD22, KLS+20, KWS22, KWCS23, LBSR20, LS22, LN22, LCS22, LB21, LDDW21, LNYD20, LCT23, LBM20, Lin20b, LMVF22a, LMVF22b, LsxCl+20, MRK+20b, MRK+20c, MGV22, MPSP22, NT20, Nor22b, NMR+21, NMR+22, PHP21, PBN+21, QWZ21, QQ22, Ren21, RBD+21, RRHH+21, RRHCG23, San20, Sar21b, SHL+20, SN21, Svi21, TT22b, UY22, VRK21a, VPDD22, WTO+21, WH22b, WZSC22, WKW+22, WLZ21, YU22, YD20, Yan21b]. stable
[Yan21c, YYD+22, ZEG21, ZY20b, ZOW22, ZR20, ZH21]. stage
staggered [BBD²⁰, BDF²³, BDI²¹, CS²³, DVB²⁰, GS²¹, KKS²¹a, KKS²¹b, LPP²⁰, LL²¹b, LD²⁰a, LP²³, OP²⁰, PKC²², QPW²¹, SWG²⁰, SWG²⁺²³, SGT²³, Vrc¹⁷, Vrc²¹a, WY²²b, XZC²¹, ZLW²²b]. staggered-grid [SWG²⁰, SWG²³, ZLW²²b]. staggered-projection [LL²¹b]. standard [HPRW²⁰, SC²²c]. State [KBC²², MOBR²², AHG²¹, AMK²¹, BG²¹, CL²⁰a, CKT²¹, CMG²⁺²³, Dup²¹, GSW²¹, GTDB²², GAB²⁺²²a, HLB²⁰, HKS²⁰, KM²²b, LYY²⁰, LZZ²²a, LRAQ²², Liu²⁰a, PSRM²⁰, RA²¹, SZW²⁺²⁰, WX²², WDS²², Wan²², ZCH²²]. state-space [HLB²⁰]. states [HPRW²⁰, SC²²c]. statistical [BCJM²⁰, CDJM²¹, Che²⁰, GKA²², KAC²², ZTK²³]. statistical-informed [ZTK²³]. Steady [JP²², GSW²¹, GLK²⁰, JLL²², KM²²b, LZZ²²a, LRAQ²², Liu²⁰a, LFZ²¹, MD²⁰c, PSRM²⁰, RA²¹, SZW²⁺²⁰, WX²², YZSD²¹, ZG²⁰]. steady-state [GSW²¹, KM²²b, PSRM²⁰, SZW²⁺²⁰, WX²²]. steady-state-preserving [Liu²⁰a]. steepness [HRY²⁺²²]. steepness-based [HRY²⁺²²]. Stefan [BEB²⁺²², FM²⁰, FLS²³, HSS²¹, MRL²⁺²³, WP²¹]. Stein [PT²³]. Stein-based [PT²³]. Steklov [AIN²⁰]. Steklov-Neumann [AIN²⁰]. stella [SOBP²²]. stellar [BRZ²⁺²³]. stellarator [GWC²⁺²², VCPGR²²]. stellarators [MND²⁺²⁰]. Stencil [Ts²³, AD²⁰, Den²³, XBRL²¹]. stencils [ID²⁰]. step [AN²¹b, CC²²b, DEvW²², HTV²⁺²², Lak²⁰, LL²¹a, Li²⁰, LD²⁰b, LKG²⁺²⁰, LHFH²⁰, PCB²¹, PCB²², PSRM²⁰, SDKL²¹, SW²³, YWC²³, ZDC²⁰]. stepping [ARC²², CP²²a, DGGL²², GLLM²², KS²²a, KSI²⁺²³, LJ²², LW²³, LIT²³, ILT²³, NAZ²², Sev²¹, SSM²¹, SP²², VLV²⁰, WGU²⁺²², ZRH²⁰, ZY²⁰b]. steps [LOL²²]. steric [QWZ²²]. stiff [AD²⁰, BF²¹, BB²⁰a, CMR²¹, GCV²², NV²², SMR²², VN²¹]. stiffness [DE²²], stir [CF²⁺²²]. Stochastic [AKYW²⁰, CKLM²⁺²³, DYGC²², EH²²b, FGK²², GFPO²², MPZ²³, OPM²², Sab²⁰, SQS²⁰, WK²¹a, ACHG²⁺²¹, BTZ²², BGH²¹, BJ²², CGC²¹, CL³⁰b, CL³⁰c, CHF²¹, CCHS²⁰b, DEN²², DF²², ELSV²², EPL²¹, FGB²⁺²⁰, FZL²⁰, FJ²¹, FH²², GWZ²², HHS²², HHL²², KTB²², KKS²¹, KMF²⁰, LSS²⁰, LJ²⁰, LPZ²², PZ²⁰, PB²⁰b, RMM²⁺²², SSK²⁰, SP²², SSX²², TC²³, WMS²¹, WDL²⁺²¹, WDL²¹b, WDL²¹c, WCF²², WPBS²², XF²¹b, XF²¹a, ZMK²¹, ZSM²², ZMG²⁺²², ZTK²³]. stochastic-extended [ACHG²⁺²¹]. stoichiometry [SvDT²¹]. Stokes [FQSW²³, GHHR²², HMR²⁰, LMFV²²a, MRK²⁺²⁰b, NYY²², NMR⁺²², PSI²⁰, QHLL²⁰, Vre²¹b, ADK²⁺²¹, AKYW²⁰, AK²¹, Bal²¹, BCIT²², BHK²⁺²², BP²¹, CZZ²¹, CLW²², CZ²⁰a, CLDC²⁰, CJW²², CKLM²⁺²³, CQA²¹, CK²¹, CPK²², CS²³, Co²⁰, DY²²a, DD²²b, DS²⁰, DLY²², DGW²², EJ²³, FZQ²¹, FZQ²²a, FHKW²¹, FWNT²¹, GGCvR²², GS²², GCL²⁺²²,
HBFB20, HMO$^{+}$20, HR20, HRWP22, HS23, JCLK21, JKJ20, JK20, KS22c, KS22b, KS11, KMR23, KLS$^{+}$20, KSI$^{+}$20, KPPB20, LN21a, LN22, LHC22, LG20, LD20a, Li20, LCSZ21, LLNL21, LLO22b, LWF23, LNYD20, LCT23, LFT$^{+}$20, LMFV22b, LP20b, MRK$^{+}$20a, MHLR22, MOBR22, MBE21, MDF21, MHY20, NAZ22, NGZD22, OY21, OBB22, PCB21, PCB22, RUG20, RRFK$^{+}$21, Sel22, SP22, Tlu22, UY22, Vre20, WZTZ21, WZBV20, WHS22, YU22, YCM$^{+}$20, YL20, YA21, ZML20, ZPGR22, ZL$^{+}$22a, ZH21, ZT23.

Stokes [aKAK20]. Stokes-cloud [CKLM$^{+}$23]. Stokes-Korteweg [DD22b, KMR23]. Stokes/Cahn [MRK$^{+}$20b, NMR$^{+}$22]. Stokesian [OSZ21].

storage [GMA23]. strain [FB22, LBC23, ZJ21]. Strang [LQX22b, LQX22a].

strategies [ADM22, BBDT21, KRL21, KR22, KWF20, LAS22]. strategy [ABDD20, CZLC20, FO22, KD21a, LSS20, LCT23, MLCM21, Sha21, SFGNMGN22, Suk23, SBVW20, TRC22, ZZH22]. stratified [TT20].

streamer [LZC$^{+}$20, SW22]. streamline [Bat20a]. streams [IK23a].

strength [DYGC22, KLA23]. strengths [KAC22]. stress [BSCG22, CDL21, EFO19, EFO20, PBJ$^{+}$22, ZAA23]. stress-free [CDL21].

strengths [HPW21a]. stretching [PO21, SL20a]. strike [MN20]. stripping [FSW22]. Strong [FDP20, CEW23, GS22, LDM$^{+}$21]. Strongly [ZHPZ21, CWW20, FR23, NG22, SLOZ21b, SLOZ21a]. strongly-compressible [SLOZ21b, SLOZ21a]. structural

structure [DWZ20, GWY21, HBG$^{+}$21, HPRW20, QXY23, ZXX23, AOR22, ASW21, ASS21, BFI22, BPG21, BDI$^{+}$21, BBKB21, BRS22, BFST23, Cai21, CMS21, CPGD20, DLZZ21, Dup21, FADJ20, GQF23, HLA20a, HISXZ21, He22, HPW21b, HLZZ21, KBS$^{+}$21, KS21c, LLCJ23, LLD20, LSW20, LSC20b, LOL22, LRW21b, LT20b, LWW21, MWY$^{+}$20, MJ23, NG22, NLZ$^{+}$22, NZXM21, PBVC22, QKG21, RB21, SX20, TF20, VSS21, WCF$^{+}$21, YH22a, YK20a, YWLL21, ZRH21, ZZY$^{+}$20]. Structure-preserving [DWZ20, HBG$^{+}$21, HPRW20, QXY23, ZXX23, BDI$^{+}$21, BRS22, HPW21b, KS21c, LLCJ23, LWW21, SX20]. structured [AAH$^{+}$20, APR22, MRYS20, MSWH22, NGZ22, RAZ21]. structures [BBKB21, BFST23, CCR20, DAJ22, DYGC22, FCP21, GZW20a, HYSS22, HRY$^{+}$22, IT22, LZLZ21, MMS22, NZXM21, QSZB20, TF20, YK20a, YXL22]. studies [KSW22, SES21]. Study

AMGCL21, Lak20, AMK$^{+}$21, BJL21, CPGD20, DS21, FCY$^{+}$20, GB22a, LTK$^{+}$22, MHW22, NM23, POS$^{+}$20, Par22, RY21, SGLP23, TZ20, TGM23, VGG23, ZQS$^{+}$21, ZQL$^{+}$22]. studying [MH22b]. Sub

[HiB20, HMM22, MCBA20, OLP23, PS22b, QJQW22, ZB21b]. sub-cell [ZR21b]. sub-cooled [MCBA20]. Sub-grid [HiB20, OLP23, PS22b].

Sub-grid-scale [MH22b]. sub-scale [QJQW22]. Subcell


[RBBD22]. subsonic [EK21, KKS21, LDCS23, Z21]. subspace
Theoretical [tLjTbZ22, KNG22, KGN22].
Theory-guided [ACD23, CHZ+21, WCZ22, XZRW21].
Thermal [BOB21a, Ani21, CKLZ23, CZ20b, CCW20, DC22a, EM20, FADJ20, FS21, GA20, GDB23, GFG22, Kan20, KM22b, KLZ20, MMZR21, MH22a, PGM22, TLWM20, TBG20].
thermally [XYL22].
thermo [HLA22a].
Thermo-gas-liquid-solid [HLA22a].
thermodynamic [PMT+22, KLS+20, KWDS22, PAA21].
thermometry [BAK22].
thin [BFST23].
three-point [BSA22].
three-scale [DYGC22, YSCM21].
Three-way [LBW20b],
throughput [ZG20].
Three-dimensional [CS21c, TTP22, Cam21, CCM+22, LZW22, FSW22, FZ20a, FGG22, GBLH20, HGC22, HGL20, GZ21, HSG+22, JZ20, LZW22, CC22b, CJ20, LRU22, LRT22a, OYK+22, PJK23, PLV20, RZ23, SL20, SOV21, SKCM22, SUK23, TAK23, VCNC+21, XY20, XZ20, YLNT20, YSN23, ZGL20, ZGFL20, ZFG21, ZWLZ22, ZPGR22, ZS20, ZXY22].
Three-field [BG20a],
three-phase [GPSMH20, ZS20].
three-point [BSA22].
three-scale [DYGC22, YSCM21].
Third-order [KB23, LL21a, QLY21, Unf21, XS22b, LL21a, LWYY22, Toh23, ZL21b, ZS20, vLN21, NV22].
Third [KB23, QLY21, Unf21, XS22b, LL21a, LWYY22, Toh23, ZL21b, ZS20, vLN21, NV22].
Third [KB23, QLY21, Unf21, XS22b, LL21a, LWYY22, Toh23, ZL21b, ZS20, vLN21, NV22].
Thomas [BW23, KAZ23].
thoracic [TVL+22].
three [BFST23].
thin [BFST23].
thin-foil [ACML20a, ACML20b].
three-domain [ABH21].
three-scale [ZG20].
throughput [ZG20].
Time [AH21, An21a, AL20, BD21, Bar22, BF21, BFST23, Jen20, JLY22, LKG+20, TL20, ZL20b, B22, ARC22, AHG21, AG21, AFL22, ATCS20, AFGLM20, AMM20a, AAKW20, AM22b, AL21, BDS23, B20, BB20a, BB+21, BG20a, BTEK22, CEM21, CM21, CP22a, CZ22a, CL20c, CY22b, CW22b, CC22b, CBA+21, CEL21, CEL22, CA22a, CC23, CSd2P+22, DGGL22, DeW22, DW21, DG20, DFJ20, DV22, EDLF20, EPL21, FVM22, FGKY22, FGTY23, FTPB23, FPT23, FY22, GCV22, GJ20, GM22, GTDB22, GA20, GDB23, GPHAPR+22, GFG22, GMA23, GR21, GKA22,
GW20, GLLM22, GLY22, HBFB20, HPA22, HSM20, HZB+21, HTV+22, HR20, HL20a, HX21, HL20b, HRG20, HYZ22, HLH21, JG21a, KSTTT22, KTDG22, KS22a, KCS21, KSI+23, KSW22, KLZ23, KNS21, KS21c, LBC23, LJW+22, LPP+20, LOL22, LWF23, LLTY23, ILTZ20, ILCZ21, LBT+23, Liu20b]. **time** [LD20b, LHWZ21, LR22, LOLS23, LN21b, LY22c, MDG20, MPSP22, MBE21, MYL21, MTB22, MMRP22, MPMD20, NAZ22, NDH20, PKC22, PB20b, PMF20, PM21b, PH22, PTT22, PM22b, PC22, Qia22, QHLL20, QCZ22, QW22, RMA20, RLH22, RC20a, RV20, RC20b, STEK17, STEK22, SSW22, Sev21, SWF21, SSMA21, SES21, SFGNMGN22, SP22, Tak23, TCS22, TFCH22, TCR+20, Unf21, VR21a, VL20, VdGP20, WRBK20, WMTQ20, WTX+21, WZ22, WP23, Wan23, WDK22, WGU+22, YLNT20, YZcDNS21, Yan21c, YWCI22, YW22, Yin21, YL21a, ZS22a, ZRH20, ZY20b].

**Time-Accurate** [BFM21, CMR21, Yan21c]. **Time-adaptive** [BFST23]. **time-averaged** [SSW22]. **Time-dependent** [AH21, AFL22, AFGLM20, AMB22b, BDS23, BG20a, CZ22a, DGW20, FPT23, GMB+22, GR21, HPA22, KCS21, PB20b, PMF20, PM21b, PH22, PTT22, Qia22, QHLL20, QCZ22, RV20, STEK17, STEK22, SSW22, Sev21, SWF21, SSMA21, SES21, SFGNMGN22, SP22, Tak23, TCS22, TFCH22, TCR+20, Unf21, VR21a, VL20, VdGP20, WRBK20, WMTQ20, WTX+21, WZ22, WP23, Wan23, WDK22, WGU+22, YLNT20, YZcDNS21, Yan21c, YWCI22, YW22, Yin21, YL21a, ZS22a, ZRH20, ZY20b].


**TMI/ALE** [CPGD20]. **Tokamak** [EFR21, GRC+22, Hua21]. **tokamaks** [CDT22a, HSB20]. **tolerant** [GB22b, KD20]. **tomography** [DZC+23, FY20, KLZ23, RB22]. **tool** [Suk23]. **toolbox** [CDJM21]. **topography** [GKT22]. **topological** [CMPZ22, WLZ1, ZPW+23]. **topologies** [RBPRST20, YYB23]. **Topology** [DZL+22, DAJ22, FAD20, GMNY23, DFJ20, GBC+20, GDAP20, HCL22, KKY+21, MQ20, NKA+20, Qia22, TSSOA20, WQ20, YXL22, ZBD22]. **toroidal** [RBPRST20]. **Torrey** [YLNT20]. **torsional** [YB22]. **torus** [FR23]. **total** [BBCD22, GU20, tLj TbZ22]. **TRAC** [AN21b]. Trace **[AN21b]**. **tracking** [AAL+21, L22, MBTS20]. **tracer** [TN23]. **tracking** [Bar20a, CIM21].
turbulence-induced [PPHO22]. Turbulent [SI22, BJR22, BDB21, BPJ22, CPX22, CMH20, CM20, Che20, CF22, CPBB21, DJID20, DTR20, GFY20, HSMR20, HM21b, JGM+22, KS21d, LNC+21, LAS22, PJW21, RWDG22, TGS+22, TNF23, ZO21, vNGB22].

Tusas [GNF22]. TVD [SBVM20]. twisted [YB22]. Two [CS20, HJH+21, Hua21, LXD+20, QERT20, WWG20, YRC+21, vdEW23, AdDMT21, ADJ23, BJ21, BL22a, BBV23, BDMP22, BSV22, Bre20, BMQ20, BE20, BR22b, Cal21, CKLZ23, CSCL20, CY22b, CZL20, CLJ+20, CBB20, CNC21, CK1, CLP22, CMRR21, DEN22, DZJ22, DY22a, DSBFN+20, DC21, DMHT21, DS21, FQSW23, FTZ22, FZ23, FCBM22, Fu20, FLS23, GDBFN+20, GQS20, GCV22, GCL+22, HdB21, HKS20, HCL22, HLA20b, HLA20c, IKP22, JMM20, Jai22a, JM22, JM23, JWZ20, JGR22, KBCH20, KLS+20, KWDS22, KKY+21, LL20, LKM22, LHC22, LL21b, LOL20, LL20a, LWR20, LYS22a, LLPL22, LJZK21, ILNZ21, LC22, LY20b, Liu21, LSZ21, LRT+22b, LLCK20, MJL21, MT201, MA21, MDG20, MCBA20, MIB20, MM21c, MM22, MKM23, MY+23, MP21, MD22, NKA+20, PB20a, PA21, PJA22, PAGJ23, PMF20, PLV20, PRL22].

two [QPW21, QSZB20, RWDG22, RSA+20, SBH21, SEG21a, SCB20, Scel22, SSPV20, SRD20, SWHJ22, SMR22, SH22, SADA+21, TH23, TYPX22, UBT22, WCC22, WLKR23, WZ21b, XS20, XLZ21, XZRW21, YXYL22, XM20, YLW21, YA21, YMY+21, YZK20, YNT20, ZEG20, ZS22a, ZXBS22, ZLG+23, ZMWS22, ZLW+22a, ZWLG23, ZYZ+23, ZYL+23, ZR20, ZSQ21, ZSY21, ZQS+21, ZQL+22, ZF20, ZKG+22, ZOE20, aKAK20, dSLdA+22].

two-component [ADJ23]. two-derivative [KBCH20, SMR22, ZS22a].

Two-dimensional [Hua21, YRC+21, Bre20, CLJ+20, DNM22, DY22a, FTZ22, FLS23, LL20, LWR20, LYS22b, LJZK21, LY20b, Liu21, MDG20, PB20a, PJA22, PMF20, PLV20, PRL22, QPW21, QSZB20, XM20, YMY+21, YNT20, ZSY21, ZQS+21, ZQL+22, aKAK20].

two-dimensions [Sel22, SSPV20, SH22].

two-domain [MP21].

two-fluid [CN21, NKA+20, SBH21, SCB20, YLW21].

two-grid [DJZ22].

two-layer [CKLZ23, DSBFN+20, Liu21].

two-level [LLCK20].

two-material [XYL22].

two-medium [CZL20, LSZ21, ZSQ21].

Two-phase [HJH+21, QERT20, vdEW23, AdDMT21, BL22a, BBV23, BDMP22, BSV22, BMQ20, BE20, BR22b, Cal21, CSCL20, CY22b, CK21, CLP22, CMRR21, DLY22, FQSW23, FZ23, Fu20, GDBFN+20, GQS20, GCL+22, HKS20, HCL22, HLA20b, HLA20c, IKP22, JMM20, Jai22a, JM22, JM23, JGR22, KLS+20, KWDS22, LHC22, LL21b, LOL20, LL20a, LYS22a, LLPL22, LRT+22b, LLCK20, MJL21, MA21, MCBA20, MIB20, MM21c, MM22, MKM23, MY+23, MD22, RSA+20, SRD20, SWHJ22, SADA+21, UBT22, WC22, WLKR23, XS20, XZRW21, YA21, XZBS22, ZLG+23, ZMWS22, ZWLG23, ZYZ+23, ZYL+23, ZR20, ZF20, ZKG+22, ZOE20, dSLdA+22].
two-scale [HdB21]. two-sided [ILNZ21]. two-species [RWDG22].
two-stage [BJ21, LC22, WZZ21b, ZLW+22a]. two-temperature [SEG21a].
two-way [CZ22b, CBB20, PE20, PA21]. type
[CWY21, sCpLL+22, CLS20b, CC22b, CNC21, ER22, GCLM22, HCDM23, Kar22, KLC+22, LL21b, L2S22a, L2S22b, L1TY23, LW20a, LLS20, Par22, QPW21, SDKL21, XZC21, YZK23, ZOWW20, ZY+23, ZQS20, ZS20, HKS20].
type-I [ER22]. types [FZ20a].
U [Abg20, Nis20c]. U-MUSCL [Nis20c]. ultimate [vLN21]. Ultra
[BBDT21, TCA21]. ultra-high [TCA21]. Ultra-Weak [BBDT21].
ultrashort [CMS+22a, NTSM20]. ultrasonic [SSS22]. ultrasound [SACT21].
ultraspherical [AS20, FHT21, KLG22]. un-split [MKB20].
unaware [QJQW22]. Unbiased [RBC+23]. unbounded [DGS20, GLLM22, Yan21].
uncertain [HJLZ23, KNP20, ND23, PP22, Po23]. uncertainties
[MPZ23, PZ20, WK21a, YL21a, ZP20]. Uncertainty
[GHH22, CD23, CSY20, FCWS22, HSW22, TT22b, WG20, WTX+21, Yan21c, ZY20b]. uncoupled [VSB+21]. under-resolved
[KSBG20, SFNMF+21, WGY20]. undercompressive [BSA21]. undergoing
[DAJ22]. underground [WCF22]. underlying [SAS+21]. understanding
[vLN21]. underwater [GZW20a, TWY+22b]. unfitted
[BMV22, KB22b, MZ22, TB21, TVL+22]. uniaxial [DG23, Nic22].
unidirectional [ZOG21a]. Unified
[LLZ+20a, LZW20, XCL+21, YK20a, ZZML20, BCP22, CLDC20, CN22, Den23, DBD21, FZLL20, FJ21, FHJ22, GPHAPR+22, JN20, KRL21, MS20a, MHW22, SSS20, SS22a, WLZP21, XLXC20, ZWL23, ZG20, ZZY21].
uniform [An21a, AWB+21, CSM20, CF20, HLM+20, MZC+22, dSLdA+22]. uniformly
[LGIV22, ZS21]. uniqueness [BJL21]. units [BEP+20].
universal [EK21, Mon21, PDPK20]. unknown
[CX21, CCWX22b, CMX23, HGSK22, Sha21, Tow20]. unloaded
[MNG+22]. unnormalized [LLLO21]. unrealizable [Nis20d]. unsaturated
[AHY+21, KLPR20]. unsplit [CS21c]. unsteady
[CRF+21, CS4P+22, EJ23, EFO19, EFO20, GTDB22, HGB20, JLL22, KJ22, MLCM21, MS20b, RLH22, SAL+20, SPZ22, ZWB21]. Unstructured
[MKB20, BGF20, BLM22, BCP22, CAF+22, CPR23, CZL20, CW22a, CZL22, CDX+21, CRF+21, CCB22, CA22b, DVS22, DBT+20, DSZ22, FL21, FBCD22, GCLM22, GK20, HM21b, HRWP22, HX23, Jai22c, JGM+22, JZSX20, JBF21, KIHB21, KB23, LSZY20, Liu21, LYS+22b, LWW23, LSY+23, LD22, LMN20, LLCK20, LHFH20, MYJ+23, Mar20, NM23, ND20,
PP22a, PP22b, PBGB21, RE20, SGB+21a, SEG21b, SEG22, TNF23, Tso23, WY22a, WY22b, WZL21, XJN+20, XDLX21, XHX22, XM20, YLNT20, ZOG22, ZB21a, ZJSX22. unsupervised
[CCLL20, CCN21, KL20, KLG+22, SACT21]. up-to [Li20]. updated
[BLM22, LNYD20]. Updating [SBVW20, DLZZ21, EKPS23]. Upper
[BEP+20]. upscaling [KLPR20, VLC+20]. uptake [KWS22]. upwind
[CKLZ23, CF21, CCH+23, CKN22b, DGW20, GKL21, KLZ20, KLX23, MD21].
upwinded [WCB20]. Use [GMR20, JD23, BT22, FTP23, SC22c]. used
[BFS23]. Using
[HMMO20, HRG20, XF21c, AAL+21, ASBM20, AHR20, AMW22, Alc23,
AD21, ALCZ20, AEGV22, AM22, AMB22b, Bal21, BBGT21, BSV22,
BG5+22b, BPJ22, BRS22, CSASS21, CDK+23, CF21, CCN21, CC22a, CZ22b,
CLXS23, CBA+20, CP20, DD22a, DEvW22, DSZ20, DHTM21, DHR20,
DPX23, DW21, EDR20, EFR21, FTP20, FZS+21, FAD20, FC21, FBG20,
FMB20, GLSZ22, GZW20a, GKA22, GCSH22, GMNY23, GFF20, GWZ22,
Hac21, HPW21a, HSK+21, HL20, HRMY20, HTL21, HCL22, HPS23, HX21,
HL20c, HLA20b, HXFD20, HSS21, HWDM22, HXQL23, HS+22, jii21,
IK23b, JADS21, JLC21, KTDG22, KP23, Kan20, KS22b, KTB20, KFSG21,
KKY22, KLN20, KL22, Kiv21, KNS21, KHS20, KKK+21, KDO20, KB22b,
LCG22b, LKEM21, LKY+22, LC20, LPP+20, LJ21, LZLZ21, LMZ23, LMZ21b,
MN22, MO22, MLB+21, MK22, MYR20, MZ+22, MM21c, MM22].
using [MKM23, MD20c, MN23, MS20b, NdILPL21, NMN23, NH20,
NKT21, OWHN22, ODM23, OLP23, OA21, OKTD21, PZ21, PJW21, PKG20,
PCB23, PJR23, PS22b, PT22, PKL+21, RG22, RMD20, RUG20, RS20b,
RHH22, RSWD21, RLH22, RHR20, RBB22, RAZA21, RBC+23, SWG21,
SPd20, SEG22, SFNMF+21, SOBP22, SBJ+23, SACT21, Ste22, SL22,
TBG20, TRC22, TSS+20, TPS20, Uii20, VLC+20, VGG23, VOL23, VM22,
WMS21, WK20, WZ20, WQZP20, WZ22, Wan23, WZ23, WWLZ21, XHLH21,
XHD21, Yan21b, YSTK20, YH22b, ZSP20, ZA21, ZHPZ21, ZLS22, ZYF+23,
ZAW+20, ZMG+22, ZM23, ZSKN22, vdEW23]. utilizing
[EMS+21, JYK22, YJK21, ZL21a]. UWC [SFNMF+21].

V [XCL+21]. vacancies [KAC22]. vacuum [HHVM20, YYM+22]. Vaes
[Abg20]. Validation [GMMS22, KLPR20, RB21]. validations
[SLOZ21b, SLOZ21a]. value [CL20c, GD20, MH22a, MBM+22, NNJ21,
Nor22a, RFZ22, RBPRST20, RN23, SY21, XM20, ZG21]. values [WZ23],
vanishing [GMV22, MAPS20]. Vanka [SMV22]. Vapor [YR22, MR22],
vaporization [DU20, LZZ21b]. var [PT23]. variable
[BJ21, CBY23, GGB20, GHP+23, GCL+22, HHRA19, HL20a, HWDM22,
JW20, JZ22, LRT13, LCSZ21, LWF23, LL21d, LRT+22b, LM21c, LP20b,
MRK+20a, PHP21, Pan20b, SLH+20, Sti20, YD20, YWCIL22, YX22,
YKFH23, dv23, AST21, OPHY23]. variable-density [LP20b]. Variable-free
[PRKS23]. variable-order [HHRA19, Pan20b]. variable-separation [BJ21],
variable-step [YWCIL22]. Variable/Lagrange [AST21]. variables
[CCN23, MM20, PCB22, Sel22, YTK22]. variably [QAS20]. variance
[KKK21, LT22a, LWZ22, SH23, Sha21]. variance-reduced [SH23]. variant
[BZC+22, CL20c]. variate [GGEJ20, TTY22]. variates [BLWL22].
Variation [CF21, BBDT22, GU20, tLjTkZ22, MSC+20]. Variational
[BBDT21, Bri22, Dvp21, KM22a, LLM20, MPSP22, NdLPL21, WLS22,
ADK+21, AAM20, CPT23, CMH20, DSG+22, FP23, GFPO22, ISM+23,
KV20, LLL22, LGL23, LW20a, MO22, MJJ21, RN23, TPSN20]. various
[FZ20a, KL20]. varying
[CL21, FCL21, GLM22, LSL20, PLM23, SWF21, XLLH21]. varying-mass
[CL21]. Vector
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Variation [CF21, BBCD22, GU20, tLjTkZ22, MSC+20]. Variational
[BBDT21, Bri22, Dvp21, KM22a, LLM20, MPSP22, NdLPL21, WLS22,
ADK+21, AAM20, CPT23, CMH20, DSG+22, FP23, GFPO22, ISM+23,
KV20, LLL22, LGL23, LW20a, MO22, MJJ21, RN23, TPSN20]. various
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vertically-[CCN23, MM20, PCB22, Sel22, YTK22]. variably [QAS20]. variance
[KKK21, LT22a, LWZ22, SH23, Sha21]. variance-reduced [SH23]. variant
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Variation [CF21, BBCD22, GU20, tLjTkZ22, MSC+20]. Variational
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KV20, LLL22, LGL23, LW20a, MO22, MJJ21, RN23, TPSN20]. various
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Variation [CF21, BBCD22, GU20, tLjTkZ22, MSC+20]. Variational
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KV20, LLL22, LGL23, LW20a, MO22, MJJ21, RN23, TPSN20]. various
[FZ20a, KL20]. varying
[CL21, FCL21, GLM22, LSL20, PLM23, SWF21, XLLH21]. varying-mass
[CL21]. Vector
[LL22, BW23, BTV22, PG22, TPSN20, TWZG22, WZ22]. vectorized
[LL22, BW23, BTV22, PG22, TPSN20, TWZG22, WZ22].
Variation [CF21, BBCD22, GU20, tLjTkZ22, MSC+20]. Variational
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KV20, LLL22, LGL23, LW20a, MO22, MJJ21, RN23, TPSN20]. various
[FZ20a, KL20]. varying
[CL21, FCL21, GLM22, LSL20, PLM23, SWF21, XLLH21]. varying-mass
[CL21]. Vector
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[LL22, BW23, BTV22, PG22, TPSN20, TWZG22, WZ22].
Variation [CF21, BBCD22, GU20, tLjTkZ22, MSC+20]. Variational
[BBDT21, Bri22, Dvp21, KM22a, LLM20, MPSP22, NdLPL21, WLS22,
ADK+21, AAM20, CPT23, CMH20, DSG+22, FP23, GFPO22, ISM+23,
KV20, LLL22, LGL23, LW20a, MO22, MJJ21, RN23, TPSN20]. various
[FZ20a, KL20]. varying
[CL21, FCL21, GLM22, LSL20, PLM23, SWF21, XLLH21]. varying-mass
[CL21]. Vector
[LL22, BW23, BTV22, PG22, TPSN20, TWZG22, WZ22]. vectorized
[LL22, BW23, BTV22, PG22, TPSN20, TWZG22, WZ22].
WNB21, YP22, ZYW21, ZCYS20, ZLZ22, WK21b]. viscous-plastic
[hsMLS23]. VISVE [WK21b]. Vlasov [ARGK22, ATCS20, BCF22, BFG23, CBQ21, CCY+20, CSA21, CH22, EOP20, EJ21, EH22a, GHS22, GQ22, KS21c, Li23, NGK+21, SMW21, SS22a, SMY22, WK23, YM21, YZW23].

VMS [PCB22]. VMS-based [PCB22]. VOF [ADJ23, CS21c, DEV22, GPMH20, KCX+21, LWZ+21, MMZ21, WYS20, ZNN22, ZOEL20, SLF23a].

VOF-IBM [LWZ+21]. void [WBN21]. Volterra [GW20]. Volume [BGN22, BLM22, CMPZ22, DJ20, FMB20, KIHB21, MS20a, MBK20, SYOS19, SYOS21, SLOZ21b, SLOZ21a, TNP21, YNT20, ASJ23, AZV23, AE20, ADM+21, Ba23, BHVJ22, BAK22, BG21, BFI22, BSA21, BDL+20, BDF+21, BL22b, BR22b, BSP21, Cam21, CNMB20, CZL20, CW22a, CZLC22, CLXS23, CSY23, CMC21, CA22b, DRR22, DVS22, DeEvW20, DGW20, FTF20, FQZ21, FGL+22, GWH20, GTDB22, GHY22b, GQS20, GFH22, GEvW22, GLK20, HZTN21, HBW21, HST22a, HRWP22, HX23, IM20, Jen20, KdMJ+22, KJdM+22, KF23, KB23, KCK21, KKS+21c, LW21, LFP+21, Lév22, LOL20, LLPL22, LSZY20, LZLS21, Liu21, LYS+22b, LSY+23, LFW23, LHFH20, MYJ+23, MT21, MD22, NCQ22, NW20, Nis20a, Nis22b, NVK+22, OGG20, PWXY22, PBGB21, PRL22, RV22, RRHH+21, RPD0+21, RW22, SMSAGG22, San20, Sar21a, SCB20, SWG+20, SGW+23].


NW22, SGB+21b, SGT23, WZ23, WCB20, YYX21, ZXX23, ZZ23b].
waterflooding [LO23]. wave
[ALM23, AD21, AP20, An21a, AMM20a, AHWZ20, BDT21, BBDT21,
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Dup21, DFW22, EGN23, FL21, FGD+21, GC20b, GAC20, HYQ20, HHS22,
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