A Complete Bibliography of Publications in

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Title word cross-reference

+ [MC07b]. 1 [BBDE05, BWLM09, DH07, Hor02, JBHK08, LC06a, LLIK01b, LW07, Mac07, RMF08, VBL07, vDZ06]. 1 + 1 [VWW04]. 1/n [Boy09]. 1/ν [SKK+08]. 1/r [HB05a]. 1000 [PWS+02]. 107 [MT03]. 13 [GE07]. 2

[AV05, AMXL09, BMN07, BCE+09, BRC+09, BBvdV06, Ber06b, BMQS02, CD03, CJS08, CGMS06, CgHST08, CBKM00a, CBKM00b, CK03, CL00b, DS06b, DH07, Eld07, ES06, EKP06, GS05a, GS06a, GH03, GHB03, GKL03, Gui03, GLLX08, HHL08, HH01, HS08c, JHSZ07, KB04, KPP09, LGP09, LDN04, LS00, LC03, MP07a, Meh04, MAL09, OJW06, PAD07, PCP08, PVPS09, Rom02, Rom07, RFV09, RW03, SROdPFF05, SA09, TS02, VGs04, VL07, VGB09, WM09, WFC09, WZ09, XM06, YM07, YJF+06, ZZ01, Zha02, ZK05, ZJW06, ZJWC08]. 2 + 1 [Wan04a]. 2 + [CTT08]. 25

[UL06]. 3 [AFGM07, Alb00, ASQR06, AMXL09, ALGM01, AQ00, BM02, BO05, BM06, BWLM09, BPO07, BPI06, BGS08, CD04, CWJ07, CP04, CGN+07, CB01, CLL+07b, CJ07, CL00b, CP04c, Dar02, DBF08, DGP00, DB04, EHST03, EKBL09, EAY01, GH03, GS07, GW02, GSB03, GS05c,
HAAO00, Her09, HSL08, JHSZ07, KKCF09, LS02b, LG05, LJ09a, LH08a, 
LF04, LL08b, LZH+06, MKM99, MKM04, MKLU05, MG07a, MSYL00, 
MP01b, NCW+09, ORCM08, ORM06, ON08, PSC04, PVPS09, QS07, 
RWWS07, RW08, RKE+07, RVVL09, SWG08, SMP01, SL07a, SPLM09, 
Stu01, SP00, TJS03, TPR05, VGBl09, WGS06, YBZ06, YJF+06, ZYKW01,
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[224x634] 06, MKM99, MKM04, MKLU05, MG07a, MSYL00, 
MP01b, NCW+09, ORCM08, ORM06, ON08, PSC04, PVPS09, QS07, 
RWWS07, RW08, RKE+07, RVVL09, SWG08, SMP01, SL07a, SPLM09, 
Stu01, SP00, TJS03, TPR05, VGBl09, WGS06, YBZ06, YJF+06, ZYKW01,
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MP01b, NCW+09, ORCM08, ORM06, ON08, PSC04, PVPS09, QS07, 
RWWS07, RW08, RKE+07, RVVL09, SWG08, SMP01, SL07a, SPLM09, 
Stu01, SP00, TJS03, TPR05, VGBl09, WGS06, YBZ06, YJF+06, ZYKW01,
[135x634] +
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MP01b, NCW+09, ORCM08, ORM06, ON08, PSC04, PVPS09, QS07, 
RWWS07, RW08, RKE+07, RVVL09, SWG08, SMP01, SL07a, SPLM09, 
Stu01, SP00, TJS03, TPR05, VGBl09, WGS06, YBZ06, YJF+06, ZYKW01,
[135x634] +
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RWWS07, RW08, RKE+07, RVVL09, SWG08, SMP01, SL07a, SPLM09, 
Stu01, SP00, TJS03, TPR05, VGBl09, WGS06, YBZ06, YJF+06, ZYKW01,
[135x634] +
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MP01b, NCW+09, ORCM08, ORM06, ON08, PSC04, PVPS09, QS07, 
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MP01b, NCW+09, ORCM08, ORM06, ON08, PSC04, PVPS09, QS07, 
RWWS07, RW08, RKE+07, RVVL09, SWG08, SMP01, SL07a, SPLM09, 
Stu01, SP00, TJS03, TPR05, VGBl09, WGS06, YBZ06, YJF+06, ZYKW01,
Abe [WLC\textsuperscript{+}08]. **absolute** [Sus06]. absorbers [OK07b]. **Absorbing** [ABK09, CL00b, HLL08, NB04, Rah04, Vay00, AMR06, AK06b, AC09, Bér07, BHNPR07, GT09c, HMOG08, HK04a, HZ08, Hu05, MTH08, XHW07].

**Absorption** [Vay02, CFGK05]. **Abstracts** [Ano00q, Ano00r, Ano00a, Ano00b, Ano00c, Ano00d, Ano00e, Ano00f, Ano00g, Ano00h, Ano01i, Ano01k, Ano01m, Ano01n, Ano01o, Ano01p, Ano01q, Ano01r, Ano02a, Ano02b, Ano02c, Ano02d, Ano02e, Ano02f, Ano02g, Ano02h, Ano02i, Ano02j, Ano02k, Ano02l, Ano02m, Ano02n, Ano02o, Ano02p, Ano02q, Ano02r].

**accelerate** [VTW\textsuperscript{+}07]. **Accelerated** [SH07b, BMN07, CL08d, CS08a, JH08, LC07, PVP09, San09, VS07, YWC07, ZD05]. **Accelerating** [BCK09, Bow01, HJM06, PS02, PFB01, Sa00].

**accelerator** [ASQR06]. **Accelerators** [QRHD00, ZW05]. **Accuracy** [BS00a, BL01, CP06a, GZ01, Gen01, GTD\textsuperscript{\pm}02, ISNY05, VCM00, WFTS05, CV06, FWP09, HDR\textsuperscript{\pm}06, MN09b, MYW07, PPB09, STR07b].

**Accuracy** [VS07]. **Achieving** [HAP05]. **ACM** [SZH07]. **Action** [SZ01, MGS09]. **Actions** [BLW01]. **Active** [HGM\textsuperscript{\pm}00, XCY06]. **actuated** [KB08]. **actuators** [LTL\textsuperscript{\pm}09]. **Adaptation** [DIV00, HLS02a, Hua01b, VD00, VD02, Yam01, AFGM07, BFC04a, BFC04b, DCF\textsuperscript{\pm}08, Dw08, FL03, HZ07a, HS03b, JHS07, Lap04, LC06a, VD03]. **adaptative** [BdCB09]. **Adapted** [PW07]. **Adaptive**
Aided [VP00]. Air [FCB02, SD00, SMO00, WB01, CSC+08, CN08, NJLA06, SDCC05]. Air-Quality [SMO00]. Airflow [ZK04]. Airway [ZK04, SMO00, SDCC05].

Alamos [Har04]. ALE [AK06a, CYS06, CHCOB09, EGP09, FGG01, GGF03, JC02, LBL04, MY06a, MSB07b, NJX09, TT06c, VGS04]. ALE-type [NJX09]. AlGaNd [GS05a]. AlGaNd/GaN [GS05a]. Algebraic [GSV06, HH02b, HMMO05, AHPT07, HM07, LSS*09, Ral04, VSG05]. algebraically [Boy09]. algebraically-converging [Boy09]. Algorithm [AGT02, AGT05, AS01, BFG07, BM01a, BLW01, BD01, BZB00, BK01, CS01a, CRB00, CBKM00a, CBKM00b, CYKC01, CL00b, CBL01, DKX00, DKX01, Deh01, DB00, FG00, FV01, GT00, GK02, HCO01, HLKS00, JPCM01, Lar09, LB02, LT02, MK02a, MD01, Mu02, Noc00, PR00, PW00, PM00, PA00, SR00a, Shy01, SMO00, TSB01, TK02, VG01, VCP00, ZD00, ZD08, Abr07, Abr09, AA06, AL06, AMS04, BHL07, BMN07, BIVC07, BB09b, BOK+06, BP07, CXB08, CG05, CRAG07, CPKW09, CW08, CK08, CZ09, CLS09a, CJK+03, CK07, Den07, Dim07, DS06a, DDS09, DT04, DL04, EKP06, EKP07, FT06, FD09b, FBH05, FCD+06, GTRB09, GG04, GH08a, Gib04, GvH06, GS03, GKD09, GG09b, GV06, GCC09, HS07a, HNF07, HM05, HC05, KD09, KKS05, KZ09].

algorithm [KG05, KF06, KAA*07, KW03, KT07, LLY05, Lan06, LPK05, LCC06, LJS08, LZ04, LAKD05, LJ09a, LOK05, LLGL07, LP09, MZ09, MP03, MM03, MCGV04, MC03, Moc03, MDS03, MK07, NOG08b, NVD05, NVD07, NMG09, Nic09, NCW+09, NFA03, OLLI03, OMK09, PMP08, Pro03, PRL03, RVDM09, RJ06, RBL04, RSTB03, SDGX07, SLF08, SLG+03, SL07b, SA06, SMP09, SS06b, Shy04, SC09a, St05, SK04b, SRX07, TSB03, TC09b, VPM04, VS09, VSV03, VBL07, Wai03, WGS06, WB09a, WC07, XDB09, XCR08, YM06, YBS06, YB04, Yin06, Yl07, ZH04, ZS08, ZD05, ZSD06, vdV08].

Algorithmic [DTS05a]. Algorithms [BSJ01, BT02, Boy02a, DDF01, FK06, GTD01, KKP02, KF07, KYK07, Len00, ML05, MCM01, MCM02, OV00, PM02, RS02, RV01, SSW01, SK06, Avd04, ASP03, AST09, BCK09, BDGL05, Boy04, BUEG06, CHL06a, CFS09, CB03, CC03, DVH05, DHM03, DEHL06, ELVE07, Fas03, FD03, HJFW04, KK03b, KKS07, Kuz09, LM+08, LK09, LSW06, LCC05, MO04, MC07a, Nt05, PP04, PR07, Ram03, RVM07, RA09, SBS07, SBB09, SCC09, Sto07, Tyg08, Wag05, FS07a].

Alias [Pop00]. aliasing [DG08, KKS05, SVB09]. Aligned [KKR01b, GYKL05, NLE06]. Aligning [HLKS00]. alignment [BGM08].

all-electron [HBHS09]. all-scale [PS03b]. All-Speed [sLwG08, BN09].

Alleviation [Lee09]. Alloy [ZB01, GJK09, LW06, RE07, T07c, ZVHP03]. alloys [JJGL06, KG05, TZ07a]. allspeed [GBC06]. Almost [Tan05a].

along [JJGL06, JJGL07]. alpha [LNXNTX09]. Alternative [KG08, XY06, PB06, Pr08]. aluminum [MV06]. Ampère [HF01]. amplification [BCG09]. Amplified [Li01]. Amplitude [VCP00, CF06a, CSH05, KTD03, MV08, PPCW06, TMND07]. AMR
analyses [SCT09, YKK08]. **Analysis**

[AA02, BZ04, Bod06, BC02b, BE02, CFS09, CGP02, DMG00, DE06, DCV+01, ELW01, FLG01, GGL+01, HA02, JM00, KMR00, LMK03, LS02b, Mac00, MG02, PD01, PM07, Pou09, Sai02, SHWW00, SGD03, SCD00, Spo00, UH01, VCP00, We01b, WK01b, Wuo06, YXU01, YMWM06, YS07c, AA09, AJT04, AL06, AZ05, Ba08, BDD04, BV05, BDGL05, BCR04, BS09a, BCM+07, BDCG03, BHP07, CLB08, CLE09, CRAG07, CD09, CN05, CGH05, CJ04, CF09, DVM05, DL04, DWLM09, DMG04, FWK08, GB08a, GG03, GD03, Ham07, HNG04, HT03, IM05, IA06a, JKL06, KL05b, KRT+09, KLM07, KKS07, Kry04, LTH04, LGK04, LP04a, LwG08, LY04, Lj07, LRS09, LMK09, MK08a, NU09, OK07a, PKKL05, PS07a, Pi07, PA07a, PBH04, RV07, RM07, SBA07, SDCC05, SDS07, SVB09, SRV07, SL07]. **analysis** [SM06b, TX06, VCT07, VG0709, VB08a, VK04, WGT06, X07, ZGS06, dHRv07, dNWv07, dTWD09]. **Analytic** [AI09, YJ06, YMF01, BB08a]. **Analytical** [BEE06, LH08a, NFvS+06, R07, S00, Chu09, JR03, LHD05, LT09a, NDG05, SB06a]. 

**anchored** [NT07]. **anelastic** [BM06, CPG04, GBC06, PS03b]. **aneurysms** [YXL05]. **Angle** [FSY00, LWDA09]. **angles** [AZB09]. **Angular** [Car01].

**animal** [HWS07]. **Anisotropic** [BFC04a, FL03, HLS02a, JW02, LMSV00, QS01, VD03, BHR03, BFS03, BFC04b, Bur05, BHSV07, CP05, Chr04, DT03, Hu05, JC06a, KE09, KSS09, La07, LLY05, MP07a, MD06, MS07b, RB03, SK08, SH07c, WC07, WK07]. **Anisotropy** [EV03]. **Annealing** [FH02, PA00, Pav07]. **Announcement** [Bra01, Ano05s]. **Anomalies** [KS02a]. **antenna** [LV05]. **Antennas** [VR02]. **Anti** [XS05c].

**Anti-diffusive** [XS05c]. **Antiplane** [LAS01]. **apparatus** [JR03]. **Appear** [An00q, An00r, An00a, An00b, An00c, An00d, An00e, An00f, An00g, An00h, An00i, An00j, An00k, An00l, An00m, An00n, An00o, An00p, An00q, An00r, An00s, An00t, An00u, An00v, An00w, An00x, An00y, An00z, An01a, An01b, An01c, An01d, An01e, An01f, An01g].

**applicability** [LTZ03]. **Application** [AFGM07, AKH06, ADK00, ADK02, BS01, BF07, CWT00, CA06, Che00a, Chr03, DLS+00, Fm06, GV08, GSD01, GPH+01, HCG01, IY+02, JC02, KCGH07, LX00, LS05a, MPP01, ML06a, MZ07, MSP+06, ML06b, NCW+09, NGC+07, PSC+06, PWS+02, QL01, RAD07, RH02, RFP09, Set01, SHWC07, SSC00, UBRT07, VOD08, VVS08, Vay01, VDO0, VD02, Xa01a, XH07, ZWS07, ZLAC05, ZRR00, AC09, AD04, BBD04, BZ08, BB07b, Boy03, BRB03, CLS+06, CP03a, CMS09, DDK06, DHM03, DB06, Dw08, DBS06, FDD09a, GL0H09, GS03b, Hua07, KP07, KP08, LHZW05, LL07, LMZ+08, ML05, MY03, Ml04, MG07c, NS05, PFDM08, PSC04, QS04, SR09a, SSE03, SW04b, SZA09, SL07, SNL03, Sme06, SRX07, Tsy04, VBL07, VBO8, VD03, Wea09, WJ07, WH05, XSG08, YZL09, YXL05, YE05, dSHHM05].

**Application** [VB08b]. **Applications** [BS04d, BK01, Che00b, DC01,
DR09a, LTK^+02, LWW04, BS05, CP06b, CP06c, DIL03, DDFT09, FVE04, FD03, FWK08, GF05a, Hoh06, Jar04, KK03b, KK04, Lee03, LG05, LXM09, LSW06, MESV09, MG07b, ON08, PR04a, RBSL06, SS08, SK08b, SK06, WSYS09, WS09, YLD09, ZZQ08, vdHK07, DTS05b]. Applied [BS00e, DCS00, DSS00, EAY01, PG02b, RH01b, VR02, VSMW01, BB04a, BRC^+09, CHG^+07, CMR08, DB04, FS04, HS09a, Jar04, KKO04, LC03, Mac07, MWM03, Mad06, MM03, Ram06, RVVL09, SB06b, SDD07, YSS05, ZZVM08, vDZ06]. applying [AZB09]. Approach [AS02, BL01, Bor00, BCM001, CBMO02, DSS00, DI02, FH00b, FCB02, GPH^+01, LS02a, LP02, PSN00, SSC00, SSD00, AA07, AA09, AK07, AG09, AHS03, AS04a, AGW07, Ba03, BL09b, BF08, BB09a, BL09c, BCM^+07, BEA09, BHSV07, BB09c, CORT09, CG06, CM06, CC07, CL07a, CL08b, CSMH05, CQ05, CRO09, CVE06, DSJ03, DP09, DLW04, DTS07b, FH07, FLB03, FH09b, GJK09, HZ07a, HAS05, HA09, IQ08, Jia07, JZ08, JG09, JCT07, Kas07, KR09b, Lap03, LTZ03, LL04b, LDW07, LL06a, MR06a, MGCR07, Mel04, MWG^+06, MV06, NJLA06, NM06, Nat06, NVD07, Nis07, OF06, OVG07, Pa08, PP08, PGB05, PSD09, P09, Pe03, PS^+06, PCS^+09, PA05, RR07, RSS09, RF06, Ryc05, SB06a, Spe05, SG03b, SBO4, TC07a, T07c, Tan08, TGB^+07, TdAAP08, UYK^+04]. approach [VC03, VZSL07, WD07, XSG08, XSL09, YAvdB^+08, ZG08, ZL04, Zhe07]. Approaches [KLvBvL02, KMSH08, KK04, LTD^+06, MLSD07, dWKL07]. approximants [CDI09]. Approximate [LP01, SWT01, SL03, BDT09, Gui05, GF05b, HBLD07, MK05, RBT03, YLD09]. approximating [Boy06, Her09, Tow09b, WZ03]. Approximation [BISS01, FSY00, Her00, LLTA07, SAKS01, ACR08, BGN08, BBW06, BLL03, BS06a, CC03, CWYM08, CHCO09, CF04, DP08, Di09, FDK06, FLYL07, GH03, GM04, G06, GV06, HLO08, Kas07, KKL07, Ng07, PAD07, PP09, ST06, SK05, Snc06, SKW05, TMS06, Ts06, VGCN05, WZ07, WO05, WO09, YS06, dFS09]. Approximations [BJM02, BSJ01, Dur00, LTK^+02, MG02, RV00, SFY01, Boy05b, CH06, DC07, Gro06, Gro07, KCM03, LBC04, LX07a, Lur07, MN04, MN17, RB06, RM07, SVH^+06, Sou09, SN06, Tol07, Tol08, TE04, Tow08, TFMD04, XDC09, ZC09]. aquatic [HSW07]. aquifers [WGNT06]. Arakawa [DF07]. arbitrarily [BBD06, EG08, KC06, LL07, TRSK09]. Arbitrary [AMH04, DK07, Gee00, GB00, HPZ01, HJM07, KMS02, LY04, AEP04, BAYZ08, BR09b, BTW03, CDDL09, Ccc05, CQ06, GT09b, Ge06, GF05a, HLO08, KZMW09, KK05a, KZ06, LS04, LY07a, LHZ05, LKM05, LS05b, LBL08, Min03, NMH^+07, Nik06, NPP06, PS07a, RW07, SM09a, SB09, Tol07, Tol08, XDC09, YC05, YFB07]. arbitrary-Lagrangian [L05b]. arbitrary-order [Tol07, Tol08]. Arbitrary-pressure [AMH04]. arc [PL09a]. arc-like [PL09a]. Architectures [BLW01]. Arctic [MR01]. area [AMSZ03, AMS04, JCT07, ZL08a]. area-preserving [AMSZ03, AMS04]. areas [GCP07]. arguments [De 04]. arising [BST03, BO04, CFS09, HJ09, TDV06]. Arnol'd [SP07]. array [CW07].
arrays \cite{LVL05, LJ07}. **art** \cite{VTM+08}. **arterial** \cite{XS07}. **artery** \cite{YXLF05}.

**article** \cite{LM03a, MCP03, TR07}. **Artificial** \cite{CS01a, FT01, HDC02, Kel05, PFS07, RTT01, SD05a, SD05b, STI07, Tsy03, Xu01c, BCDR06, BL09c, CL06a, EZ08a, FL07, KL08, KR09b, MLM09, Owe04, RBT03, zSW06, zS06}.

**artificially** \cite{ST03a}. **Aspect** \cite{AJG01, Car01, BNP04}. **Aspect-Ratio** \cite{Car01}.

**assembly** \cite{JRS05, Moo03}. **Assessment** \cite{Mav02, Ano08-50, Lar09, Maz06, MGS07, SM09b}.

**Assisted** \cite{BMS00, SKXK05}. **Associated** \cite{SS01a, FL06, GD06a}.

**assumption** \cite{CGP05}. **astrophysical** \cite{BvdHKG07, KSW07, RFFP06}.

**Asymmetric** \cite{Vay02}. **asymmetrical** \cite{FG05}.

**Asymptotic** \cite{BD06, CL08b, CG03, DDSV09, DL04, GKO1, JKL05, MC09, BLW04, BNNP06, CDV07, KYLB07, sLS08, ML08}.

**asymptotic-preserving** \cite{ML08}. **asymptotically** \cite{JAK05}. **asymptotics** \cite{BL09, asynchronous}.

**atmosphere** \cite{LHR+07, SW08c}.

**Atmospheres** \cite{DKSW01}.

**Atmospheric** \cite{Bon00, GR08, RWMK03, SZ08, SMT+08, SK08b, TW05, TR07}.

**Atomic** \cite{AC01, LD09b, SG03b, BB06}.

**Atomic-Continuum** \cite{EH02, KZ06, LCNR07, MLD06, Ren07, WL03, WWK05}.

**atomistic** \cite{EH02, KZ06, Ren07, WWK05}.

**atomistic-mesoscopic-continuum** \cite{FK09a}.

**atomization** \cite{DMP08}.

**Atoms** \cite{VDM+02}.

**attachment** \cite{BHL+04, Lap03}.

**attachment-detachment** \cite{BHL+04}.

**attitude** \cite{San03}.

**Attraction** \cite{Sa00}.

**Augmented** \cite{Geo08, HB02, IQ08, ILL09}.

**AUSM** \cite{CL08b, CL07a, Lio06}.

**AUSMPW** \cite{KKR01a}.

**Author** \cite{Ano00s, Ano00t, Ano00u, Ano00v, Ano00w, Ano00x, Ano00y, Ano00z, Ano01s, Ano01t, Ano01u, Ano01v, Ano01w, Ano01x, Ano01y, Ano01z, Ano01-27, Ano01-28, Ano02s, Ano02t, Ano02u, Ano02v, Ano02w, Ano02x, Ano02y, Ano02z, Ano02-27, Ano02-28, Ano03-27, Ano03-28, Ano03-29, Ano03-30, Ano03-31, Ano03-32, Ano03-33, Ano03-34, Ano03-35, Ano04-28, Ano04-29, Ano04-30, Ano04-31, Ano04-32, Ano04-33, Ano04-34, Ano04-35, Ano04-36, Ano05-29, Ano05-30, Ano05-31, Ano05-32, Ano05-33, Ano05-34, Ano05-35, Ano05-36, Ano05-37, Ano06-28, Ano06-29, Ano06-30, Ano06-31, Ano06-32, Ano06-33, Ano06-34, Ano06-35, Ano06-36, Ano07-27, Ano07-28, Ano07-29}.

**Authors** \cite{Ano03q, Ano03s, Ano03t, Ano03u, Ano03v, Ano03w, Ano03x, Ano04q, Ano04s, Ano04u, Ano04v, Ano05w, Ano05x, Ano05y, Ano05z, Ano05-27, Ano05-28, Ano06t, Ano06u, Ano06v, Ano06w, Ano06x, Ano06y, Ano06z, Ano06-27, Ano07z, Ano04t, Ano04w, Ano04x, Ano04y, Ano05t, Ano05u, Ano05v}.

**Auto** \cite{VG01}.

**Auto-ignition** \cite{VG01}.

**automated** \cite{KAS08}.

**Automatic** \cite{CSV00, GT05}.

**Automatically** \cite{HvHHS05}.

**Automaton** \cite{LMSV00, LGN05}.

**autonomous** \cite{BM01c}.

**Autophobic** \cite{HLZ02}.

**auxiliary** \cite{Bae03, KKM08, MK06}.

**Avalanches**
Averaging [LR01a, PS07c]. avoid [ZSW07]. avoiding [CSO09, KSGF09]. avoid [ZSW07]. averag [ML06a]. Axis [CL02]. Axisymmetric [BBG+02, Car02, CS00, GP00a, LG03a, Lem00, Mie00, Nie01, RH01b, SP00, TCM+00, AK09, ACLS03, BZ08, FJ09, FBHV05, GV07, GLLN09, Kel05, LN09, OCFF08, PSCQ03, SLF08, VGBZ09, ZK06].

B [CP04a, KMJ01, WdNd06]. B- [WdNd06]. B-spline [DD03a, KMJ01, DD03b]. B-splines [CP04a]. B. [Aza09]. Back [DL03b]. background [LGP07]. Backscattering [FT01, GS09a, HS07b]. Backtracking [TWS02]. backward [RFVP09]. backward-facing [RFVP09]. Baer [AW04]. bag [BB09a]. Bake [Li01]. Balance [FR02, CT08a, CPKW09, DET08, EHD08, LTD+06, MKW04, VCZS04]. Balanced [CZVS04, LR01b, Xu02b, AB05b, BES07, BKLL04, CVB06, FCD+06, GPC07, Her08, KCM03, LMNK07, Mou04, NPP06, NX07, RF06, WSYS09, XS06]. balanced-force [FCD+06]. Balancing [DPR00, HGN00, MG05a, RBT03]. ballistic [BMN07]. Ballooning [CGC+09, SHWW00]. bamboo [AINR03]. bamboo-type [AINR03]. Band [CD00, DGP00, DBB06, Dur08, KG05, LW09, SP05c, VTW+07, WHLL03]. Bands [DFT01, BZ04]. bandwidth [MTWW06]. bandwidth-optimized [MTWW06]. bare [AINR03]. baroclinic [AL08]. barotropic [LHR+07, Shy04, vBC03]. barriers [LN07]. Based [AV02, BSJ01, BW02, BMRS01, BM01b, BT02, GTD+02, HSM08b, HK02, IFZ01, Jan00, JL02, KMS02, LC01, LTZ01, LLdP+00, MD01, MKR00, MOS+00, Nee00, OBO2, OCK+02, PX02, PR01b, PM00, QV01, RS02, Rom02, SS02, SC01, Sum00, TK00, Tol02a, Tol02b, WW00, WS01, ZT02, Abd04, AGCV07, AHPT07, AL06, BNV08, BAMQ07, BB08, BG08+08, BdB09, BG05a, CX08, CKvT07, CR05, CR07, CdHST08, CS05, CP06b, CP06c, CCL+07b, CBH03, CRB+08, CQRW05, CMQ07, CLS09b, De 04, DCF+08, DF08, DL0+06, DLD08, DS05b, DDS09, E08a, ES03b, FSS03, Fox08, Fox09, FMR09, GGM+09, GCN07, GKD09, GW05, Gir06, GG09b, Gra06a, GS09c, HMM08, HW08, HMS08a, HV03, HBO07, HLL08, IKS+09, JD09, JRS05, JC06a, JL04b, KOQ08, KZ08, KG05, KFV+05, KS03, KNY05]. based [KL06, KS08b, KP08, KT04, KT07, Lap04, Lap03, LSA06, LWG03, LJS08, LB03a, LZ09b, L09a, LTZ03, LX09, LQX06, LW07, LW09, LGF04, LBQ07, LBL08, MLS07, mL07a, Ml06, Mi06, M07b, MDS03, MK03, MHD07, MO06, Neo07, NJX08a, NCS03, NFA03, NTF06, OCFF08, ODCK07, PDHF07, PNMK09, Pop03, PL08, Pre08, Q08, Q04, QKS06, RWMK03, RKE+07, RK07, Ros03, SBA07, SC08a, SKW03, Ser09, SPM03, SD05a, SD05b, SO08, SAM05, Shy06, SFP07, SS05b, SHP09, SZ07, TBT+09, Ten03, Tol07, Tol08, TU04, TCO+04, Tsy04, TY07, Tuc03, VTC+07, WW04, WM09, WST09, WFC09, WS09, XCY06, XSL09, YF09, YS06, ZR08, ZSC08, ZSP08, ZHS09, dSM05]. Bases [ABGV02, ZSC07].
[BP04a, BP04b, HEN09]. **blunt-body** [HEN09]. **board**

[Ano03l, Ano04a, Ano04b, Ano04c, Ano04d, Ano04f, Ano04g, Ano04h, Ano04i, Ano04j, Ano04k, Ano04m, Ano04n, Ano04p, Ano05a, Ano05b, Ano05c, Ano05d, Ano05e, Ano05f, Ano05g, Ano05h, Ano05i, Ano05j, Ano05k, Ano05m, Ano05n, Ano05o, Ano05p, Ano05q, Ano05r, Ano05s, Ano05t, Ano05u, Ano05v, Ano05w, Ano05x, Ano05y, Ano05z, Ano06a, Ano06b, Ano06c, Ano06d, Ano06e, Ano06f, Ano06g, Ano06h, Ano06i, Ano06j, Ano06k, Ano06l, Ano06m, Ano06n, Ano06o, Ano06p, Ano06q, Ano06r, Ano06s, Ano06t, Ano06u, Ano06v, Ano06w, Ano06x, Ano06y, Ano06z, Ano07a, Ano07b, Ano07c, Ano07d, Ano07e, Ano07f, Ano07g, Ano07h, Ano07i, Ano07j, Ano07k, Ano07l, Ano07m, Ano07n, Ano07o, Ano07p, Ano07q, Ano07r, Ano07s, Ano07t, Ano07u, Ano07v, Ano07w, Ano07x, Ano07y, Ano07z, Ano08a, Ano08b, Ano08c, Ano08d, Ano08e, Ano08f, Ano08g, Ano08h, Ano08i, Ano08j, Ano08k, Ano08l, Ano08m, Ano08n, Ano08o, Ano08p, Ano08q, Ano08r, Ano08s, Ano08t, Ano09a, Ano09b, Ano09c, Ano09d, Ano09e, Ano09f, Ano09g, Ano09h, Ano09i, Ano09j, Ano09k, Ano09l, Ano09m, Ano09n, Ano09o, Ano09p, Ano09q, Ano09r, Ano09s, Ano09t, Ano09u, Ano09v, Ano09w, Ano09x, Ano09y, Ano09z].

**Body**

[GPH01, LAS01, PW00b, PW01, Alb09, BGS08, BP08, CYS06, CC08b, EG08, FWW04, GS05c, HB05b, KT06, KRT+09, TZL05, YS09].

**Bodies**

[BADG00, Bus00, JML+01, Mai01, PWS+02, WPM+02b, Alb08, BCDW06, BDS07, BP04a, BP04b, DHM03, Eld07, Eld08a, Fas03, HEN09, JD04, KIH09, KC06, Mai03, Mai04, MG05a, MZ07, MC07b, PGB05, PRL03, San03, SG03b, TWYC06, VI08, YS09, Yu05b].

**Boltzmann** [CGMS06, AL08, ABZ+08, BKS07, BLY08, BTC05, BLM08, BDL01, CGMS03, CA06, CDL04, Del03b, DCK08, Dys01, FM04, FR03, FSV+01, FH07, GS06a, GS03b, Gua00, Hag07, HDC02, HHL00, HKG08, HNG04, HHC08, HH07c, ISNY05, IY+02, IOTK04, IF09, JP00, JKL05, KY08, KPB08, Kwo08, LL03a, LL07, LL01a, LL03b, LL05, LLC06, LLQ+02, MP01a, MP02, MRS09, MEG02, MSYL00, MHS02, Mie00, MR07c, MAL09, NCS03, PR00, PL09b, PSCQ03, PSC04, PSC+06, PA07b, PP09, RMS09, SCT09, SB09, SPT05, SY08, SLC07, SS03b, SS05c, So09, Su00, TB+09, VLB09, WWC07, WS09, XF03, YZ07, YGL05, YF09, ZK05, ZS07, ZXQX08, ZS06, ZTPM05, vdSE00].

**Boltzmann-like** [MEG02]. **Born** [CBX08].

**Bose** [BT03, BJM03, BW06, BCL06, BS08a, CKLS05, CLS05, VCTS02].

**Bose-Condensate** [VCTS02]. **Boson** [BTFY01]. **Boson-Fermion** [BTFY01].

[SHP07]. **bottom** [BTT08, FG07, VTT08].

[Ma01, CKLS05, GG09b, KSW03, Mai03, Mai04]. **Boundaries** [CPP02, HLKS00, UMRK01, BTC05, BF08, BJ09, CBI+04, GS07, GS03b, KAK03, LL03a, LKP06, MTH08, MII08, MDB+08, PC08, SS07c, TLK09, VIK3, WS04, XW06, YB06].

[AC00, ACY00, AD03, AGH02, Bra08, CM00, Cor00, DMG00, DC01, DKS01, DKK01, EL02, FV0Y00, FT01, FSY00, GZ01, G01, GHG01, Giv01, GVT01, Gro00, HLS01, HGC01, JSC08, JC06a, JL02, KG09, KAIN01, KKK01, LPP0, LOK01, LFK00, MCJ01, MSYL00, NFK01, NMS07, Nys02, OKL01, OB02, PPC00, Pet01, RC00, RCT01, SFY01, SW00, SS05c, ...]
boundary

boundary-lattice

boundary-layer

boundary-layer-resolving

boundary-value

bounded-obstacle

boundedness

boundaries

bounds

Boussinesq

Box

BPM

Branch

breakdown

breakup

brick

bridging

briefly

Brinkman

Bubble

Bubble-stabilized

Bubbles

buffers

Bulk

Buoyancy

buoyancy-dominated

Burn
C [Thu08a, TRSK09, WDND06]. C-grid [Thu08a]. C-grids [TRSK09, WDND06]. CAA [DTMS06, RBSL06]. CABARET [KG09].
cables [GPL05]. Cage [vHBB02]. Cahn [CR07, CFPO8, pHl09, KW06, KKL04, WKG06, WKL07, XxS07]. Calcium
[SSC00]. Calculating [BS00e, DST07a, MBM01, MN02, PSZ09, TRL01, LWW04, MS04, RMB07].
Calculation [CTS07, CSV00, Del02, Fed02, HO03, RS02, YSO07, BCDW06, BST03, BS09b, CSH00,
ELD08b, Fou06, HBHS09, KKD08, Lz07, LL06, LP06a, NG06a, OLLL03, SCT06, SAM05, SMA08, VTW07, ZSTC06].
Calculations [AC01, CY00, CWWZ00, DGP00, FJ09, HS00, HJ02, KH01, Lou00, Mit00,
TR02a, UH01, YM01, AT05b, Bchl07, CL06a, DT04, DL03a, DBB06, FHW07, Ho04, HRV08, KKF09,
Küm04b, LCG07, LC03, LCM07, LLR09, PSH08, SF03, Shp07, SP05c, Tol07, Tol08, VTM08, YMW06].
Calculus [BS01, OVG07, PS07a, PS07b, PC09]. calculus-finite [OVG07].
Calibrated [CBS05]. calibration [BV05]. call [An05].
Camassa [COR08]. Cancellation [Lee07b, Lee09]. Canonical [LOK01]. canopy [Dic08].
capacitance [MS04]. capillarity [TW07]. capillarity-dominant [TW07].
Capillary [Mad05, NS04, PS05]. capsule [LS08]. capsules [SRL08].
capture [AZ02]. Captured [YC02]. Capturing [AS02, BJ02, BS00c, EFFM02, LFK00, MC02, NFK01, RMO00, SM05,
STI02, TNGH02, Tóó0, BAR08, BdcB09, BW07, CB09, DLD06, Edw06, FSS03, HJJ09, KL08, KH08, KM07a, Pir06, SYC09, SAM05, TDW08, TY07,
UTBV03, Upr04b, Wen06, XD07, YJL06, dSMN04].
Carbuncle [PD01, DGM04, NK08]. carbuncle-free [NK08]. Cardiac [Ota00].
Carlo [ABRR09b, LM03a, MCP03, ABR09a, AMH04, BBHM09, BS07, BMDS05, Bsp06, BUEG06, BB09b, CLL07a, CG03, CGMS06, CTV08, CV06,
CF06b, CS03, CS04, Dem04, DL03a, DL04, DUEB07, DDCD07, ELM03, ED07, FG04, FG05, FT09, Gen01, GL09a,
GM06, HH07c, HGM01, IH04, KB00, KVM03, KAS08, KLW09, LSL08, LMO8b, LM1, LD09b, MMK08,
MU09, MB03, NU09, OK07b, Pa08, Pe07, PK00, PVR07, PVPS09, QL01, RRV01, RS06b, S06, Sch08, S08, Sh07, SHE07, SA06, SMSS07, UH01, VK04,
VK05b, Vol04a, WBM09, WGS08, WM07, ZSB04]. carrying [CD05].
Cartesian [AMSZ07, CL00a, Cal02, CRB00, CBG09, Che04, CMG09, CYS06, CGK06, DHH01, GSB03, GSO05c, HLS02a, JMK01, KKF09,
KAK03, KKL04, LPU05, LjK09, LMK05, LLB05, LBL06a, MKL05, MJ01, MG07d, NAO8, OKO6a, OSK09, RCB05, RW03, SROCPFF05, SBC06,
SH07b, SS07b, SPGR06, TU04, UMRK01, VSO7, XLM07, XL05, YU05a, YXLF05, ZT07b, dHRVd07, ddHK07].
Cartesian/immersed [GSO05c].
cascades [Ram06]. Case [FP02, HH01, PWW00, Spo00, BMN05, CD03, CC07, CY05, DBF08, Dur08,
GA09, KTD03, LRS07, QSO4, QLK07, SD06, VVM05, VP09b, ZQ09]. Cases [LMS02, FGS09, GR08].
CASP [MPD03]. casting [GS03]. castings [BEA09]. category [Cap05, Cap06]. cathode [SXMG09].
Cauchy
[CFS09, SY09b]. Caustics [BS00c]. Cavitating
[SS02, LKK04, SPB09, SMS08]. Cavitating [SG03a]. Cavitating
[Hua07, WWC07]. Cavities [CL00b, AKL+08, LK0D4, SS07a]. Cavity
[AQ0V02, AP0Q02, AK05, DR09a, GGP06, Men04, PSC04, W006]. CBFEM
[OMK09]. CCD [SVB09]. Cell [Azn02, Bow01, CP04c, CB02, JCC02, JM00,
Lapo2, LLD+09, M0D2, MC00a, Par02, PH09, QHRD00, SMP01, Sni01,
SPC01, VC00, BAMD07, BMT09, BF08, BM07, CDDL09, CKPW07, CP07,
CWD08, CCF+05, FHD+09, FD07, FG06, GS09b, GF05b, HDR+06, IHTV07,
JH06, JD09, KW08b, LWDA09, LLLD07, LL06b, Ma09b, Ma09a, MN09a,
MCG08, MSB07b, NGC+07, OK06b, PPCW06, QFR04, R05, R09b,
SS09b, SK07b, SxyWX09, TF03, WGR07, Ye07, ZSW07]. Cell-
[SP01]. Cell-Centered [MC00a, BMT09, BM07, CDDL09, CCF+05, GF05b,
Ma09b, Ma09a, MN09a, MCG08]. Cell-Centred [JM00]. cells
[CDDH07, DRPN06, LTD07, Li08a, Liu05, V06, RCB05, XLS09a]. Cellular
[LGN05, Nov04]. Center [Sa00, Sa02, HP04b]. Center-difference-WENO
[HP04b]. Centered [MC00a, SMP01, BMT09, BM07, CDDL09, CCF+05,
GF05b, Ma09b, Ma09a, MN09a, MCG08, MCGV04, PC04]. Central
[AT05a, D0RP01, KT00a, KT00b, Lu05, QS02, TA06, BTPW04, BS08a,
BL03, CV06, Cap08a, CP08, CVZS04, GS03c, JR09, KK05b, KP09,
LSB04, Li08a, MG07, SG03, Zie04]. central-constrained [Zie04].
central-upwind [BL03]. centre [Mot08]. Centred [JM00]. centres
[SPLM09]. Cerebral [YXL05]. Cerenkov [GLC04]. CFD
[AF07, DTMS06, KP08, LXM09, ZWL02]. CFD-based [KP08].
CFD/CAA [DTMS06]. CG [YAvdB+08]. chain [GL09a]. chains [CVE06].
Chang [De03a]. Change
[JLC01, MR00, WW00, WHV+00, YSC01, BFC04b, EKP07, GCBN07].
channel [BF07, CTVS04, DS06b, HO03, PPDM08, SS05c, TS08, VTT08].
channels [CGRV+04, NFV+06, SFX03, TCM05]. Chaos
[AK01, DGF09, LX09, MN09b, PW07, RM07, WK05, X03, HLRZ06].
Chaotic [Lin02, ZYL+06]. Characteristic
[DCV+01, LL01a, OB02, OMK09, QS02, IX07, PL04, RLZ03, Ser09, TY07].
characteristic-based [Ser09, TY07]. characteristic-wise [RLZ03].
Characteristics [ZTT02, HMM08, Lee03, Lee05, Neo07, NDT06, SD05a,
SD05b, SZH07, TOY05, ZR08]. Characteristics-Based
[ZTT02, Neo07, NDT06, SD05a, SD05b, SZH07]. Characterization
[GD06a, FH03]. characterized [RC06]. Charge
[CPP02, OMK02, SUW01, Ver01, ASQR06, CK07, LSA06, WR09, XDC09].
Charge-Conserving [OMG02]. charges [CD07, DC07]. Chebyshev
[BK08, BDC03, BRB03, B04, Boy05a, GH03, J0W9, LB09, LBS+04,
Ra03, VB08, ZP06, ZSTC06]. Chebyshev-filtered [ZSTC06].
Chebyshev/rational [Boy05a]. Chemical
[JW00, LW00, MEG02, SM01, SD00, AGCV07, AMH04, CP06b, CP06c,
ELVE07, HL07a, JW03, LGP09, Li08, MK07, OLA08, RE07, RHP09, SZ08].
Chemically
[BM01b, Li01, CP05, CP06a, CFT+03, NS05]. chemistry
chemotactic [BCGR05, SL07c].
Chen [WS04].
Choice [TDV06].
CIP [IX07, TOY09, YMT04].
CIP/multi [IX07].
CIP/multi-moment [IX07].
CIRCULAR
Classical
Classical [BS00d, HGM01, BCCV09, CWL08, JR03, JR04, LQ09, LTD06, QCGQ03].
Cleaning [DKK02].
Clear [Bal02].
climate-prediction [SW08c].
climate [Dic08, Lap08, Lyn08, MS08b, SW08c, Thu08b, dNWvSD07, dTWD09].
Cloud [MD02, SMT08].
Cloud-in-Cell [MD02].
Clouds [VCTS02].
Cluster [Gut00, MK02a, MG05a].
Clusters [DPRS01, KKD08, Pal08].
Cnoidal [Boy02b].
co-propagating [BBF08].
coagulation [VK04].
Coalescence [CBL01, BJ04, FLM08, LMV04].
coalescing [ADS03].
Coarse [DEHL06, KM03, RMGK04, IM07, KEB07, THL06].
Coarse-gradient [DEHL06].
Coarse-grained [KM03, IM07].
Coarsening [Cho00].
Coastal [SR00b].
COBRA [SHWW00].
cochlea [GB03].
COCR [JHZ09].
Code [ALGM01, BM02, BADG00, CB01, HF01, QRHD00, SHWW00, BM06, BvdHK07, CN08, FM06, GH03, GLN06, GBB06, HF08a, HDR06, IITV07, KB04, LGKP07, LL08b, NC04, OPML07, Roy05, SO08, SJHM09, TVMR03, TT06c, TPR05, WGCR07, ZK06].
Codes [PF01, SMP01, T600, ADS03, FG06, HM09, PH09, PL04, TS07, dSHHM05].
codimension [CFF07, Min03, Min04].
codimension-2 [CFF07].
coefficient [Ber04, BK08, HL05, JBH08, JZ08, LT05, MGC06, UL06].
Coefficients [PL01, VSMW01, Boy09, CT04, DGH08, HH07a, HylL07, MD06, OK06a, SRNV07, TBT09, ZZFW06].
Coherence [BTSM09].
cohesive [WR09].
Cold [VCTS02].
Cold-Atom [VCTS02].
collapse [BCGR05, Sus03, TU04].
Collection [TRL01, KF07, WXG07].
colliders [QFR04].
Colliding [KM09, CC08b, KM04].
Collision [ADR08, Mu02, PRT00, SR00a, DWC09, DTS05a, DTS05b, KDK07, Lar03, LSWA09].
collision-driven [DTS05a, DTS05b].
Collisional [BZ00, KK00b, CF04, FPT05, GT09a].
collisionless [LCB04, VTC07].
Collisions [SS01, AGW07, BBDE05, HS04, SK08a, She08, SMS07, WLC08, XCR08].
Collocated [LP02, CEH09, FL06, IA06b, MZ07, NMM07, NMM07, Ni09, SMS04].
Collocation [CSS00, KK00b, Lay02, PB00, Rei00, VB00, YK04, AA09, Bia03, BK08, FWK08, FH03, GZ07a, GZ07b, GH03, Hel04, HK08a, HK09, KT03, LCCG05, MZ09, MK08b, ND04, VK05a, WG09, ZG08].
Colloidal [HHL00].
colocated [HM05].
Column [SUW01].
Combination [GG00].
combinatorics [RK07].** Combined 
[AA02, FVOMY00, SZ01, Car09, NI03, SLV09, TZ06, VS09, WZ09].

**Combing** [CWD08, FHJK09, SMP01].** Combustion** 
[FH00b, GMBO1, BEG03, LG03a, LP06a, LLRP09, MMPB07, YT07, vdBG09].  
**Comment** [Aza09, CRK01, MCP03, TR07, Xu01b, LM03a], **commentary** [SM09b].** Comments** [PX02]. **common** [EF03].

**Communications** [KP05]. **Common** [EF03]. **Communications** [KP05].

**Commutative** [HV03, MVM02, CBjdlC07]. **Comp**  
[DD03a, LM03a, MKM04, SM09b]. **Compact**

[AC00, ACY00, Bla00, CT09, Cui09, DZ00, HT00a, HT00b, Hix00, KMJ01, 
Lai02, LS02c, LC01, MF00, NWZL08, PKP01, PS08, Pir02, PM00, Tol02a, 
Tol02b, TS02, Zha02, AV05, AZ03, BACFT05, Boe05, Cap08c, Cap09, 
CHBO9, CL08c, CS09, DE06, DS06b, GG09b, IQ08, JAK05, Jor07, Kim07, 
LSB04, LL09, NLF03, NI03, NF09, NS05, PKD07, PYC04, PS04, PSG05, 
RL03, SGO03, SJD05, SDR07, SLV09, SYG06, SS05a, SZ05, STZ07, TD07, 
Tol08, WZ09, WF06, ZJS08, ZYHS07, KG09]. **Compact-Difference** [MF00].

**Compact-WENO** [Pir02, CHB09, RLZ03]. **compactons** [RV07, RV09].

**Comparative** [KKSO7, GLLX08, MC06b, SB06c, TPVG06]. **Comparing** 
[WLC+08, ZRS06]. **Comparison** [AV02, Bar02b, Boy02a, BUEG06, 
CMOV02, Fas03, GH03, GHVO0, GC02b, HDC02, KMSH08, KN04, Mac00, 
MRS09, MBS03, QS02, SS01a, WPM+02b, YFS01, Yuu02, ZDNP00, 
ABRR09a, ABRR09b, BRB03, CGM05, E07, EHS+08, GR04, HS04, 
IITV07, KSW07, LTD+06, LOV04, NDG05, SSW+07, ZKDT07]. **Comparisons** 
[LMX+08, MP01b, CGMO03, GMS06, PR04a]. **compatibility** [RVDM09]. **compatibility-constraint** [RVDM09]. **Compatible**  
[CRBO0, BBC+06, BAF09, LC06b, RK07]. **Compensated** [PSM08].

**compensation** [DL03b]. **Complement** [ACS00, ACLS03]. **Complete**  
[CL08a]. **Completely** [XY01]. **Complex** [DDH01, FVOMY00, KKCO1, 
MF01, RRV01, UMRK01, AB05a, AMP09, BYZ04, BGS08, BGN03, BHP07, 
CHM08, CB03, COER07, FLE03, GS07, GSBO3, GS05c, GN07, Had05, HM08, 
HHM05, JL09, Hуз+09, LZL03, LC04, LZ09c, LV07, MCM04, MGV04, 
MDB+08, MMPB07, MK06, Pop03, RJ06, RE05, SY03, SC08b, TAL09, TF03, 
VSO3, XLM07, YXLF05, ZJWC08, dSMF09]. **complex-step** [CB03].

**Complex-Valued** [MF01]. **Complexity** [Fau07, PWW00]. **compliant** 
[LTWW07]. **complicated** [SZS03]. **Component**  
[YL01, CGLS05, CLS05, JVVS07, Maz06, MLS+05, MGNB09, SS04, TZO7a].

**Component-Wise** [YL01]. **Composite**  
[BM01a, DRI02, GA09, GLO6, HC09, Jor07, ZC09]. **composites** [WP09].

**composition** [CP03a]. **compound** [Hau08a, Hau08b]. **Comprehensive**  
[VI05, GB03]. **compressed** [HO08a]. **Compressibility** 
[HDC02, VLM02, BCDR06, Ber06a, KKS05, SD05a, SD05b]. **Compressible**  
[AK01, ACK02, BCK02, CFA01, CR02, DLS+00, GS02, Han01, HH02a, 
LC01, PR00, Ros00, SL02, SGBK00, Shy01, SFMP06, Sun00, SPW+00, 
TBS01, WLE+00, WZ00, Xu02a, vdVVD02, AS03a, BSHK07, BKT09, 
BALW06, BLM08, BL09c, Boe05, BB08b, CPR05, CL07a, CL08b, CHB09,
CJ09, CS07a, CZ09, DT04, DP07, DP08, DF04, DND06, ECL02, FK07a, FOLD05, FD07, GXW07, GFS08, GMD07, GR04, HI09, HH08, HM04, HM05, HK04b, HKAH06, HAI09, JAT08, JC06b, KG08, KK05c, KK05d, KK05b, KvdVvdV06a, KvdVvdV06b, KvRvdVvdV07, Kok09, KSGF09, Lar09, LMX+08, LFS07, LFX05, LS07, LJW09, LDPL08, LKW05, LV07, LP07b, LCS09, LDV08, LSW06, LB03b, LJ06, LBL06a, LBL08, LHZ+06, Mai09b, Mai09a, MM03, MTWW06, MC06a, MB04, MSS08, MLS+05, MBP07, MG05b, NG08b, NGvdWS09, NDT06, NT07, compressible [OF06, OPML07, PDHP07, PS05, PvdV08, PFSL07, PWM06, QA09, QLK07, Ros03, Ros07, SRM09, SFDL07, SPB09, SWK06, SM06a, SMI09, Shy06, SY03, SC09b, SK03, SCN07, SN08, TW07, TT09, TMD+08, TW05, TT06c, TR07, WAO+04, WTL08, WM09, Xia04, XAI06, XLP05, ZGG03, ZSC08, dTDI+07].

Compression [HHCL01, dCNHS07]. Compressive [CLLG09]. Compton [DWLM09]. Compton-scattering [DWLM09]. Comput [ABRR09b, CL08b, HMS08b, HY11, HLWW06, JGJL07, Lau06, MN17, Mi07, SCC+03a, WZL09b, dTWD09]. Computation [AIRY01, BCB03, Bae03, CS00, CGSS00, DDG02, DD05, DP00, EKK02, GG00, GM01b, GKL00, GM01c, JT02, Khe04, LRS07, MS01, NR01, PK07, PS00, RS06b, Shi07, SFV00, hRT02, VLKM02, Wee02, WZ00, BBK07, BP04, CJW07, CFM09, DBB06, FR08, GT09b, GXW07, GM004, GMS06, HS08a, Hux03, HL09, JD09, JX07, Kar04, LCB09, LBL04, MC04, MGCR07, MT08, NL08, OB06, OJ06, PLS+09, RJ06, RC06, Ros03, Ros07, SP05a, SKK05, TZ05, TJ09, Tuc03, UTV03, VCT09, WL08, YC06a, ZSW03, Z05, ZIP06, dSMF09]. Computational [BMRS02, BCE+09, BPS03, Borr03, CL01b, Dar00a, HMK02, JY08, KM02, KMRH00, Myo01, OP02, Sau04, SHA08, SSD00, SZ01, Abr06, AK09, AHNS09, Bod06, CFR04, Cap05, Cap06, CKP07, Dem04, FVE04, GWF+07, G07, Gim07, LB03a, MR09, MJ06, Meh04, MG07, MT07b, Myo04, PBH04, Roy05, WZL09a, WZL09b, ZWL+06].

Computationally [EHD08, LLRP09]. Computations [AK01, CAL00, DIV00, ES03a, Fre00, Gos02, HHCL01, JK00, KKR01a, KKR01b, KLvBvL02, SS02, TBE+01, BB04b, BdCB09, BLM04, BCR05, CWL08, DH07, EG08, GS03a, GKE04, HP04a, KM03, KL08, LW07, MKLU05, MK06, NA08, NJX09, RM03, SMS04, TZ03, Tan08, VOD08, XLM07, XP04b, XHC08, YP06, Y09, Yan09]. compute [CXB08, CB07, VBL04]. computed [MLSD07]. Computer [Ota00, VP00, FSS03, GH03, KKD08, L06b, Ly09].

Computer-Aided [VP00]. Computers [AKY01]. Computing [BNP06, BLW01, BB06, CF06a, CGL06, CCJ07, CEL06, DK06, DK02a, FCT07, Fre00, GST00, Han00, HL07b, JLOT05b, JLOT05a, KG03, LM08b, LAKD08, dFM bdFM02, Ovt08, PS01, RS00, SP07, SP00, TMND07, Wu02, BW06, BCL06, BS08a, Boy03, CORT09, Cec05, CL07a, CL08b, Chu09, CJR04, Jao07, LS09, LW07, LW09, MR06b, SDR07, SH07b, SFV06, Sus03, Vos06, Wen06, XMP07]. concentrated [DMHP07]. concentration [Bil05]. concentrations [Wen06]. concept [HF08b]. Concise [VQSZ02].
Condensate \cite{VCTS02, BT03, CKLS05, CLS05, Yam05}. condensates \cite{BW06, BCL06, BS08a}. condensation \cite{BJM03}. Condensed \cite{BS07}.

Condition \cite{AGP01, LFK01, NFK01, Vay00, WHV+00, APQ03, BYS08, Car09, DS05b, FGP08, GV08, GP04, GK07, HAS05, Hu05, KDOO05, KL04, Li08b, LD04, Ten03, XD07}. Conditional \cite{ILL09}. Conditions \cite{AC00, ACY00, AGH00, DMG00, DKSW01, Eli02, FT01, FSY00, Giv01, GVT01, Gro00, JL02, LOK01, MPC01, MPC02, OB02, Pet01, RC00, RKT01, SY01, VDM+02, YFS01, AST07, AMR06, AB03, AKBO09, Ato04, AG08, BN08, BBD04, Bér07, BA03, Bra08, CGMS06, CBI+04, DH09, EZ08b, EL07, FE04, GK04, GE07, GT09c, HM08, HK04a, HZ08, HEN09, Hel09b, HHH08, HSC09, HF08b, IK07, JM05, KE05, KB06, LW04, Li08b, LP06b, Li09b, LD08, LZ04, LCCG05, Mai04, MTH08, MJ07, ND04, NN04, NMS07, NB04, OPML07, PH08, PK05, PWM06, Pro05, Pro07, SS09, SS05c, So09, zSW06, zS06, SK03, SCN07, SN08, THL06, Tan08, Tem06, TE08, TS08, Tsy03, XHH07, YEO7, Zhe06, dA04].

Conducting \cite{CPK02, Kan02, DND06, PL09a, RVVL09}. conduction \cite{AMXL09, DQ04, FHLO08, GIA+07, GIA+08, GL06, JG09, MR07c, Mou04, Ols07}. conductivities \cite{YWC07}. Cone \cite{SS01b}. Confined \cite{OL01, BWLM09, Chr05, PC08, VBJ08b}. Confinement \cite{SUW01, Gos04, SKK+08}. Conformal \cite{ZSL07}. Conforming \cite{VR02, CTV03, CEH09, KT06, SB06c}. congruent \cite{AD04}, Conjugate \cite{PKvdB00, AMLC08, Fen06, HC09, Ovt08, Yan09, YLD09, ZW03].

Conjunction \cite{TK00}. Connected \cite{BMQ02, HJ02, VRM07}. Connecting \cite{SZ00}. Connection \cite{Li00, Xu01c, VLW07}. Connectivity \cite{S02, TB00b, SS09b}. Conservation \cite{Asl01, BJ00, Bar02a, BS07, CWT00, CDP00, CRD02, FGGO01, FMO00, GC01, Han01, JTB02, KH09, KT00a, LL00, No00, Per00, Sti02, TS01, Vaso00, VS02, Wan02, WL02, YL01, ZSP02, ZYC02, AKLMP09, BAFL09, BT05, BBCT09, BCCD08, BP03, CLG07, Cap08a, Cap08b, CP08, CGKM06, CD07, CM07, De04, Edw06, ÉGP09, FS09, FL06, GV07, Gu05, HLM07, HM04, HU07, HO03, JR09, JTL09, KI05, LL03c, LW06b, kM07a, MY06b, ML08, MES09, ML04, PDL09, RL03, RCD05, SW04b, SY06, SAM05, SWL06, SZL06, SR09b, Tak06, Th08b, TT04, TT05b, TT06a, TT06b, THS07, WZL04, WGO9, XSO5a, YZF07, ZYL+06, vDZ06]. Conservative \cite{Abg01, AKO09, CBKM00a, CBKM00b, CL01a, CFJ06, CRD02, DLS+00, FSB01, FKO2, HLS02b, HEMLO00, IAT08, JJGL06, JJGL07, Jan00, KKL04, LM04, MF01, MC02, MG09, NTT01, NTT02, Ntc00, OF02, Pir02, THD09, Tš02, VK05b, XY01, AK06a, CS07a, CS06, CS07d, DP07, DP08, DMP08, DBBP08, EB06, FS09, HMMK05, HKAH06, ITTV07, IKS+09, KD09, KP09, LCS09, MS03, MM03, MC07c, MVO04, NMM+07, NHM+07, NGvDS09, OK05, OKZ07, OK06c, RVDM09, RAD07, RSTB03, SZC09, SYC09, SS07b, SA09, SPGR06, TL06, TOY09, WAO+04, XP04a, ZGK09, ...

Conservative \cite{Abg01, AKO09, CBKM00a, CBKM00b, CL01a, CFJ06, CRD02, DLS+00, FSB01, FKO2, HLS02b, HEMLO00, IAT08, JJGL06, JJGL07, Jan00, KKL04, LM04, MF01, MC02, MG09, NTT01, NTT02, Ntc00, OF02, Pir02, THD09, Tš02, VK05b, XY01, AK06a, CS07a, CS06, CS07d, DP07, DP08, DMP08, DBBP08, EB06, FS09, HMMK05, HKAH06, ITTV07, IKS+09, KD09, KP09, LCS09, MS03, MM03, MC07c, MVO04, NMM+07, NHM+07, NGvDS09, OK05, OKZ07, OK06c, RVDM09, RAD07, RSTB03, SZC09, S
Continuous [CJ07, DPCV02, HEML00, BBvdV06, CVE06, EZ08a, FCD+06, KEB+07, Kim05, Ni09, NZ07, WAH09]. continuous-time [CVE06]. continuously [MM07]. Continuum [AA02, BS01, EH02, BB09c, FK09a, HW08, JG09, KZ06, KAA+07, LSL08, LZ04, LCNR07, MMKP08, Ren07, SSKS08, SWB+06, SSE03, SB06b, SSB07, SBC04, TKH09, WL03, WWK05, ZL09, ZRS06]. continuum-atomistic [LCNR07]. continuum-field [HW08]. continuum-particle [ZL09]. continuum-transition [LSL08]. Continuum/DSMC [AA02].
continuum/particle [SBC04]. Contour [CPP02, SJ02, SLF08, SAKDJ05, SD06, VCM00, XCY06]. Contouring [Str01a]. contracting [PK07]. contraction [APP+07, TCM05]. contrast [GL06]. Contrasts [VSMW01, EG08]. contravariant [LB04]. contribution [GLM07]. contributions [FSS03]. Control [AJG01, HGM+00, KMA+01, PGN08, RV00, Aza06, BC08, CC07, CY05, FLB03, GKD09, GL09a, HKM07, HZ07b, HN03, HS04, KLK08, MK04b]. Controllability [HMPR07, MHPR08]. controlled [CP04b, IG05, LG03a]. controls [ZJW06]. Convection [ART02, Alb00, CWT00, GZ01, KLN*01, Kul01, KTO0a, MPP01, SZ01, SWL00, Str01b, TC02, vdSE00, ART04, AZ05, BKS07, CA06, CEH09, CS09, Ch05, CS07d, DGH08, DR09a, EKP06, EKP07, FBHV05, GZ07b, HK06, ID04, KKS05, KZ04, KW08b, Kuz06, LCW04, LDW07, LS05a, MZ08, MC09, NPC09a, NPC09b, PS03a, PSC04, PSW09, TD07, Tol07, VU04, VB08b, WD07, You06, ZGT06]. Convection-Diffusion [CWT00, KLN*01, Kul01, KT00a, vdSE00, CS09, CS07d, DGH08, KZ04, LCW04, LDW07, LS05a, NPC09a, NPC09b, TD07, You06]. Convection-Diffusion-Reaction [SWL00]. convection-radiation [BKS07]. convection-reaction [HK06]. Convective [FH07, GH01, PR01a, Ata04, Bi05, FP08b, KG08, SPLM09, Sus06]. convective-diffusion [SPLM09]. convective/absolute [Sus06]. Convergence [CLMR08, CAL00, DCV+01, GTRB09, GTD+02, GM06, GM01c, KDK+07, LZ07, Lee05, PS02, PFB01, Saf00, STR07b, SPW+00, BAR08, BB08a, BS09a, CMG09, DVHM05, GS06b, GP05, Hel09a, HT03, HJM06, JS07, KJ09a, KS08b, Ly07b, Maz06, NOG08a, NvL03, ODAF07, PBP09, SBA07, SY03, zSW06, zS06, Tor03, TB04, Tow08]. Convergent [DDH01, dM02, Gon07, JTL09, MGC06, TCM05, VSW04, VSW06]. converging [Boy09]. Converter [KMA+01]. convex [HJ09]. convexity [De 04, XP04a]. Convolution [RM01b, WP02, BKM09, Boy06, GvH06, WZ07]. Convolution-Finite [WPW02]. Convolution-Thresholding [RM01b]. COOL [CGC+09]. Coordinate [Bon00, FK02, HK01, MC00b, Wu02, HW07, LRS07, LB04, SS03a, WS04, ZKDT07, dHRvdB07]. Coordinates [BM02, CSS00, CL02, NC01, VR02, An08-50, BN04, CJ04, CK07, DB04, GYKL05, KRT+09, LGHD08, LPK05, Mca04, MVO04, Nik06, NB04, OBT06, SR09a, SM09b, SHY07, VR07, VM07, WAH09, XLP05, Yam05, YHSX07, vdHK07].
copper [ZSB08]. Core [TR02a, HSC09, SW08c]. core-spreading [HSC09].
Cores [CKS00, LLB05, Thu08b]. Coriolis [AKO09, HC08]. Corner
[H08a, Boy05a]. corners [Boy03]. corrected
[BS08b, CL05, CL08d, FWW04, MB04, Str07a, dFGLS05, dFJS09].
Correcting [SHP07, SK04a]. Correction
[AV03, KLN01, KT02, MD02, MOS00, MPC01, MPC02, SM09b, ASPB03,
BLM03, Che03, CL07b, DL03b, FG04, HJM06, HJM07, HJ08, LM04, MTV08,
NVD05, PG04, RV07, RVDM09, SLC07, Wal03, WYS09, WS09, XYK05].
correction-based [WS09]. correction-lattice [SLC07]. Corrections
[BC02a, THN07, VGCN05, X05c]. corrector
[CPKW09, CMSZ09, LRS09, TWY06]. correlated [KS08b, AGT05].
correlation [LL04a]. correlations [MPD08]. correspondence [PHK06].
Corrigendum [LLIK01a, MKM04, MN17, SCC03a, dTWD09]. cosmic
[Min07]. cosmic-ray-hydrodynamics [Min07]. cosmological [RHP09].
cosmology [WJV07]. Cost [LC06a, BCE09, LQ06]. Cost-effectiveness
[LC06a]. Couette [LR03]. Coulomb
[AV09, DCM09, GH02, GM01b, HB05a, KK00b, Lar03, LWDA09, LJK09,
PC02, Saf00, Saf02, She08, SS01b, WLC08]. Counting [Bow01]. Coupled
[CFM09, DE02, FML03, GA09, KZ06, Man02, MC02, NVD07, SP00,
VDM02, AK06a, ALB08, AMS04, BKS07, BBDE05, BFG08, DSM09a, DH07,
Doh08a, GT09b, GGS09, GFR09, GGCC09, HBLD07, HMMR04,
JG09, KLSW09, Mou04, NVD05, NGC07, Ols07, ODCK07, PR04b, PC06b,
RBSL06, Ren07, STD05, Sus03, TC09a, WLC06, YLL06, YLD09, YSS05].
Coupling [BQ09, CPT01, Dar02, Del03a, Fed02, GT00, GB08a, GL09a,
SSE03, UH01, WL03, WK01a, YMF01, AHMS03, AL08, BC09, CPW09,
CE07, CS07c, CC08b, DM03, DDM07, DTMS06, DST07b, ED07, I06b,
KYK07, LMK09, LMD03b, MMS04, MU09, NM09, Min06, Y05].
couplings [VZL07]. Courant [KDO05]. Covariance [SL05]. Cox
[MR01]. Crack [ADIM09]. cracks [OH04, PL09a]. Crack [Han00, KW08a].
Creation [OMG02]. Creep [Sie00]. creeping [Kro01, Kro02, MR06b].
Criteria [SV00, CHM08, LG08]. criterion [KP08]. criterions [HX05].
Critical [AV02, GGL01, KM01, Mza06, HAP05]. Critique [Mac00].
crossed [HDBW05]. crosswind [BEG03]. Crystal
[JK02, LS02b, BS05, BS05, CW08, DQA08, DBB06, GJK09, HWL09,
Lap03, LL06a, LLZ07, PSCQ03, Sau04, TBT09]. Crystal/Melt [LS02b].
Crystalline [EH02, GM04, GM06, Tan08]. crystallization [Lap03].
Crystals [CD00, DG00, KM02, BS06b, Chr03, DDD05, LR07, ON08, YLA08].
CSP [VGCN05]. cubed [CX08, Cho05, PL07]. cubed-sphere [CX08, PL07].
Cubic [CP04b, Lay02, BIS07, CLS09b, PSC04, Zhe06]. Cumulative
[Ano00-28, Ano01-28, Ano02-28]. cure [LJ09b]. Cures [KKR03, PD01].
Curl [CL06a, TR02b, Wel07]. Curl- [CL06a]. Curl-Preserving [TR02b].
Current [Ver01, BCDW06, BO04, CBC09, CDV05, EPW08, FM06, LTD07,
NMH07, NMH07-S, SK05, VTC07, We09]. current-carrying [CDV05].
Currents [JTB02, GCV07, Pe03, SK08a, VBL04]. curse [KDO05].
curvature [Bur05, BHSV07, ML06a, Shi07]. curvature-dependent [Bur05].
curvatures [RMB07]. curve [CFF07, SK07a, WSTW09]. Curved
[MSYL00, Chr04, GH08a, JJGL06, JJGL07, JY08, KY08, KAK03, KB06,
NGC+07, QP03, RLB04]. Curves
[BCM001, CBMO02, KKL07, LZ09a, MR07b]. Curvilinear
[BM02, BG08, JM01, MR01, NC01, SK05, SC00, VR02, VG02, XZC02,
BN04, GS07, HW07, KL08, KRT+09, Kok09, LB04, Niki06, VRM07, WS04,
Yam05, vHK07]. cut [FD07, LTO07, RCB05]. cut-cell [FD07]. Cycle
[GH00, BPM06, SJ07, XYK05]. Cyclotron [OL01, GLS03]. Cylinder
[HMG+00, MK02a, BC08, BT07a, BT07b, DCK08, KR09a, MP03, NCS03,
SL07, SSS03]. Cylinders
[AD01, PG02a, AL06, ACR08, MAL09, TOZ03]. Cylindrical
[BCO01, CB02, KKGL01, LZ09a, MR07b]. Cylindrical
[AD01, PG02a, AL06, ACR08, MAL09, TOZ03]. Czochralski
[J02, PSC03].

D [MKM04, CHL09, AV05, AFGM07, Ahb00, ASQR06, AMXL09, ALGM01,
AQ00, BM02, BO05, BB00, BM06, BCK09, BNM07, BL09, BRC+09,
Bvd06b, BM02, BMQ02, BCP07, BPL06, BG08, CD03, CJ07, CO08,
CW07, CPG04, CGM06, CGN+07, CDH08, CBK00a, CBK00b, CK03,
CBB01, CTT08, CLL+07b, CJ07, CO08, CP04c, Dar02, DBF08, DS06b,
DGP00, DH07, DB04, Eld07, EH03, EKL09, EAY01, ES06, EK06, GS05a,
GS06a, GH03, GS07, GW02, GBH03, GS03, GS05c, GBB+06, GKL03, Gni03,
GLX08, HA00, HWL08, HH01, Her09, Her09, HS08c, HSL08, JH08K08,
JHS07, KKF09, KB04, KPP09, LG09, LC06a, LS06b, LD04, LLK01b,
LJ09a, LS00, LW07, LH08a, LF04, LC03, LL08b, LH+06, Mac07, MK099,
MP07a, MKL05, MG07a, Meh04, MSYL00, MP01b, MAL09, NCW+09]. D
[OTCM08, ORM06, OJW06, ON08, PAD07, PSC04, PC08, PVP09, QS07,
RWS07, RW08, RKE+07, Rom02, Rom07, RM08, RFVP09, RVVL09,
RW03, SROD0FF05, SW08, SMP01, SL07a, SA09, SPL09, Sut01, SP00,
TJS03, TS02, TPR05, VGS04, VLG07, VB07, VGZ09, VGB09, WGL06,
WM09, WFC09, WS09, X09, XM07, YM07, YBZ06, YJF+06, ZYK01, ZZ01,
Zh02, ZK05, ZJW06, ZZC08, ZTP05, dHRvdB07, dSM+04, vZ06b,
vZdBB07]. D-leaping [BCK09]. d-quadratic [CHL09]. Damped
[Küm04b, Pro03]. Damping [HZ02, APT09, BCG09, CL06a, LH08b]. Darcy
[EZ08a, BT09, GD07a, TC09a]. Darcy-flux [EZ08a]. Darwin [SG06]. Data
[DCS00, GZ07a, Gut00, KF+04, LCS00, M80, TK02, WPM+02b,
DEHL06, DS08, GZ08, GD06a, GSK06, HS07a, KF06, KS03, KE09, RR07,
RA09, SS09b, TPG06, dCNH07]. Data-driven [GZ07a, GZ08].
database [TZ07c]. Daubechies [NG06a]. Davidson
[BPS03, CL06b, SWT01]. dbar [KMS04]. dbar-equation [KMS04]. DC
[SUW01]. De-aliasing [KK03b, SVB09]. dealloying [EE08]. deblurring
[CJL09]. decaying [KMSH08, TMO07, YGL05]. decision [SMSS07].
decoder [FK09a]. decomposed [Ber04, BUEG06]. Decomposition
Deconvolution \[\text{AS02, AHF04, HBLD07, HAD06}\].

decoupling \[\text{GB08a, RVM07, SMAj08}\].

dedication \[\text{RP08b}\].

depth \[\text{SW08c}\].

Deep-atmosphere \[\text{SW08c}\].

depth \[\text{BLW04}\].

defeating \[\text{Boy05a, Boy05b}\].

defects \[\text{SL07a, KL08, PG04}\].

Defects \[\text{DDG02, VDM02, HK06}\].

deferred \[\text{BLM03, HJM06, HJM07, JH08, LM04}\].

Deflagration \[\text{GP00b}\].

Deflagration-to-Detonation \[\text{GP00b}\].

Deflated \[\text{AMLC08, VSMW01}\].

Deformable \[\text{TC02, ZD00, CA06, LL07, ZEA06, ZD05}\].

Deformation \[\text{GH09, LLdIP+00, DLW06, FKK08, JA08, LS08, LQX06, MDM03, PS03b, SCR08, VQL04, XMP07, ZK05, vZdBB07}\].

Deformations \[\text{CGDT09, DT03, FGS09, MV08, ZFM08}\].

Deformed \[\text{AD01, AKL+08}\].

Deforming \[\text{VG02}\].

Degasperis \[\text{FL09}\].

degeneracy \[\text{GS05a}\].

degenerate \[\text{BAR08, WC08}\].

delamination \[\text{Oh04}\].

Delaunay \[\text{GS09b, LQX06}\].

delay \[\text{GKE04, KG03}\].

Delays \[\text{BCK09}\].

Deleted \[\text{Boy02b}\].

Delta \[\text{Bea08, ETT05, MG08, Sme06, Tow07, Tow09a, Wen07, Wen09, YZLH09}\].

Demonstration \[\text{TWS02}\].

dendrites \[\text{TZ07b}\].

Dendritic \[\text{ART02, EKK02, GW02, PK00, ZH01, ART04, DQA08, TZ06, TZ07a, WL08, ZGT06, ZHP03}\].

Dense \[\text{Sni01, FY07, LMV04, LZL03, MEK03, NFVeS+06, SH07a, WWK05}\].

dense-gas \[\text{SH07a}\].

density\[\text{BCDW06, SK08a, Sti05}\].

Density \[\text{BCR+01, CYKC01, Ciu01, FS00a, FS00b, GBS00, GG00, Lou00, NFVeS+06, OS01, Pai01, SBGK00, Ver01, AT09, CCG08, Chr03, DBBP08, DSS07, FH07, GS09c, HJFW04, HA09, IOTK04, Küm04b, LL05, LP06a, LF04, MP05, MP07b, MJ07, MDR07, NM+07, NMH+07, Ni09, PS07d, RVM07, RVD09, Ros03, Sam09, SF03, SD05a, SD05b, SE04, SDO08, Sur05, Tok06a, YZ07, ZSC06}\].

Density-Functional \[\text{Lou00}\].

density-functionals \[\text{Küm04b}\].

Density-Stratified \[\text{Pai01, SE04}\].

Dependent \[\text{AGH02, ACS00, ELW01, Gen01, Nys02, RTT01, VR02, AZB09, AFGM07, ACLS03, Ata04, BIW04, BH05, Bur05, CT08b, CJ07, DL04, DR09a, DKS+03, FD03, FKL07, FH03, GN03, GP04, GK07, HDBW05, JHK08, KW03, LWG03, LP04a, LB04, ML05, MU09, OPML07, RCD05, RRW05, SV07, Ten03, WRu03, WS04, YYF09}\].

Deriving \[\text{AMH04, CK07, RRV06, ZK04}\].

Derivation \[\text{MVW08, SZ05, AI09, LT09a, OF06, SD05a}\].

Derivative \[\text{TT06a, CB03, Jar04, KYL07, RC09b, ZW04}\].

Derivatives \[\text{ELC02, Giv01, BEE06, BHR04, Doh09, Gro06, Gro07, HK007, MN04, MN17, ND04}\].

derived \[\text{MC07a}\].

descent \[\text{CSMH05}\].

describing \[\text{CLTA07}\].

Description \[\text{SUW01, CHBS04, HS09a, LGK07, LL03b, LJS08}\].

Design \[\text{GGF03, HFO01, HKV01, LTL+09, SW00, WD07, XYK05, BHS03, CBG09, FK09b, Hab04, Kuz06}\].

Designing \[\text{ERVE09}\].

detachment \[\text{BHL+04}\].
details [DTS05a]. Detection [GKL00, AGSX09, HD07, PW07].
Determinate [Boy02b]. Determination [Dic08, GM01b, AKL+08].
determining [EN06, Pee03]. Deterministic [ELC02, BCCV09, Cha07a, GS05a].
Detonation [BJ02, BSJ01, GP00b, CDS04]. detonations [HAP06, TV08]. detrended [Ham07].
develop [LS05a, Rah04]. Developing [DZ00, DF00a, FE04, KSJ03].
Development [BW02, CKR00, CKR01, CR00, EKP06, FT06, FCB02, sKKRH03, MEKS03, SYC09, SSD00, Tol07, Tol08, WLC+06, Xu01b, YS07a, ZJS08, CS09, Hig05].
deviational [HH07c]. Device [DE02, CGMS06, CELS07, LSS+09].
Devices [AIRY01, MP01a, MP02, ST01, And09, CGMS03, CL03a, CL05, FH07, GS06a, dFGLS05]. Dey [NCW+09]. df [Chr03]. DGBGK [NJX08a].
diagnosis [HM09]. diagnostics [ACGV07]. diagonal [Boy05b, Lur07, Tol08, UL06, WC07].
Diagonalization [TR02a, CP06b, WC08]. Diagrams [DSS00].
diameter [AV03]. diatomic [Myo04].
dielectric [CDJ07, DBF08, DC07, EG08, Mar06, ZK05].
dielectrics [WC07]. Difference [AC00, ACY00, ADK00, ADK02, Azm02, BR09a, BC02a, Bla00, CS01a, CBB01, FVOMY00, FK02, GHV00, HLS02b, HGN00, JL02, JMP02, KMJ01, MP01a, MP02, MF01, MF00, Nic00, NC01, PK00, POS00, Rem00, SV00, TK00, VCP00, Vas00, VCTS02, VG02, WA02, YP01, ZS01, AE03, BS04a, BG07, Boe05, BMD05, BS06, CHH06, CdHST08, CN05, CYS06, CS06, CS07d, Cui09, DMBS05, DBBP08, DS06a, FDD09a, FDD09b, FK07b, Gro06, Gro07, GH08b, GLT07, GL09b, GL08, HP04b, HWWL09, IK07, IM05, IM07, IQ08, JD09, JAK05, JM05, Jou05, Kim07, KP07, KPP09, LG08, LJW09, LX07a, LMS04, LSS06, LVW06a, LTA07, LS09, MN04, MN06, MN17, MST06, MGP06, MVC06, NF09, PAD07, PC04, PH06, PH08, Pir07, RB06, Rom07].
difference [SROcDPFF05, SHA08, SHWC07, SYG06, SS05a, SZ05, STZ07, SC09a, SC09b, SC09c, Sou09, SB03, zSW06, zS06, SN06, SCN07, SN08, TJD9, Tan08, TD07, TDAP08, Toy08, Toy09b, Tsu06, VPM04, VLW07, WG09, WF06, XSO5a, XSO5c, YJW06, Ys06, ZS07, ZH09, ZYS07, dSSH05, dVGLM09, CBKM00a]. difference-type [WF06]. difference/spectral [LX07a]. Differences [BBHM09, DF00b, To02a, Tol02b, Boy06, IOTK04, Kuma04a, LRS07, MLSD07, Toy09a, WZ07].
Differencing [CM02, HH07b, Jor07, Liv07, LCO6b, SZ09]. Different [WK01b, NW07, QKS06, SD05a, ZQ09].
Differential [AGT02, ABGV02, BCS01, CKL00, GTD00, HMS08a, HMS08b, Hua01a, MF01, MoL00, SCD00, Tuc03, VB00, APR09, AKV06. AGT05, Asl04a, BV05, CP03a, Chu09, DI09, EN06, GKO3, GKE04, GBS06, HR01, HJM07, IAT08, IDD04, KG03, LP04a, LcJCN+03, MZ09, MP07b, MK08b, MS004, MT04, Ng07, Ng08, PSD09, PCS+09, RBV08, RM08, SS08, SRV07, SKW05, SG03b, TE04, VSG05, WK05, YZW05]. differential-algebraic [VSG05]. Differentiation [CSV00, BBB08, CP04a, GT05]. Diffraction [Kan02, WWVG00, BHS03, JY08]. Diffuse
[DSS07, Gla01, FGS09, Kim05, RRV06, Sof09]. **diffuse-interface** [Kim05].

**Diffusion** [AGT02, BKR+01, BMS00, CL00a, CWT00, DE02, EES09, GZ01, Gen01, HFO01, Her00, HGM01, JR07, JM00, KLN+01, Ku01, KT00a, Li01, MHS02, MR07b, MHS01, MKR00, NGC+07, OGV02, PK00, SWL00, SSC00, VDM+02, WDM01, vdSE00, AS03b, ACGV07, AZ06, AINR03, BAYZ08, BM05b, BBHM09, Bar04, BBDE05, BM07, BM07, BHR03, BSH05, Bur05, BEG03, BB08b, CLTA07, CS09, CP04b, CF06b, CS07d, Chr04, CS04, Cui09, DPHN06, DGM07, DH08, DL04, DUEB07, EULM03, FG04, FG05, FM08, GZ07a, GL07, GT05, GL08, Her09, HG03, HMR08, HST09, IG05, JBBK08, JHJS07, KZ04, KLM07, KSS09, LT05, LG03a, LH05a, LH05a, LR07, LG03b, LLL06, LC04, LLO06, LDW07, LS05a, LX07a, LMS04, LSS06, LSSV07, LSV09, LOK05, LLGL07, LGM08, Loo04, MJ09a, Mad06, MM07]. **diffusion** [MP07a, MEKS03, MMKP08, Maz06, MP07b, MG07b, MSP+06, Moo03, Moo07, MT07b, MK03, NV09, N205, NPC09a, NPC09b, Nis07, OS04, Ol07, PS09, PS07b, Pud06, RMS05, RB03, RSO04, RSO5, RS09a, SCT09, SW04a, SH07c, SO08, Sout09, SPL09, TM06, TM07, TV03, VHS04, W06, X09, You06, YA05, YS07c, YS08, Y06, dFGLS05, dFJS09].

**diffusion-controlled** [IG05, LG03a]. **diffusion-reaction** [MMKP08]. **diffusion-type** [LR07]. **diffusions** [Buc05, LN09]. **Diffusive** [Az02, JP00, TAL09, X05c]. **diffusivities** [PS09]. **Diffusivity** [ML01b, FL07, KL08].

**digital** [KS03]. **dike** [LTD04]. **dilatation** [BS04b].

**dilute** [DFV08, Fox08]. **Dimension** [HA02, JWSC00, BFT07, Boy03, CDDL09, Cee05, COQ06, GZ08, JW03, Min03, Min04, W005]. **Dimensional** [AJG01, ART02, ACS00, BMR01, BMRS01, BMRS02, BdlL01, BZW01, Cal02, CRB00, CWT00, CMV02, CD00, DMC00, DCV+01, Del01, DK02a, DOW01, El02, FV0M00, FS00a, FS00b, Goe00, HK01, JW02, KK00b, KP00, LL00, LCS02, LK01, LMS02, Lou00, LWEM00, MR00, MR02, MC02, Pai01, PKvdB00, PL01, PWS+02, RV00, SHW00, S02, Sni01, VDO0, VD02, VS02, WK01a, WL02, Yua02, ZSP02, ZCY02, Avd04, ARR09, ART04, AK05, AV03, AC05, AB03, ABK09, AI09, AT09, AMS04, AMSZ07, BTW04, BFC04b, BS04b, BS04c, BDC03, BM07, BB07, BH05, BH04, BHP07, BL03, BCI+08, Cap06, CQ04, CKP07, Che04, CC07, CS009, CR09, CFGK05, CY05, DCF+08, DL03, Dim07, DL08, DI09, DS09b, ECL03, El03, El07, FNS07, FR08, FS09]. **dimensional** [FHLK05, FCGK05, FFK08, GS09b, GB03, GP04, GGP06, GFW+07, GM04, Gos04, GM06, GKE04, Gro06, Gro07, Gui05, HT07, HZ08, HZGB05, HP04a, HD07, HAP06, HS08a, HT03, HGB+03, HLW04, HLW06, HW07, IHL03, JVV07, JX06, JN07, JW09, KKS05, KSH08, KK05c, KK05d, KL08, KAK03, Kro01, KLP+09, LKD04, LG09, LSD07, LWP+09, Lee03, L09c, LDW07, LDPL08, LS05a, LR07, LT09b, LL03c, LTD+06, LV06b, LTC07, LL08a, LDV08, LJ09b, LP04b, Ma05, Mai09b, Mai09a, MMS04, MRR05, MS07, MST06, MP03, Men04, MR04, MG08, MT07b, MG08, NTY01, NTY02, NTB07, NFA03, ODAF06, OS07, OLL03, PKK05, Pon09, PA07b, QS04, QL07, RB05, RRC05, RS06a, RC06, SKW03,
SBGK00, SSND03, SS07b, SP06a, SK04b, SCRL08, SS04, TM07, TOZP03, TM05, TPV07, TXCD07, TT04. dimensional [TT05a, TOY09, TC07b, TC09b, TG08, TA06, UL06, VGCN05, VVS08, VCG03, VD03, Wag05, WK04, WZL04, WW04, Wen09, Xia04, XAI06, XHW07, XG09, YAvdB+08, YVT05, YXL05, YKK08, YW07, ZWS07, ZP05, ZH09, ZLAC05, Zhe06, ZQ09, ZT07b]. Dimensionality [MN09b]. Dimensions [BCMO01, LTZ01, LTZ02, Nys02, RW00, SWL00, TNR02, CM06, CHL06b, CCG+06, Che07, DLW06, DR09b, EES09, GG04, GS08, GH02, GD06b, HLO08, HB05a, HB05b, JBF07, KLM05, LLP07, kM07a, MCG08, MR05, Moo03, Moo07, NWZL08, RS06b, SBC06, Shy06, TTZ03, TT05b, VW04, Wan04a, Wo09, YBZ04]. Diodes [deM02, BMK+06, DGM07]. diphasic [Del07]. dipole [KDK+07]. dipole-wall [KDK+07]. Dirac [BL04, ETT05, HLO06, HJM+05, MG08, WT07b]. Direct [BRL02, CSS00, FLG01, FLM08, GPH+01, HdgK08, HPZ01, HM04, JLC01, KB00, KH07, PG02a, PWS+02, Ros09, SW08a, SP04, SL04, SCW+09, SB02, Tak06, UL06, ZS01, AMH04, BHL07, BALW06, CTW+08, Chu09, CP04c, Dom08, FM05, FE04, GS06a, HK08a, HM05, JD04, KK09, Kht+08, KSJ03, KS07, LDV08, LQ06, MTWW06, MC06a, MR05, MR07a, Mot08, Pet07, Pro05, SMS08, SP05a, TW07, Uhl05, WMH07, YS07b, ZKD07, ZZZ08, ZD08, GJK07]. Direct-expansion [Tak06]. direct-forcing [YS07b, ZZZ07]. direction [CSHM05, SMA08, ZQX08]. Directional [NTYT01, NTYT02, SZ01, BF08, KW08b]. Directionally [BST01, BST03]. directly [BT03, CS07b]. Dirichlet [Bia03, GP04, GK04, Gu03, HW05, Hel09a, HO03, JM05, Ml08, NR01, SS09, TB00a, YLA08]. Dirichlet-to-Neumann [GP04, GK04, Gu03, TB00a, YLA08]. Dis [BBvdV06]. disc [Hei04]. Discharge [CYKC01, KMA+01, lHA01, DMR09, SPC09, SS04]. Discharges [HK00, HM02, SPC01, PSCB08, SMSS07, UBR07]. Discontinuities [Asl01, NFK01, BFT07, Boy03, FH03, HN03, kM07a, Pri08, TJ09, THS07, VVS08, WAO+04]. Discontinuity [AGSX09, WC01, KL08, KYL07, ZGG03, Zho07]. Discontinuous [BS01, BT02, BSB01, DPC02, Gab07, GHW02, HH02a, HA02, Hb08, LS00, LZC04, Mac07, MPFC08, PL01, RH01a, RBvdV08, YS06, vdVvdV02, Ain04, AB07, BCD06, BDH09, BRC+09, BTT08, Ber04, BG05b, CT04, CD10, CC07, CEL07, CS07b, CS08b, CHG+07, CLS04, CQR05, CFP06, DD09, DLP08, DF04, DMB08, ES06, FCJ08a, FCJ08b, FDK07, FLD05, GLM07, GLM09, Gr06, Gr08, HH07a, HH08, JH06, JW06, KCG07, KvdVvdV06a, KvvdVvdV06b, KvvdVvdV07, KWB09, Kri07, KWD07, KDW08, LGD08, LSY04, LSZ08, LJS08, LY06, LX07b, LGM08, LBL06b, LBL07, LBL08, MRC06, MR06a, MGCR07, MN06, MHI08, MZ07, MESV09, NM06, NL08, NPC09a, NPC09b, OK04, PvdV08, QS04, QKS06, QL07, RBS06, RC09b, SFE07, SMB09, WM07, WM09, WG09, WKG06, XSW07, XS06, XS05b, XLS09a, ZZFW06]. discontinuous [ZQSD08, ZQ09, vdVX07].
discontinuous-Galerkin [KCGH07]. Discontinuous-Pressure [BT02].

Discrete
[AS03a, BSJ01, Coo02, FF02, FGG01, FHL008, GC02a, LL01a, MD02, Mar09, Mie00, PS07b, Poz01b, RRT01, SZ08, SS00, WPW02, AST09, BBC+06, Bea08, Boy06, BL03, CLS+06, CL07b, CT07, ELM03, Fe06, HV03, KW07D, KT00b, KSS09, LG09, LCO6b, MN09a, MY06b, MGS09, MD06, NZ07, PS07a, PA07a, PCS+09, RVDM09, SFVK06, SC09b, WZ07, YZLH09, ZXQX08].

Discrete-element [Mar09]. Discrete-Velocity [Mie00]. Discretely [RC00].

discretisation [RJM07]. discretisations [Bal08].

Discretization [Bar02b, BMS00, DMR09, Edw00, ETT05, GFCK02, JP00, LBV00, MHS01, NE05, PYC04, SC01, Tó02, Zha02, AMR06, AB07, AB03, AK09, BAYZ08, BB07a, BP03, BMS05, BSP06, CS08a, Dar02, GF05a, HH08, IS04, JHSZ07, KK05c, KY07, LL05, LSS06, LCS09, MLO6a, MVD04, MK06, MZ07, RH06, NOG08a, Ols07, PvdV08, RB06, RWS07, RS09b, SVB09, SP06a, TAL09, VV03, VK09, VWW04, W04a, BT07b].

Discretizations
[Boy02b, WK01b, ZDNP00, AD04, BHvD006, CFR09, DWLM09, DF07, EV03, FDD07, FOLD05, FD07, HMPR07, KvdVvD06a, KvdVvDvD07, KWD07, MGS07, MG08, MAN+06, NFGK07, SMB09, TW05, TR07, WM07, ZT07b].
discretized [Chu09, DLP08].
discretizing [Tow09a, Tow07].
displacement-driven [ZVQ07].

Dissipation [SBF09, VG01].

Dispersion
[CL01b, MBP00, PFB01, VBL07, ZF02, CS09, CL09a, FK07b, Kok09, LS05a, LLTA07, MST06, PSG05, SLV09].

Dispersion-Relation-Preserving
[CL01b, CS09, CL09a, LS05a, PSG05].

Dispersive
[Ain04, CL01c, SW08b, BN04, BBMB07, BB04b, CJS08, GP04, KSH+06, LSO4, LZ04, MY09, MGS09, PC08, ZH09].

Dispersion-Driven
[VQL040, ZVQ07].

displacement [VQL040, ZVQ07].
displacement-driven [ZVQ07].
disposal [KP07].

Dissipation
[SBF09, XU01c, YV000, D08, L09b, PD07, PK03, PM08, RV09, T08Y08, VBL07].
dissipationless [ZGG03].

Dissipative
[HJO90, LH07, MF01, MP00C0, WHV+00, Ain04, AWK07, BBMB07, BB04b, PK05, VHI05, VHI06, YS07a].

Dissolution
[JVS07, EE08].

Distance
[MS01, RS00, hRT02, BKK07, JC06a, Tuc03].

Distorted
[Her05, YS07c].

distortion [KK09, ZJW06].

Distributed
[SPT05, BYZ04, BG05a, Boy06, CV06, DLM04, LJS08, VB08, WZ07, vD0A06].

Distributions
[CVB00, Pop00, VS07].

Divergence
[Bal01, Bal09, DKK+02, MOS+00, SCC09, T02a, T02b, TR02b, AT05a, AT08, BD09, CL04, CEL06, LL04b, LD04, NMS07, TA06].

Divergence-Free
[Bal01, Bal09, BR09, CL04, LL04b, LD04].

Divergence-Preserving
[AT08].

DLM [SL07a, Yu05b].

DLM/FD
[SL07a, Yu05b]. DNA [GPL05, vHBB02]. DNS [DHM07, KIH09, Pro07, YGL05]. DNS/LES [DHM07]. Domain [ARRS09, BIW04, BC02a, BCM09, CR08, CBB01, CC03, DDF01, GHV00, GPH+01, HW02, MKL06, PS02, POS00, Rem00, SZB+07, Stu01, VDM+02, YP01, AxdB04, ABSL05, AA09, AL06, BCHL07, BG05a, BSLN09, BP08, BUEG06, BB09b, CdHST08, CELS07, CTT08, CWD08, CFP06, CP06, CD07, DDK06, DGMN03, DLP08, FLE03, FK07b, HZ08, IQL08, JM05, KF06, Lau04, LW06, LV05, LL04a, LT09a, LS09, LJ07, MVD04, MLSD07, MJ06, Mi08, MPFC08, NPH09, OMK09, Pad07, RAB07, RMV03, RJ04, SDR07, SHWC07, STD+05, SW03, SPT05, SL07b, SC09a, zSW03, zSO6, SXyWX09, TZ06, VPMCO4, VW02, VMN07, VS07, VZSL07, Wag05, WC08, XMP07, YCL05, YSW06, YS07b, ZB09, ZSP08, ZW06, dSHHM05, dHRvdB07, PP09]. domain-decomposition [BB09b, LJ07]. domain-type [BSLN09].
domain/finite [DGMN03]. Domains [ACS00, BC01, BW01, BMQS02, CR02, GFCK02, Goe00, HJ02, LFK00, MCJ01, PR01a, AST07, AC05, ACLS03, BB08a, BP07, CGDT09, CHCOB09, DD03a, DD03b, GS07, GF05a, GLLN07, GLLN09, IDD04, ILL09, KZ06, LG09, LF05, Mad06, MM07, MG07c, NN04, PL08, SS08, SC08b, YBZ06]. dominated [Edw06, TW07]. dot [HLW04, HLWW06, VTV+07, Vo06]. dots [HWW07]. Double [Che00a, Che00b, CKG02, CKG04, LS03]. double-Fourier-series [CKG04].
downwind [LWW04]. DPD [FPK08, SK06]. DPEM [LJ09a]. Drag [HGM+00, MK02a, LH05b]. Drift [BMS00, BZB00, DE02, BBDE05, DGM07, ESD05, GBB+06, GD07a, dFGL05, dFJS09]. Drift-Diffusion [BMS00, DE02, BBDE05, DGM07, dFGL05, dFJS09]. drift-kinetic [GBB+06]. Drift-Wave [BZB00]. drill [CP03b]. drill-string [CP03b]. Driven [AQV02, APQ02, DGA08, EAY01, SZ01, Str01b, AK05, CBjDc07, DTS05a, DTS05b, GZ07a, GZ08, GGP06, HKM08, MY07, MP05, ML04, OK06b, Pau07, Pop09, RWMK03, SW04a, VQL04, ZVQ07, ZO90, VS09].
Driven/Time [VS09]. Drives [WB01]. Drop [CBL01, CB09, JA08, YFLS06, ZK05]. Droplet [BW02, SR00a, JS05, KH07, LKMU05, NTB07]. droplets [RG04, SW08a, WS08]. Drops [HLZ02, ZD00, JA08, YZF07, ZD05]. Drum [OS01]. dry [GPC07, Vol04b]. drying [SHTB09]. DSC [WZ07, Boy06, SW03]. DSCMC [AA02, GTRB09, GMAj09, Mac01, Mac03, MY07, OC08, SL04, WLC+06]. Dual [GHG01, ZT02, CGH05, CS09, HC08, Hua07, LJ07, MKK06, NPH09]. dual-compact [CS09]. dual-field [LJ07]. Dual-Reciprocity [GHG01]. dual-time [Hua07]. dual-time-stepping [HC08]. duct [Aga04, DB04, HY09, HY11]. due [BBF+08, Dw08]. Duffing [LTD+06]. Dust [dFMdBdPM02]. Dusty [Sai02]. Dusty-Gas [Sai02]. Dyadic [CYP00]. Dynamic [DIV00, EH02, GC02b, HF08a, MKM99, MKM04, SM06b, THN+07].
vdVvdV02, AZB09, BIW04, BS03b, Che04, CSKD05, DDM07, DEHL06, FDD07, FDD09a, FDD09b, Fen06, Gra06a, HBLD07, Lap03, LDN04, LKE04, LQX06, LP06b, MG05a, MY06b, PKKL05, PS03b, TLAD04, YKG04].

**Dynamic/Thermodynamic** [GC02b]. dynamical

[AS05a, BBF+08, CBjdIC07, SW08c, Thunb]. **Dynamically** [CH01, Eld08a].

Dynamics

[Bar02b, BSJ01, CPP02, DPR00, DPRS01, DGA08, GK02, Hun01, LR01a, diFMbdFM02, Poz01a, QRHD00, SSL00, SZS01, TSG01, TSG02, VCG03, VCTS02, WHV+00, YSC01, Yon01, ZSP02, deM02, Alb08, Alb09, AWK07, ALT08, AKP07, BIW08, BLS08, BW06, BPMR08, BS04b, BBvdV06, BDCG03, BOK+06, CFl09, CELS07, CJR04, CDL04, DSJ03, Dim07, DTS05a, DTS05b, DST07a, DDDC07, Eld07, ES03a, ET06, FS04, GFS08, GCCD07, GV06, GPl05, GT09c, Har04, Her05, HS04, LAT08, JG09, KKM08, KFI+04, KG09, KK05a, KLM09, KP05, LL04, LPK05, LRS07, Ler06, Li08b, LSK06, LL06a, LLZ07, LW04, LMH07, LZH+07, MGCR07, MC07a, MPD08, ML04, MK04a, NDT06, OK07a, Pal08, PGB05, PC08, Pau07, PPCW06, PK05, Prot03, RCT07, RFFP06, SKR06, San09, SDS07].

dynamics [SLF08, SHY07, SFVK06, SHP07, SS09c, Sto07, SC08b, TS04, TCO+04, TPR05, VS09, VGB09, VGB09, Vil08, VH05, VHI06, VCM00, WGS06, WZ03, YWC07, YHSX07, YYL+06, YZF+06, ZGK09, ZRS06, dWKL07, vLAvdV06, vZS07].

dynamics/continuum [JG09]. dynamo [XSG04, XSG08]. dynamos [TFD06].

Earlier [Mac00]. early [CGN+07]. earthquake [BIW08]. easily [MKL05].

**Eddy**

[FLG01, FG02, KK00a, LLQ+02, ME09, Nov04, PPC00, TSB01, AD04, BBB08, BS03b, BO04, CM03, CSKD05, DS09a, EPW08, FDD09a, FDD09b, Gra06a, Gra06b, HBLD07, HP04b, KSJ03, KDC05, LP06b, Liu09c, LDV08, MCM04, MLM09, MG07, MBP07, MMPB07, MhdB07, NLF03, PDH07, PYC04, PM07, RMG+09, SSW+07, SFMP06, TSB03, TMD07, VK09, XLP05, YB06].

**eddy-current** [EPW08]. Edge

[MP01b, RXH02, WS01, BHvdV06, LL05, MP08, SS05b, VTW+07].

**Edge-Based** [WS01, SS05b]. **Edge-Plasma** [RXH02]. edged [YZW07].

Editorial

[Ano00-29, Ano01-29, Ano02-29, Ano03l, Ano04a, Ano04b, Ano04c, Ano04d, Ano04e, Ano04f, Ano04g, Ano04h, Ano04i, Ano04j, Ano04k, Ano04l, Ano04m, Ano04n, Ano04o, Ano04p, Ano05a, Ano05b, Ano05c, Ano05d, Ano05e, Ano05f, Ano05g, Ano05h, Ano05i, Ano05j, Ano05k, Ano05l, Ano05m, Ano05n, Ano05o, Ano05p, Ano05q, Ano05r, Ano05s, Ano05t, Ano05u, Ano05v, Ano06a, Ano03a, Ano03b, Ano03c, Ano03d, Ano03e, Ano03f, Ano03g, Ano03h, Ano03i, Ano03j, Ano03k, Ano03m, Ano03n, Ano03o, Ano03p, Ano06a, Ano06b, Ano06c, Ano06d, Ano06e, Ano06f, Ano06g, Ano06h, Ano06i, Ano06j, Ano06k, Ano06l, Ano06m, Ano06n, Ano06o, Ano06p, Ano06q, Ano06r, Ano06s, Ano07a, Ano07b, Ano07c, Ano07d, Ano07e, Ano07f, Ano07g, Ano07h, Ano07i, Ano07j, Ano07k, Ano07l, Ano07m, Ano07n, Ano07o, Ano07p, Ano07q, Ano07r, Ano07s, Ano07t, Ano08a].
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[Ano08b, Ano08c, Ano08d, Ano08e, Ano08f, Ano08g, Ano08h, Ano08i, Ano08j, Ano08k, Ano08l, Ano08m, Ano08n, Ano08o, Ano08p, Ano08q, Ano08r, Ano08s, Ano08t, Ano08u, Ano08v, Ano08w, Ano08x, Ano08y, Ano08z].

EDQNM [BBB08]. Effect [LGP09, NOG08a, WB09b, de 00, LY06, PAD07]. Effective [DLD08, LM01, PSN00, CSL08, GGRS08, LM03a, LWF +08, MTWW06, MCP03, PSZ09, ZC09].

Efficiency [CGMS06, RRV01, Cam03, EKP07, LDPL08, MJ06, SROCFF03, SFVK06].

Efficient [And09, AST09, BLS08, BRDM09, BCL06, BY07, BCDW06, BST01, BIVC07, Bus00, CWJ07, CH01, CFR09, Che07, CSMH05, CSV00, DH04, DDF01, DGP00, FPC +00, FG00, GK02, HPS06a, HWL08, HBHS09, HPS +06b, JD04, JW09, KS02b, KB00, KB01, KAS08, LKE04, LCB09, LMS02, NJX08b, NZZ06, Ols07, OJW06, PHW08, PA07a, PC02, RH01a, RA09, Ros07, Sa02, SHS08, Sch08, SZZ01, ST1ST02, TK02, Tok06b, VCT09, WLT08, WZ03, X09, Y0k07, ZD00, vBRK01, AR08, BL04, BW06, BMT09, BJ09, BSLN09, BR09b, BH04, BP07, CLG07, CRAG07, CP06b, CP06c, CW08, CFG05, CWD08, DBF08, EKBL09, Fan08, FWR07, FCG05, GN07, GV06, GTMC08, Gri09, HNF07, HS08b, HWWL09, HDR +06, IH04, JRS05, JL04b, KK06c, KK05d, KK07, KR01, KSW03, KR09c, KS07, KLP +09].

efficient [LL09, Lar07, LLRP09, LZ06, MNR07, MBP07, NG06a, NMG09, RWMK03, SPB09, SWB +06, SF03, SE09, SY09a, TAL09, VPMC04, WT07b, ZL04, ZZ08]. efficiently [EKP06].

eigen [CJS08]. eigen-oscillation [CJS08].

eigenelements [LM08b]. eigenfunction [GKE04]. eigenfunctions [Hau08a, Hau08b]. Eigenmode [CL00b, DM00]. eigenmodes [DD05, LL04a].

eigenpairs [GB08b, Ovt08]. Eigenproblems [Boy02b, GG00].

Eigenvalue [AKV00, Mit00, BBD04, CC03, DL03a, NU09, SP05].

Eigenvalues [Mit00, Hab04, Heu03, VCT07].

Eikonal [LSZZ08, QS01, CT08b, FLZ09].

Einstein [BT03, BM03, BW06, BCL06, BS08a, CH06, CKLS05, CLS05].

ejection [KFV07].

Elaborating [vEB05].

Elastic [Bon00, BG09, GF02, HB02, LL00, LAS01, MC01, WP09, APT09, AK06b, BS08b, BCZ04, CLS +06, DLW04, DSW06, GH09, GFS08, HMMR04, HK08c, HS08c, IQT08, LS08, LP04b, TLL +08, TC07b, TC09b, XCY06, YAvdB +08].

Elastic-Plastic [GF02, HB02, MC01].

Elastic-wave [BG09].

elast [BZ04, ZVQ07].

elasto-plastic [ZVQ07].

elasto-thermo-viscoplastic [BZ04].
Elastodynamic [Gro00]. Elastodynamics [PKvdB00, CCV03]. elastoplasticity [SKS08]. Electric [CP03b, GG00, HR08, AvdB04, AINR03, GFG09, HPS06a, HF08a]. Electrical [CCT05, GKL00, HCG01, SPC01, IKL+08, LWW04, SMSS07]. electrically [AL06, FH03]. electro [KK03a, Mar06, WWC07]. electro-osmotic [WWC07]. electro-static [KK03a, Mar06]. electrocardiology [GGMN+09]. electrochemical [BP07]. electrodeposition [SS08, ZSB+08]. electrodynamics [BS05, BS06a, MG09]. Electromagnetic [BEPT09, CY00, CBB01, CP07, CL00b, FM06, HAA00, HKM07, Kan02, OMMG02, PL09a, S01, SFW00, Vay01, VQSZ02, A03, Bet08, Bot06, CJS08, CP03c, CT07, CSML06, DS09a, EG08, FCJ08a, FWR07, GH08a, Hoh06, KT06, LZL03, MRRS05, MFC06, NCW+09, OMK09, SHWC07, SC09a, VZSL07, Woo06, ZSW03, ZW05, ZH09, dSHHM05]. electromagnetics [Bér07, SCC09]. Electromigration [AIR01, AIR03]. Electron [HK00, SA00, SA02, BBF+08, DGM07, ED07, GS05a, GLS03, GM04, G04, GM06, HBS09, JP03, KB04, PPCW06, PA05, RRC05, SMSS07, dWKL07]. electron-molecule [SMSS07]. Electronic [CWWZ00, LCG07, TR02a, BCHL07, CGL06, HBS09, KKCF09, Küm04b, L07, VTM+08, WBM09, YMW06]. Electrophoresis [vHBB02]. Electrophysiology [Ota00]. Electroseismic [GH08b]. Electrostatic [BISS01, BZB00, GBS00, HF01, GS09b, KKD08, LSA06, LWW04, LCM07]. Electrostatics [GL06, AA07, GPVB07, XJ07]. Electrothermomechanical [LT09]. Element [BMR01, BW01, CHR01, CWT00, Cod01, Dur00, GM01a, GP00a, GHG01, Han00, HH02a, HCG01, LTZ02, MPP01, OM09, PX02, S01, Sta01, Whi00, WK01b, YM01, Z01, vdvV02, AH08, Ain04, AMR06, AG09, BAY08, BH04, BMN05, BGN07, BGN08, BGM08, BS04b, BBvdV06, BS03b, BS04c, BT06, BHV06, Boy04, BGD03, CJS08, CCG08, CLG07, CCV03, CL03a, CXZ09, CS07b, CLL+07b, CS08b, CJ04, CBH03, CQRW05, CHPR09, DR06, DW09, DGMN03, Dim07, DF04, DBB06, EGHE06, EE08, ÉGP09, FHW07, FEL+05, FK06, FHL008, FD03, FWR07, FWK08, FBHV05, Fou06, GPF03, GW05, GR08, GCCD07, GR07, GV07, GLN09, GLT07, HPS06a, HS09a, HZG04, HZG05, HP09, Hdg08, HY09, HY11, IDD04, IH03, Jar04, JBF07, Z08, JLL+06, KCH06, KW06, KR09b, KB08]. Element [Kuz06, KSS09, KS07, LFSS07, LW06, LJS08, LCM04, LL06a, LLZ07, LSS+09, ML08c, LNXNTX09, Liu09c, LY04, LJ07, MY06a, MZ08, MK08a, Mac07, Mad05, MWM03, MR06a, MGCR07, Mar09, MB04, MP03, MCN03, MDM03, NV09, NLL06, OVG07, PP09, PR04a, PvdV08, PR03, PR04b, Pon06, Pon07a, Pon07b, PR06, QP03, RBvdV08, RRW05, RFFP06, RJ04, SB06c, STD+05, SM06b, VW02, VCM00, WK05, WK04, WLT08,
Equation-based [Tuc03]. Equation-free [SKXK05].

Equation-free/Galerkin-free [SKXK05]. Equations [AGT02, ABGV02, Asl01, ACS00, BL09a, BC01, BCO01, BT02, BBR01, BCK02, BM01c, BZWO1, BS00c, BCM01, Cal02, Car02, Che00a, Che00b, CL01c, CKL00, CL02, DMGO0, DC01, DKKk+02, DDHO1, DF00b, DK02b, Dur00, FF000, FRO2, GTDO0, Giro0, GHWO2, GBg0M1, Han01, HH02a, HH01, HDOO2, HH02b, HW02, HF01, Hu01, Hua01a, HK01, IFZ01, JMK01, KLNk+01, KR02, KM00, KB01, KT00a, KT00b, LBVO0, LBVO1, LTKk+02, Lay02, LLIK01a, LLIK01b, LOK01, LCO1, LL01b, L01, Lin01, LMS02, MP001, MR02, Ma01, MCCT02, MC00a, MF01, MF00, MG02, MLS01, MOVL00, MPC01, MPC02, Myo01, NTYTO1, NTYTO2, Nyso2, Pan01, Pet01, Re100, RB02, SDS00, TWS02, VB00, VS02, WDM01, WPH00, WZ02, WK01b, WA02, WS01, XCO2, XK01, Xu01c]. Equations [Xu01a, Xu02b, YF01, ZYC02, ZCM01, ZSO1, ZDNP00, AS03a, AvdB04, APR09, APT09, AKVO0, AGT05, AB07, AMXL09, AEP04, An09, AI09, ACLS03, AG08, BQ09, BR09a, BFB08, BTH04, BLW04, BY07, BGN07, BG07, BCDR06, BV05, BB07a, BACF05, BES07, BFG08, BRC×09, BTT08, Ber04, BK08, BF07, BYZ04, Boe05, BB07b, BT06, BRP05, BJ09, BT07a, BHvdV06, Bot06, BS06b, BGLN05, BEPT09, BL03, CD03, CHH06, CVB06, CP03a, CHL09, CQ004, COQ06, CS05, CCJ07, Cha07a, Cha07b, CWL08,
CC07, CTT08, CS07b, CS07a, CSL08, Chu09, CJ07, CS03, CLS04, CY05, CT07, CFP06, CF06, CZVS04, CFP08, DR06, DJM05, DDSV09, Del03a, Del03b, DGH08, DR09a, DD09, DH07, Doh09, DLP08, Don08, DI09, DJTT05, DD03a, DD03b, DZ09b, DOW08, EHST03, EHS+08].

Equilibrium [BBG+02, SHWW00].

Equilibria [BBG+02, SHWW00].

Equivalent [LM08a, RE07].

Erratum [ABRR09b, CL08b, DKX01, DD03a, HMS08b, HT00b, HY11, HLWW06, JG07, Lau06, Mil07, NTYT02, PW01, Tol02a, WZL09b].

Error [Bar02a, CHR01, FK08, GKD09, KLN+01, LMK09, OV00, OP02, SDS07, XHC08].
ST03b, VD00, Yam01, CLMRP08, CC07, CY05, DL03b, Dur08, Dwi08, HGBH03, HNGB04, HS03b, KKO04, Lap04, MGS07, MK04b, Ngu07, PG04, RS09b, SVH+06, TWM07, WK06, OV00. **error-assessment** [MGS07]. **Errors** [FLG01, BBB08, CP06a, CM03, DL03b, GD06a, KLM07, PYC04, PM07, Vi08, VK09]. **Essential** [APQ03]. **Essentially** [Abg06, BS00a, WC01, WH02, BCCD08, CL06a, HAP05, TWM07, ZSWW03, ZWS06]. **estimate** [WK06]. **Estimates** [MP01b, OV00, HS03b, PG04]. **Estimating** [KS02a, KFIG06, RS09b]. **Estimation** [BCEG07, OV00, OP02, RM03, VD00, BS03b, CFS09, DLD+06, Dwi08, HMA05, IKL+08, KK09, LJS08, Ler06, MDJS07, Ngu07, PM08, Sti05, TPVG06, Zad08, vdDA06]. **Estimator** [TS01, LZ07]. **estimators** [SVH+06]. **ethylene** [GIA+07, GIA+08]. **Eu** [Myo01]. **Euler** [TR07, AEP04, AI09, Asl04b, AG08, BZW01, Car02, CS07a, CR09, CDV07, DDK06, DMG00, DDSV09, Del03a, DOW08, GB08a, GR04, Han01, HH02a, Hu01, Hu05, HLL08, HK01, IX07, IR09, JR07, JK00, KL04, KQW03a, KQW03b, Lee05, LFS07, LW07, LCS09, LBL06b, MC00a, MOG09, MG02, MSB07b, Nat06, NOG08a, PvdV08, Pop03, PGN08, RC09a, Rah04, RB03, RS06a, SFDL07, ST03a, TL06, TW05, VSW06, WM07, WM09, WKB07, WZ03, ZYC02]. **Eulerian** [AEP04, ALGM01, AV02, AHMS03, BALW06, BS00c, BR09b, CW03, DVHM05, Fed02, FLM08, FKK08, GT09b, GXW07, Her05, HG03, HPZ01, HH06, JX07, KM08, KMS02, LM04, LL03b, LQ09, LHZW05, LY04, LS05b, MC01, MC02, MCN03, OF02, OCK+02, QL04, RB05, RW05, SCW+09, SFW00, UTBV03, YA05, YFBH07]. **Eulerian-Grid-Based** [AV02]. **Eulerian/Lagrangian** [GXW07]. **Evaluating** [GHG01, RS09b]. **Evaluation** [GST02, HA08, Hau08b, KMJ01, LWEM00, MT04, PC02, RMG+09, Saf02, ABZ+08, BHS09, BO04, CRAG07, DMBS05, FT06, HO08b, KR09c, Lau04, Mar06, MG07a, PC08, VOD08, VBO8, VS07, WG08]. **Evanescant** [BV00, BP007]. **evaporating** [AJ09, SW08a]. **Evaporation** [HW08, LMS05, SS06b]. **even** [CTS07, RVM07]. **Event** [DGA08, ML04, OK06b, NZ07, Pau07, PA07a, ZZ09, VS09]. **Event-Driven** [DGA08, ML04, OK06b, ZZ09, VS09]. **Event-Driven/Time-Driven** [VS09]. **events** [MS08b]. **Evidence** [SS05c, BBC09]. **Evolution** [ATV01, AGH00, DC01, JW00, JW02, LLN00, LMSW02, Nie01, Set01, SR00b, AKLMP09, AINR03, BN07, Bey09, COQ06, CS08b, CP04b, CP05, DDD05, EN06, FM06, GFG09, JW03, KT05, KLM05, KN04, LZ09a, LMN07, OIs09, RR06, RS09, SR09b, VVV04, Wa04a, ZZ09]. **evolutionary** [DGRS08]. **Evolving** [CB01, ML05, BGN08, EE08]. **EVP** [Hun01]. **Ewald** [CW07, OJW06]. **Exact** [BDR09, BTT08, CGP02, EZ08b, Fou06, LBD02, NN04, Ten03, UH01, VS02, Zhe06, BCZ04, BDC03, DP07, Lau06, RS09b, Wag05, Wal03, XS05a, vZS07]. **Exactly** [NTYT01, NTYT02, FS09]. **Example** [PL01]. **examples** [Ran06]. **exceeding** [KWD07]. **exceptional** [LC06b]. **Exchange** [RH01b]. **exchanges** [PFSL07]. **excitation** [FK09b]. **excitation-adaptive** [FK09b].
Excited [FV01, BCL06, CGL06, Fra04]. excluded [LGP09]. execution [BDS07]. exercise [Kou07]. ExGA [MLSD07]. expanding [HDBW05, PK07]. Expansion [ADK02, Goe00, SSD00, VP00, AV03, BO05, GMH06, KYLB07, NCS03, PW07, Tak06, TPV07]. expansion- [NCS03].

Exclusions
[CL02, BRB03, FT05, GG09a, HLRZ06, LKNG04, SH07b, Tyg08, VS07, ZL04]. experience [BPS03]. experiment [OB06]. experimental [DGF09, NDG05, ZGSD06]. experiments [FHJK09, SSW+07, XSG08].

Explicit [DZ09a, GSD01, HK06, HJL09, KM06, KM07b, Kuz09, MLSD07, PH09, QM03, RB02, VG01, VCTS02, XCZ02, YP01, AHNS09, BBMB07, BB04b, BB07b, CSL08, DR06, FDD09a, FG07, GL09b, HR08, Jia07, JL04b, KCCH07, Lar07, Loı̈04, LGM08, MGS09, OK07a, PH06, PH08, Sha05, zS06, TDGP06, WG08, XJ07, ZSP08]. Explicit-Implicit [RB02, DR06, HR08]. explicit/implicit [TDGP06]. Exploring [Lou00]. explosion [WK04].

explosions [KS08a]. Exponential [CM02, BIS07, Kry04, Liv07, SI05, TWY06, TD07, Tok06b]. expressed [NG06a]. expression [Sha05]. expressions [OLA08].

Extended [BMS00, Vay01, FHLK05, GR07, HSZ04, KFHu04, KFIG06, KLK08, Nas08, WLK07, ZGT06]. Extending [CDJ07, DC07, WS04]. Extension [Boy02a, FM08, LVW06b, NBLQ09, Pop00, SBGK00, SWL06, WL06, CB03, MB03, WL04, WL02].

Extensions [HM00, HR07]. Extent [MM01, ABK09, Bor07, MG07a]. Extent [MM01, ABK09, Bor07, MG07a]. External [FGOV00, HAS05, HHC08]. Extending [WC08]. extraction [Hum05].

Extrapolation [TK00, Asl04a, CHL09, GS03a, RB06, WZ09]. extrema [CS08c, RGK07]. extrema-preserving [RGK07]. extremal [GB08b, Ham07]. Extric [VSMW01, CS05, FGS09, MS08b, SK08a].

extremely [TAL09]. Extrinsic [KYLB07].

F [LM03a]. Faber [BS06a]. Face [Jia07, SS09b]. facing [RFVP09]. factor [Kro05, NWZL08]. Factored [Boy02b, FLZ09]. factors [RMV03]. Failure [TWS02, EV03, PW07]. falling [GMD03]. Families [Tar08, Nic09]. family [BB04b, Boy03, CSGR08, EZ08a, FDD09b, MLSD07, RC09a, SK06, ZYHS07].

Far [BBW06, Fre00, HSK00, MP01b, HK09, SC07]. Far-Field [Fre00, HSK00, MP01b, BBW06, HK09, SC07]. fashion [KMM07a]. Fast [AS05a, BKM09, BD01, BO04, BK01, CY00, CdHST08, Dar06b, DFT01, EN06, FLZ09, GD06b, GD08, HAA00, HHCL01, HK08, Hoh06, KD08, LDN04, LI08, LG07, LBSu04, LQX06, LWEM00, LCCG05, MTV08, Mac01, Mar06, MS01, NL08, PRT00, SHW00, SDM04, Set01, SGC06, Str00, Str01a, TB09, Tyg08, VS07, WJ07, WA02, YC06a, ZS01, AL06, AB05a, Bar04, Bia03, BZ04, BPO07, BOK+06, CD07, COQ06, CR05, CHL06b, CCG+06, CJK+03, CWD08, CFR08, Dar02, DH04, DC07, EHD08, ED09a, GvH06, GG09a, GKD09, GV06, GH02, HSC09, HB05b, KQ08, KP04, KP05, LT05, LGK07, LSZ08, LC03, LCM07, MR05, MR07a, MR06b, NI03, OLLL03, PSP+08, RVVL09, SS09a, SWG08, ST06, SH07b, SP05a, SMP09].
SK04b, Tau07, Thö04, TC09b, TG08, VOD08, VBJ08a, VBJ08b. fast [VB08, WK06, YBS06, YBZ04, Yiu06, ZT07a, ZKL+07]. Faster [Hel09a, BPO07]. faulting [BIW04]. FCT [BHS09, Kuz09, LOK05]. FD [SL07a, Yu05b]. FDFD [CBB01]. FDTD [Bet08, CFJ06, DS05b, FK09b, POS00, Ren06, RK07, Vay01, Wel07, WC07, XCZ02, ZSW07, ZW04, ZT07b]. FDTD-compatible [RK07]. FDTD-methods [ZSW07]. FE [AT09, BFG08, MK04b]. FE-simulation [MK04b]. features [TZ06, TMD+08]. Fekete [BCEG07, BCE+09]. Feller [LLTA07]. FEM [BB07a, DHOT09, GQ00, KT04, Kuz09, LNXNTX09, MMS04, MR04, NZ05, YM07]. FEM-multigrid [DHOT09]. FEM-simulation [MR04]. FENE [LC03]. Fermion [BTFY01]. fermions [Bor03]. ferromagnetic [GCW07]. FETD [CL07b]. FETI [LJ09a]. Few [GHV00, HKS09]. Few-Cycle [GHV00]. Fewer [TRL01]. Fey [Noe00]. Feynman [BLL03, HvHHS05, PWW00, SS01b]. FFT [CXB08, DBF08, LG05, YAvdB+08]. FFT-based [CXB08]. FHNC [Hai04]. fiber [TG06]. Fibers [BV00, TS04]. Fictitious [BCM09, GPH+01, WT07a, BG05a, DGMN03, RAB07, SPT05, VMO07, YSW06, YS07b, ZW06, PP09]. fictitious-domain [ZW06]. fidelity [NT07]. Field [BISS01, Fve00, FGVO00, FV01, GW02, GKL00, HSK00, MR02, MP01b, OGM02, ST01, SSW01, AINR03, BCB03, BC03, BCDW06, BBW06, BEA09, BJ04, CERM09, Cha09, CW08, CEL06, DDSV09, DLW04, FYH+06, GFG09, HW08, HvHHS05, HKS09, HF08a, HX05, HWWL09, JOS06, KKS07, LCG07, LCB09, LW07, LJ07, LH05b, MZ07, MSP+06, NDG05, NLLE06, OK07b, PH09, RM07, SY09a, Sh07, SG03a, SB07, SS04, SCN07, TLK07, TBT+09, XM07, YFLS06, YHCD05, YZF+06, YZF07, ZDD09, ZST06, dWK07]. field-space-based [LW07]. Fields [DPCV02, GG00, GC02a, KMHR00, LWEM00, MN02, POS00, AV03, Bal09, DG09, DC07, DS05b, FCJ08a, GFG09, KB04, OLL03, SR09a, ST06, TET09, TXCD07, VOD08, VS07, XCD09, ZSW03, ZW05]. Fierz [MBM01]. fifth [GR04, HAP06, SM04, To107]. fifth-order [GR04, SM04]. Figures [DSS00]. Filament [ZP02]. filamentary [PSCB08]. Filamentation [DHG02]. filaments [ISS07]. filling [GS03b, Vol04a]. Film [CMK+01, DK02a, ZP02, GMD03, HKM08, MO06, NTB07, SA06, SRX07]. films [AIR03, ES03a, RRV06]. Filter [CCKGL02, PX02, PR01b, TR02a, H003, IKL+08, KFH+04, KFG06, KSJ03, KDC05, LX09, RMSB09, WC08, YS07a]. Filter-Based [PX02]. Filter-Diagonalization [TR02a, WC08]. filtered [MP07b, ZST06]. Filtering [FBF00, VCT07, BS03b, BB07b, BdCB09, CH08, CCKG04, ES03b, HM08, HV03, KCH06, W009]. Filters [AA02, GSD01, MVM02, ZW03]. FIND [LAHKD08]. Finding [FGVO00, FVO1, LY07b]. Fine [KM02]. FINESSE [BBG+02]. fingerling [LLL07]. Finite [AC00, ACY00, AE03, AKLMP09, BR09a, BC02a, BHL+04, BS00b, BMR01, BM01b, BT02, BW01, BS00d, Bla00, BP03, CL00a, CS01a, CP00, CH01, CBB01, CGS00, C0d01, DPCV02, DBB06, DF00b, DET08,
Dur00, FVOMY00, FHW07, FK06, FK07b, FK02, GHV00, GW01, Gro06, Gro07, GH08b, GV07, GLT07, HLS02b, Han00, HH02a, Hero0, IK07, JL02, JM00, KC00, KKC01, KT02, KM01, LLH02, LW06, LM01, LTH02, LM03a, LX07a, LMSW02, MP01, MP01a, MP02, MF01, ML01a, MST06, Nic00, Nik06, NC01, OGV02, OMG05, PM01, PML09b, PKP01, PS04, PK00, PS05, POS00, PL07, QP03, Rem00, SGK00, ST01, SC09a, Sou09, Stu01, TK00, TJ09, TT04, Tol02a, Tol02b, Tow09b, VCP00, Vas00, VCTS02, VG02, WPW02, Wan02, WL02, Whi00, WA02]. **Finite** [WB09b, YP01, ZZ01, ZH01, ZRR00, vvdVvdV02, APT04, APP07, AH08, Ain04, AMR06, AK07, AG09, AT05a, AT08, AKO09, BAY08, BS04a, BMN05, BGN07, BGN08, BGT07, BGM08, BAF07, BBe06, Boe05, BT06, BT07a, BT07b, BHy06, BK00, BK04, BJI07, BJI06, CG07, CH07, CL07, CHL07, CHL08, CDO07, CD07, CN05, CX08, CX09, CS07b, CEH09, CYS06, CI04, CS06, CS07d, CSK05, CR09, CQR09, CSML06, CGC09, CHP09, CZV04, CFP08, CUI09, CH08, DSM09a, DSM09b, De04, DR06, DBP08, DW09, DGM03, DS06a, DF04, DK07, DKT07, DBP08, Dur08, Dwi08, Edw06, E08a, E08b, E08c, FDO8a, FDD09a, FDD09b, FWR07, FM00, GPD07, GLM07, GR07, GLN09, GLO8, HPS06a, HBJ08, H09, HZGB04]. **finite** [HZGB05, HDP09, HLO08, Her09, HWe03, HMM05, HY09, HY11, HW05, H07, I07, IM05, IDD04, IQ08, JD09, Jar04, JBF07, JLT03, JLT06, JL09, JZ08, J06, JAK05, JM05, John05, Jor07, KW06, KTD03, Kim07, KPB08, KCK07, Kok09, KRO9b, KPP07, KPP09, Kum04a, Kuz06, KSS09, LSB04, LF00, LZ07, LVL05, LJS08, LZ09, LCW04, LL06a, LL07, LHC09, LPS04, LMS04, LSS06, LSSV07, LSV09, LV06a, LLTA07, LM08c, LNX09, LS09, Lij09a, LY04, L07, LMN07, L06, LHZ06, M06a, MK08a, Mac07, Mad05, MWM03, Mad06, Mai04, MLS07, MP07a, MR06a, MC07, MB04, MO04, MN06, MN07, MS07, MG07, MSG07, MS06, MC06, MC03, MR07c, MDM03, MV004, MT07b, MK09, NV09, NOBG08, NBL09, NLE06, NNP06, NXS07, OK06a, OSK09, OVG07, PAD07]. **finite** [PP09, PH06, PH08, PvdV08, PS08, Pir07, PR03, PR04b, P06, P06, RB06, RJ06, RBV08, RR05, Rom07, Ros09, RJ04, SROdP05, SK08, SJ05, SA08, SH07, STD05, SMS04, SY00, SS06a, SS05a, SL05, SZ05, STZ07, SMA08, SS03b, SS05c, SGG04, SB03, SC09b, SLW06, SR09b, SC08, TV03, Tan08, TM07, TD07, TDA08, Tor03, TA07, Tow08, Tow09a, Tal09, VPM04, WV02, VSW04, VSW06, VSZ07, WZ04, WLT08, WZ09, WZ09b, WZ07, WA08, WZ08, WF06, WS05a, XS06, XCR08, XS05c, XL05, YMM06, YS07c, YS08, ZF06, YS07, ZGT06, ZZ07, ZFM08, ZH09, ZHSS09, dSH05, dVGL09, dFS09, vDZ06, vBG09, Lab09]. **finite-band** [Dur08]. **Finite-Difference** [AC00, ACY00, CBB01, FVOM00, GH00, MF01, Nic00, Rem00, VCP00, VCTS02, VG02, W02, GH08b, IK07, Nik06, BG07, CDH07, CY06, HWW09, JAK05, KPP07, KPP09, LS09, MSP06, PAD07, PH06, Pir07,
finite-differences [Kum04a]. Finite-Element [BW01, CHR01, MPP01, LW06, CQRW05, DR06, HPS06a, HPD09, LJ07, SS06a].

finite-element/finite-volume [SS06a]. finite-energy [Mai04].

finite-frequency [TMND07]. Finite-Volume

[BM01b, CL00a, DPCV02, KK01, ML01a, OGV02, PS04, PL07, TT04, Edw06, EZ08a, HBJ08, HJ09, JLT03, JLT06, JI09, Kok09, LHT09, LJO6, MJS07, MG07, RJ06, ROS09, SS06a, SL07b, SC09b, XCRX08, ZH04]. FINT [LJSM08]. First [Ano05s, Boy02a, CR09, FV01, HH07b, HMMR04, BEE06, BCL06, CM07, Gro06, Gro07, Gui03, IM07, Jar04, NPH09, Nis07, ZY05]. First[ CR09, ZY05]. first-derivative [Jar04]. First-order [HH07b, HMMR04, IM07, NPH09, Nis07]. fit [AMSZ07, Mil05, Mil06, Mil07]. fitted [PS08, SS03a, YP06, ZKDT07]. Fitting [CVE02, Che04, Sur05, TWYC06]. Five [ACK02, MG05b, QA09].

Five-Equation [ACK02, QA09]. fix [Asl04b, HK04c, Ser09]. Fixed [RMO00, YSC01, AFG07, BL09a, BBH09, CHCOB09, DM07, Mad06, MS08a, MLS05, TZ06, TLM09, ZFM08, dFJS09]. fixed-domain [TZ06]. Fixed-Grid [YSC01]. fixed-mesh [CHCOB09, ZFM08]. fixed/moving [TL09]. Flame [CAL00, NFK01, BDR04, BDGL05, LLC06, MR04]. flames [MR04]. Flapping [ZP02]. FLAPW [YMF01]. Flexible [ZP02, AH09, EKBL09, HSS07, HUM05, LK06, MAD05, TS04, TS06, XYK05]. flexible-body [Yu05b]. flexible-cycle [XYK05]. flexible-order [EKB09].

flight [Liu09a]. flights [Pav07]. flip [ABRR09a, ABRR09b]. floating [YM07]. Floquet [DK06, TB00a]. Flow [APQ02, BBG02, BW01, BC02, CFA01, CS00, CPT01, CGSM07, CR02, CL02, DIV00, EF02, FV01, FGM07, GGG01, GPH01, Goe00, HLS02b, Han01, HGM00, JML01, JI02, KC00, KK01, Kl01, St02, LL02, LS02b, LKNG01, LRM02, LK01, Mac01, MN02, MK02b, MC01, MD01, Pa01, PR00, PG02a, PS01, PW00b, PW01, Poz01a, PO01, SBG00, SS02, SJ02, Sy01, Si00, Sum00, TC01b, TBE01, VDO0, Xu01a, Xu02a, ZT02, DSAN00, vBRK01, AM03, APT04, AH08, AK06a, ART04, Al08, AK05, AW04, AMP09, AT05b, BSH07, BKST09, BS08b, BF08, Bii05, BF07, BB04b, BSL09, BL03, BL04, BTW03, BP08, BP04a, BIV07, BGN03, BK07, BB09c, CL08b, CFF07, CRAG07, CR05, CFM09, CS05, CL07a, CL08b, CTO08, CMB07, CHBS04, CHP09, CS05, CZVS04]. flow [CGM07, DMP07, DS05a, DH0109, DM03, DD06, DT04, D605, DP07, DKS03, Dim07, DS06b, DF04, DND06, DCK08, EG06, ECL02, EL08b, EGP09, ES03b, FRS08, FS04, FK09a, FT06, FK07a, FL06, FCT07, GZ09, GMD03, GH09, GGF03, GS03b, GPP06, GC06, GG09, GD07a, HJ09, HL04, HP04a, HS03a, HS06, HER08, HN03, HY09, HY11, Hu05, HAI09, HT03, HLM06, Hu07, HSS07, HLY09, H006, ID04, IK07, JLT03, JD04, JLT06, JOS06, JX07, JC06b, JP03, JS05, KE05, KC06, KDF07, KAS06, Kok09, KSG09, KT07, LT03, LFX05, LK09, LKJ09, LKX04, LX07b, LY04, LR03, L04, LM03b, LSW06, LJ06, LMZ08, MC04, MTV08,
MPD03, Mac03, MT07a, MJT06, MSJ07, MP05, ME09, MT03, MCN03, MSB07a, MVO04, MDS03, Mou04, MDR07]. flow
[MGNB09, MG05b, NL08, NBLQ09, NJX08b, NJX09, OK05, OKZ07, PPD08, PP09, PS05, PWM06, PA07b, QLK07, QLS09, RC06, RFVP09, RM07, RW03, SM09a, SWG08, SGFL09, SWK06, SMS08, SLF08, SE04, SZS03, Shi07, SLC07, Shy04, Shy06, SS05c, SCRL08, SWL06, SRX07, TZ03, TOZP03, TM05, TBJ09, TT06c, TCM05, TDV06, TF03, THT08, VC03, VLB09, VV03, VQLZ04, WSY09, WFC09, WGNT06, Xia04, XK03, XH03, XMT05, Xu08, XHC08, YP06, YTY05, YC06a, YXLF05, YKK08, YF09, YE05, Zad08, ZSWW03, ZL04, ZKY05, ZWS06, ZVQ07, ZJ09, ZKS09, ZFM08, ZLAC05, ZL08b, ZD08, vOP04, vdV08]. flow-body
[Alb08]. flow-induced [SCRL08]. flow-polymer [CFM09]. flow-structure [LMZ08, ZFM08]. flow/structure [AK06a]. flowfield [KK05b]. Flowing [ZP02, CGL08]. Flows [BSJ01, BM01b, BMQS02, BL01, Bon00, CRK00, CRK01, CPK02, Cle00, Cod01, Cor00, CMOV02, DCV01, DK02a, DF00a, DLS00, EAY01, FS01, FG02, GSD01, GS02, GHG01, GW01, GM01b, GQ00, Hor02, JLCD01, JPM01, KKR01, LK00, LS00, MSY00, MPC01, MPC02, Nic00, Nie01, PWS02, PSN00, QV01, RH01b, Ros00, SAI02, SML02, SBGK00, SSD00, Sn01, Sun00, SB02, SP00, TSB01, TCM00, UMRK0, VDO2, VLMK02, VC00, WPM02, WK01a, WPW02, WLE00, WW00, WZ00, Xu01b, Yua02, vDV02, APP07, AK09, Ano04z, AMP09, AB05b, AMS03, BFB08, BHS09, BM06, BDHN09, BGM08, BALW06, BH09, BS04c, BCM09, BPL06, BLK04, BN09, BCI08, BHS07, BB08b, CPO05, CCG08, CGL08, CET09, CRRG04, CFL03, CHB09, Che03, CGL05, CJ09, CS06, CZ09, COER07, CDE06]. flows [CJ0704, CHCOB09, CL03b, CMR08, CP04c, DSM09a, DB08b, DF08, DP09, DGN03, DS06a, DSS07, DS09a, DDS09, DG03, DCM07, DBS06, FP08a, FP08b, FM05, FD03, FPT05, FL07, FD09b, FGP08, Fox08, GV08, GT09b, GW07, GBC06, GL03, GMD07, GS03b, GS05c, GM003a, GS03c, Gra06a, Gra06b, Gre04, GM004, GMS06, GAC09, GKV09, GR07, GS03d, GS09c, GLX08, HW08, HSO03, HAS05, HPD09, Hel05, HS08a, Her08, HM05, HV09, HK04c, HKAH06, HA06, HT03, HO03, IOTK04, JD09, JL04a, Jao07, JX06, JLI06, KSO05, KR09a, KH0108, KI09, KIHM09, KM06, KM07b, KK05c, KKO05, KB08, KAA07, Kro01, Kro02, LTH08, LL09, LG09, LSL08, LKP06, LK07, LL05, LP06a, LZ04, LS07, Li08a, LZ09c, LL09, LL06a, LF05, LMS08, LW04, LKO05, LW07, LCN07, LCO07]. flows [LM08c, LMK09, LD08b, LHO08, LHF05, LF04, LC03, LB03b, LBO04, LBL06a, LBL08, LMK09, LZH06, MM09, Mai09b, Mai09a, MLM09, MEK03, MKW04, MR06a, MM03, Mar09, MB04, MY07, MJ09b, MDB08, MLS05, MK06, MT08, MAL09, Myo04, NSC09, NOG08b, Neo07, NMG09, NMH07, NMH07, NJX08a, NC03, NPP06, NS05, NT07, Nov04, OF06, OTC08, OV07, OCF08, PD07, PDH07, PPD08, PSC03, PSC06, PN03, PH08, PFS07, PK07, Pon09, Pon06, Pon07a, Pon07b, Pop09, Pro05, Pro07, PS03b, PS07d, QA09, QS07, QP03, QM03, RB05, RM07, RVM07, RVDM09,
RWMK03, RJ06, RBS06, RMG⁺09, RF06, RMF09, Ros03, Ros07, RFVP09, SDG07, SNGAS04, SROCC03, SROCDPFF05, SC08a, SFDL07, SPB09, SAK05, SSB07, SE09, SS07a, SD05a, SD05b, SP05a, SFX03, SMS04, SY09a.

flows [SZC09, SS06a, SYC09, SSND03, SKXX05, SY03, Spe05, SK07a, SP06a, SZH07, SC09b, SFM06, SBC04, SSH07, SK03, TSL05, TLK07, TLL⁺08, TLK09, TJS03, TB06, TMB07, TSG⁺06, TT09, TMD⁺08, TC09a, TdAAP08, TW07, TS04, TS08, Uhl05, Utn08, VCT07, VCT09, VVS08, VNM07, VGBZ09, VD03, Vhl03, VBL03, Vol04b, WT07a, WAO⁺04, WWC07, WB09a, WS10, WWK05, Xia04, XAI06, XMP07, XPL05, XLLZ06, YZ07, YBT05, YXL05, YSW06, YS07b, ZGD03, ZRG03, ZR08, ZQX08, ZZ08, ZL09, ZSC06, ZSC08, ZH09, ZW03, dSMN⁺04, dTDI⁺07, vBK03].

fluctuating [SP04].

fluctuation [Asl04b, DPRN05, Ham07, Hub07, Hub08, KIH09, RDPN07].

Fluctuations [DDG02, LS02a]. Fluid [AMSZ03, BNV08, Bar02b, BW01, CPT01, CYK01, ELW01, Fed02, Goe00, HK00, HLS06, Har04, HF00, HPZ01, IYT⁺02, KFV⁺05, KLVVL02, LKNG01, LRN⁺02, Man02, MC02, MD01, RRL01, RR02, Shin01, Str01b, SP00, TC02, WLE⁺00, WW00, ZSP02, AS09, APT09, AD08, AKP07, AMS03, BQ09, BALW06, BL08, Bod06, BGS08, BG05b, CGL08, CR05, CVC03, CN05, CZ09, CC08b, CHP09, CBS05, CDV05, CDV07, CDL04, CDL05, DMR09, DDM07, DMP08, DF08, EJ07, Ed08a, EF03, FER08, FDD07, FGS09, FM04, FJ09, FL08, FKK08, GLA05, GA09, GCCD07, Gre04, GAC⁺09, GHOB, GGCC09, Hel05, HC09, HMMR04, HLRZ06, HG03, HAI09, IAT08, JJGL06, JJGL07, JLS04a, JBF07, KG09, KSH08, KG08, KJ09b, KDF07, KYK07, Lap03, LM04, LWP⁺09, LS07, LS09, LKY03]. fluid [LX04, LK05, LM07, LH07, LHG04, LHGG05, LH08a, LZH⁺07, MC04, MA09b, MA09a, MMS04, MPD08, MY03, MMB07, NM09, Pap08, PP09, PSC⁺06, PP04, PK07, QA09, RSW06, RFP06, RM07, SJ04, SPT05, SL07a, SL03, SH04, SM06b, SG03a, Sus03, TT09, TP07, TGB⁺07, TD06, TG04, VGB09, Vik03, WTL08, WWK05, WX06, YAM05, YJL⁺06, YU05b, YZL⁺06, ZKS⁺09, ZSC08, ZTP05, dSMN⁺04, vBK03, vLA0V06, vZdBB07].


fluid-soil-structure [SM06b]. Fluid-Solid [HP01, Man02, CVC03, JJGL06, JJGL07, MM04, NM09, Vik03].

Fluid-structure [BN08, KAP07, GA09, GGCC09, HC09, KYK07, LZH⁺07, Pap08, SPT05, SL07a, vLA0V06, vZdBB07]. fluid/flexible [Yu05b].

fluid/flexible-body [Yu05b]. fluids [RE05]. fluidized [Sar03]. Fluids [ACK02, CL01a, FS00a, FS00b, HLS01, PR00, BL09b, BL08, FCT07, HHC08, ICO04, KM08b, KKL04, Pvd08, RE05, Ren07, SPB09, SF03, SCW⁺09, VBL03, VBL04, XL07, YZL⁺06].

Fluorescence [FEL⁺05, FLE03]. Flux [Bet08, Edw00, EF02, HGN00, KP00, KT02, Lio00, Ros00, Sti02, AKLMP09,
BCDR06, CWYM08, CJ09, DQ04, Edw06, EZ08a, EF03, HS09a, IR09, JTL09, KK05b, KLLJ09, KT04, Kuz06, Kuz09, LSD07, MEKS03, MM03, MY07, Ols07, OK06c, QW05, QA09, RC09a, RBT03, SJD05, SMAj08, So09, ST03a, Tok06a, TAL09, VCCS04, XS05c, YHSX07. flux-conservative [OK06c]. flux-limited [Ols07]. flux-split [MM03]. Flux-Splitting [EF02, Ros00, EF03, MEKS03, QW05]. Flux-Tube [KP00]. flux-vector [DQ04, QA09, SJ05]. Fluxes [DLS+00, Bil05, BB07b, GLM07, QKS06, TT06b]. FMM [ON08]. foam [VC03]. foaming [YFBH07]. Fock [FHLK05]. Fokker [DDFT09, KB04, WO05, WO09, BC02b, CBKM00a, CBKM00b, Den07, DWLM09, FP02, Lem00, LC03, PRT00, UL06, XCRX08]. Following [Abg01, Ano85-50, SM09b, WS04]. Force [Deh02, LKMK09, LM03b, Töö02, AK009, BBF+08, Car09, CB07, DM03, FCD+06, Her08, HS08c, KKD08, Kim05, LC06b, LH05b, MZ07, SH07b, TTD09]. Force-coupling [LKMK09, LM03b, DM03]. force-displacement [VQLZ04, ZVQ07]. force-driven [VQLZ04]. force/work [LC06b]. forced [HLRZ06]. Forces [BCE+09, FPC+00, LL01b, PSN00, SZ01, BYZ04, HHC08, Ni09]. forcing [AWK07, Bz09, Dom08, FM05, PPB09, Uhl05, YS07b, ZZ07]. forecasting [Ano08-50, Jan08, LP08, SM09b, SK08b]. Form [Han01, PKvdB00, IAT08, LY07a, LMM+09, LB04, MESV09, PHW08, RK07, SH07b]. Formal [LP00]. Formally [Boy02b, CLMRP08, GHMP07]. Formation [DC02, HKV01, Nit01, BEA09, CLL07a, CGN+07, GPL05, GH08b, KW08b, YFLS06]. formations [LZ09]. forms [MAN+06, Tak06]. Formula [AGH00]. Formulae [FF02, YM01]. Formulas [GM01c, TR02b, WF06]. Formulation [Ano08-50, BRL02, BMQS02, BS04c, CRD02, DC01, Hua01a, HMK02, KB01, LLIK01a, LKNG01, MF00, SM09b, TRL01, VQS02, Wan02, vdVvdV02, AACC07, AKH06, BBC+06, BACFT05, Boc05, BRP05, BW07, BP04b, BMD05, BSP06, CQR05, CFR08, DMBS05, DB04, DBS06, Gla05, Gra06a, GAC+09, Gui03, GD07b, GK05, HLM07, H003, HMM07, IX07, IX09, IID04, Kim05, LSB04, LSJA05, LVW06a, LY04, LC06b, LBL04, Mad05, MP07b, NMM07, Pap08, PL09b, Pum09, PR03, PR04b, Pum06, Pum07b, PR06, SM09a, SMM09, SKS08, SS06a, SMP09, SP05b, SS05b, VNM07, VQLZ04, WK09, Xia04, XIA06, XJ07, XLP05, YB06, YA0vB+08, ZVQ07, dSMF09, LLIK01b]. Formulations [IK01, WK01b, Dem04, FHL008, GLT07, KG08, NV09, NZ05, SB06c, SD05a, VB09, WFC09, ZW06]. forth [DL03b]. Forward [UH01, AvdB04, LDW07, NSS03, RMG04]. Forward-Adjoint [UH01]. forward-trajectory [NSS03]. forward/reverse [RMG04]. FOSLS [HMM04]. Found [BS00c]. Four [LCS02, Saf00, Saf02, BUEG06]. Four-Center [Saf00, Saf02]. Four-Dimensional [LCS02]. Fourier [DK06, ZGSM06, AC05, BK08, BS04c, BTSM09, Boy02a, BRB03, Boy09, BHP07, CLTA07, Che00a, Che00b, CKGL02, CKG04, Eli02, Eli03, Eli07, FBHV05, Fou06, GTD01, GLLN09, HO03, IA06a, KDK+07, KS09, LS03,
LDL⁺09, MLFG06, Nas08, OLLL03, SSN09, SB06a, SS09a, SRNV07, SZLW06, TCN09, VB08. Fourier-sine [BRB03]. Fourier-spectral [FBHV05]. Fourier/finite [GLLN09]. Fourier [BRL02, CVB06, GBS06, Lai02, MG07a, PKP01, XCOZ2, YP01, Zha02, AV05, BC05, BGN07, CC03, CF09, GF05a, KKM08, LM08a, Nas08, SRX07, Hun08a]. Fourth-Order [BRL02, Lai02, XCOZ2, YP01, Zha02, CVB06, AV05, BC05, CC03, CF09, KKM08, LM08a, Nas08]. Fourth-Order-Accurate [PKP01]. Fractional [BRL02, Lai02, XCZ02, YP01, Zha02, CVB06, AV05, BC05, CC03, CF09, KKM08, LM08a, Nas08]. Fractional-Step [PKP01]. Fractal [WWVG00, AST07, CMP07, PC06a]. Fractals [SZ00]. fracture [LMH07, PKKL05]. fractures [TM05]. Fragmentation [Hew03]. frame [DDGS09, YGL05]. frames [AKH06, HMM04, KH07, PK07]. Framework [OCK⁺02, STIST02, Abr06, AJ09, AK009, BG09, DBTM08, FLM08, FCD⁺06, FMD⁺09, GZ09, HMA05, KOU09, PHKF06, PBH04, SPT05, TCO⁺04, TJKLT08, VP09a, ZG08]. Free Lagrange [HB02]. free-plasma [Hum05]. Freezing [JC02]. frequencies [KR09c, RMV03, WC08, OS01]. Frequency [CB01, DDF01, DFT01, ERT02, GKL00, HMM02, POS00, TK02, ACR08, BL09a, BCDW06, BO09, CJS08, CDHST08, DH04, DNS08, FLE03, JLOT05a, JY08, MBS03, MJ06, PL09a, PS07c, RKE⁺07, TET09, TMND07, WB09b]. Front-Tracking [JC02, TNG02, TBE⁺01, ZH01, CB09, DFG⁺06, Fun08, HSL08, LLPL07, LLGL07, KMO7a, MT08, SAM05, TZ06, TT09, WKB07, ZEA06, dSMN⁺04]. Fronts [JW02, Set01, LMS05, Vo04a]. Front-Tracking/ghost-fluid [TT09]. Fronts [JW02, Set01, LMS05, Vo04a]. Frozen [CS01c]. FRS [AMP09]. Freezing [JC02]. frequency [KR09c, RMV03, WC08, OS01]. Frequency [CB01, DDF01, DFT01, ERT02, GKL00, HMM02, POS00, TK02, ACR08, BL09a, BCDW06, BO09, CJS08, CDHST08, DH04, DNS08, FLE03, JLOT05a, JY08, MBS03, MJ06, PL09a, PS07c, RKE⁺07, TET09, TMND07, WB09b]. Frequency-Domain [CB01, CDHST08, FLE03]. Fresnel [YFS01]. friction [BIW04, BFF⁺08, HC08]. frictional [ZV07]. Friedrichs [KO04]. Fronts [JS01, GNN08, JC02, LS08, SJ02, TNG02, TB00b, TBE⁺01, ZH01, CB09, DFG⁺06, Fun08, HSL08, LLPL07, LLGL07, KMO7a, MT08, SAM05, TZ06, TT09, WKB07, ZEA06, dSMN⁺04]. front-capturing [CB09, dSMN⁺04]. Freezing [JC02, TNG02, TB00b, TBE⁺01, ZH01, Fun08, LLPL07, KMO7a, MT08, TZ06, TT09, dSMN⁺04]. Front-Tracking/ghost-fluid [TT09]. Fronts [JW02, Set01, LMS05, Vo04a]. Frozen [CS01c]. FRS [AMP09]. fuel [CKPW07, SXWX09]. Full [Edw00, HJKO08, ZH09, EZ08a, FCT08a, FM06, IITV07, LJW07, OX04].
full- [ITV07]. full-Burnett [OX04]. Full-wave [ZH09]. Fully [BN04, Bon00, BSW05, Dow01, HLS02b, MVO04, APR09, ALT08, AMP09, CL06b, CN05, Dim07, Fan08, HHMK05, JLT06, KT04, LC06a, LRZ04, MG07b, ODCK07, RVMK03, RSW06, RJM07, RSTB03, STD+05, SMP09, SC09b, WAO+04, WDO+03, YM07]. fully-implicit [Dim07, WDO+03].

Function [CHR01, GST02, hRT02, Bea08, BHNPR07, BKM09, Boy06, CWS07, CMSZ09, CTS07, DS06, DL03b, FP08b, GS06b, JSCZ08, Khe04, KAS06, LL04a, MP07b, MJ07, OJS06, Per03, RRC05, RK07, SC08a, SH07a, SCT06, Sme06, TB09, Tow07, TW03, WZ07, Wen07, ZJW06, ZC09, HRvdB07].

function-vorticity [LL04a]. Functional [FS00a, FS00b, Lou00, VD00, VD02, BT03, Chr03, ET06, FHW07, GMH06, HgKg08, PG04, SF03, VD03]. functionally [ZB07].

functions [BS00e, CY00, GTS01, Go00, MS01, RS00, Sa00, Sa02, AKLMP09, BZ08, CT09, CCJ07, ETT05, FB08, FW07, GG09b, HBHS09, HKS09, HS03a, IR09, JTL09, KMD05, KLW09, Kr09c, LM08a, LCW09, LJS08, LJW07, MLS07, MG08, MT07b, PLS+09, RC09a, RA09, Tow08, Tow09a, Tow09b, WF06, YZL09, Yin06]. Fundamental [BR01, BB08a, SY09b, YJF06]. Further [CKG04, SVB09, CM03, Hig05]. fusion [Jar04]. Future [Ano00q, Ano00r].

FV [AT09]. FV/FE [AT09].

G [LM03a, VP09a]. G-Scheme [VP09a]. GaAs [GS06a]. Gal [WS04].

Galerkin [Ain04, AB07, AKLMP09, AQ00, APQ03, BKST09, BC01, BC05, BDHN09, BRC+09, BS04c, BS01, BG05b, CKLS05, CC07, CELS07, CS07b, CS08b, CHG+07, CJ07, CLS04, CPF06, CR00, CHPR09, CBS05, DD09, DLP08, DF04, DBTM08, Eg07, ES06, FCJ08a, FCJ08b, FK07a, FOLD05, Gab07, GLM07, GLM09, Gel06, GFR09, Gir06, GH02, GR08, GLN07, HH02a, HH08, HA02, HEM00, HO03, IK01, JH06, KKH07, KvdVvdV06a, KvdVvdV06b, KvdVvdV07, KB09, Kri07, KL05, KWD07, KWD08, LGH08, LL01a, LSY04, LSJ05, LSS08, LSO0, LY06, LX07b, LNX09, LMG08, LZC04, LMSW02, LM07, LBL06b, LBL07, LBL08, Ma05, Mac07, MRC06, MY09, MESC09, MPP08, NM06, NL08, NPC09a, NPC09b, Pvd08, QS04, QKS06, QL07, RH01a, RBS06, RBVdV08, RC09b, SFE07, SMB09, SR09b, WM07]. Galerkin [WM09, WG09, WKG06, XSM07, XSO6, XS09, XS05b, XLS09a, YS06, ZQSD08, ZQ09, vdVvdV02, vdVX07]. Galerkin-free [SK09].

Galerkin-like [LNX09b]. GaN [GS05a]. Gappy [GS06]. Gas [BZW01, CR00, CR01, DC02, FS01, Gv02, HK00, KMA+01, LZ09c, LX00, OB02, Sa02, Sz01, SPC01, SB02, TX00, Xu01b, Xu01c, Xu02b, dSAK00, AK09, BPMR08, BS04b, BDC03, CFP05, CELS07, CJR04, CLO04, DDK06, DVM05, Fox08, GSO5a, GC06, HP04a, HH06, JX07, KKM08, KD09, KKA05a, KW03, LS04, LON04, LFO06, LLO7, LKW05, MEK03, MSJ07, Myo04, NFvS+06, OLA08, OK07a, RC06, Sam09, SH07a, SS07, SE09, SFX03,
SHY07, SY08, SS09c, SHPC09, SBC04, TXCD07, TT06c, UBRT07, VVS08, WTL08, WZ03, XH03, XMT05, XHC08, YHSX07, ZXQX08, ZRS06.

Gas-Kinetic [CKR00, CKR01, LX00, TX00, Xu01b, Xu01c, Xu02b, LZ09c, JX07, LF06, MSJ07, SY08, TXCD07, XH03, XMT05, XHC08].

Gas-liquid [DDK06, HP04a, LL07].

Gas-particle [Fox08].

Gas-phase [OLA08].

Gas-solid [DVHM05, HH06, MEKS03].

Gas-water [LKW05, WTL08].

Gasdynamics [Myo01, QCGQ03].

Gaseous [VG01].

Gases [SM05, VS09].

GASpAR [RFFP06].

Gauge [BU02, PS07d].

Gauge-Uzawa [PS07d].

Gauges [SS01b].

Gauss [ABHT03, AB05a, CLS05, KK07, VB08, WK06, WGCE01, ZHSS09].

Gaussian [ADK00, ADK02, BZ09, Cam03, Chr03, FG04, HMA05, KKS07, LQ08, TET09].

Gaussians [PC02, TB09].

Gautschi [BHvdV06].

Gegenbauer [Boy05b, Lur07, MLFG06].

General [ALT08, AG09, BLW01, CL01b, CRD02, DPCV02, Edw00, ELC02, LBD02, PW00b, PW01, AK06a, ADR08, Bar04, BRC+09, BP09, CDDL09, CWYM08, CEH09, DHOT09, DSI03, ERVE09, FLB03, GC03, GS06, GBS06, Her09, HR07, KA05, KPK09, KS08b, Kuz06, Lau06, LJ09a, LH08a, LGM08, Mac03, MS03, MJ06, MS04, MY03, NN04, RAB07, RCD05, RH05, SS05a, SP06a, XDB09, Yam05, YHSX07, ZH04, vdVvdV02].

General-Purpose [DPCV02, Kuz06].

Generalization [Ber06a, PS07a].

Generalized [BTFY01, IK01, Kro05, Lin01, LR01b, Mit00, My01, NL09, RM08, SKAS01, SS00, VSV03, VQS02, Yon01, AS07, AK09, AB09, AB09b, BSW03, BLW04, BS08a, BBDV06, CXB08, CJS08, CY06, FC08a, FC08b, FRS08, GH03, JMO4, LY07a, LS07, LX09, My04, PP09, ST06, SY07, SK04b, WFTS05, WGO8, WK05, WAH09, XK03].

generalized-Laguerre [BS08a].

generated [EES09, FNBB+08, MR07b, MS07a, S09a, WF06].

generating [FE04, GZ08, HVHS05, Nit05].

Generator [MDJS07, Aza06, KE09, WM03].

Genetic [HCG01, MK02a, RS02, KG05, MC03].

Genetic/Powell [HCG01].

Genuinely [GF02].

Geodesic [Gir00, TTSG01, JC06a].

Geometries [CL00a, CL01b, DDH01, KKC01, LMS02, Mie00, BWLM09, BYZ04, BS04c, CJ07, GCGE03, GN07, GBS06, GNO00, KB06, LV07, MCM04, MCGV04, MMPB07, MK06, PCD07, PC08, Pop03, RJO6, SROCP05, TAL09, YXL05, ZJWC08].

Geometry [ART02, CR00, Lai02, LBV00, LV01, OS01, PW00b, PW01, AMSZ07, BAF09, BT08, BBW06, BP04a, CGRGV+04, CR05, CP07].
GIA+08, HSZ04, Jao07, KZKY09, LG04, ML05, ML06a, Mai09a, MS08a, ORM06, OPML07, Pro03, RB09b, SP06a, TF03, XSG08]. geometry-aware [ML06a]. geometry-based [CR05]. geometry-compatible [BAFL09]. geometry-dependent [ML05]. Geophysical
[Bar02b, RFFP06, FD09b, PS03b]. Geophysical-astrophysical [RFFP06]. Geostrophic [FR02, MPD03, TRSK09]. Gerris [Pop03]. GeSEM [CJSS08].

GFD [CYS06]. GGB [WFTS05]. Ghost [Fed02, LKY03, BF08, DMP08, FRS08, LWK05, MMBP07, TF03, WTL08].
ghost-cell [TF03]. ghost-fluid [MMPB07, TT09]. Gibbs [Boy05b, JS07].
Gilbert [dSM05]. Ginsburg [DDG02, RSS09]. giving [TW05, TR07]. GKS [GLLX08]. glass [Th04]. Glimm [Min07].
glitch [Tan05b]. Global [DS00, LRMB08, RT01, BG07, CGM07, Ge06, GD05, LJS08, MC03, NLS03, NLE06, SMT+08, THN+07, WFTS05, WDO+03, dDEK09, ADK02].

Globalization [BB07a]. Globe [LR01b]. Globular [DPRS01]. Glow [hLA01, SS04]. GMRES [GKL00, NOG08a, TWS02].
Goal [BTWGvBW07, OVO0]. Goal-Oriented [OV00, BTWGvBW07]. Godunov
[AT05b, BSCH07, CIR04, CCF+05, FF02, GS05b, GS08, GR04, Gu02, HB02, LD04, MN09a, MP05, MC01, Min07, MC07c, PK03, SWK06, SZZ01, TB06, TF06, Xu01c, vBK03]. Godunov-type
[AT05b, CJR04, LD04, MN09a, PK03, TB06, vBK03, Gu02]. Good [Vas00, ZYHS07]. Gordon [BY07, HJL09, HZ08, RBK09].
GPU [ELD08b, PVS09, YW02].

graded [H008a, MG06, MG07d, ZB07]. Gradient [JLDC01, JTB02, PKvdBH00, Whi00, ZCM01, AMLC08, CL08, DEHL06, Fen06, JBHK08, KDF07, Kiim04, Ovt08, S09, RBT03, Tok06a, Tow09a, Yan09].

gradient-dependent [JH08]. Gradients
[HGN00, Cho05, DL03b, LP06a, ML05, Pro08, SNL03]. Grain
[KAIN01, CP04b, ES03a, EES09, SW04a]. Grain-Boundary
[KAIN01, CP04b]. grained [IM07, KMO03]. Granular
[CB02, TNGH02, FPT05, KD09, SM05, Vo04b, VQL04, ZV07, ZD08].
granular-flow [VQL04, ZV07]. granular-gas [KD09]. graph [LQX06].
grahics [ALT08, GD08, KWBH09]. grating [DBB06]. gratings
[BH03, BS04a, BS05]. gravitating [Byd02]. gravitational
[DHM03, NB04, TXCD07]. gravitationally [GBC06]. Gravity
[BTFY01, Cha09, DQA08, GB08a, KS07, VBL04]. Green
[BKM09, CY00, CWJ07, CTS07, DSB06, FDD09a, JSCZ08, KR09c, MLSD07, MRR05, OJW06, PLS+09, RK07, SCT06, dHRvd07]. grey
[DL04, ED07, MYS07]. Grid
[AJL01, ALGM01, AV02, BDL01, CL00a, Cal02, CR02, DC+01, DDH01, FH00a, GG00, HI07b, HLS02a, HLKS00, KTO6, KKR01b, LP02, LLQ+02, MCJ01, Par02, RW00, RMO00, SMDP01, SY03, SM000, TSG01, TG02, UMRK01, VD00, VD02, WZ00, XCZ02, YMO1, YCO2, YSC01, dSAK00, vdVd02, AC09, Aza06, GMB08, BS04b, BCM+07, CL06b, CP06b, CP06c, CK08, CGKM06, CSML06, CK07, DMHP07, DCF+08,}
DTMS06, DG09, FS04, FL03, GZ07b, Gro06, Gro07, HZGB04, HZGB05, HC09, Her08, JX06, JX07, KE06, Kau03, KZWT09, KAK03, KAS06, Lap04, LZ07, LZ09b, LZ09a, LR07, LKMU05, LQX06, LSW08, LRS09, LBL06a, MZ09, MWM03, Mad06, MKL05, Men04, MZ07, MD06, MHE06, MV08, MK06, MO06, NMM07, OK06a, PS03b, RW03, SS03a, SROC4PF05. grid [SBCL06, SMS04, SZ05, SS07b, SS05b, SP06a, ST03b, TJS03, THL06, Thu08a, TU04, VD03, WW04, YMT04, YU05a, YXLF05, YSS05, ZG08, ZT03, dTDI07]. grid-alignment [BGM08]. grid-based [CP06b, CP06c, MO06]. grid-free [BS04b]. Grid-Optimized [CL01b]. gridfree [SC08a]. Gridless [OC08, KL04, LBL06a]. Grids [BE02, Car01, DV02, DPCV02, DI02, Edw00, FGG01, GZ01, GHV00, GW01, GC02a, Gir00, HLT02b, HH01, HV02, HA02, JK00, KC00, LM01, LLDIP00, SZ00, TC01b, hRT02, Wan02, WL02, ZT02, Aza07, Aza09, BAYJ08, BFR08, BSJ07, BHSS09, BMT09, CV03, CW03, CMG09, CEH09, CYS06, CSL08, CSK05, CT07, DSM09a, GS09b, GSB03, GF05b, HWL08, HW03, HNF07, HKG08, HS03a, HS06, HS08a, Her08, HHMK05, IA06b, JH06, KK05a, KKCF09, KK03b, KPK09, Kok09, KPP09, KDW08, LSB04, LLY05, LVL05, LM03a, LCH03, LJW09, LVW06a, LVW06b, LLB05, LH08a, LS05b, LBL06b, LBL07, LBL08, MS03, MHT06, MGC06, MG06, MG07d, MCN03, MCM03, ML075, NE05, OSK09, PS04, PS08, PSM08, PL07, Rem06, RRW05, RWWS07, RB05, SB06c, SS05a, STZ07, SPGR06, SWL06, TZL05, TRSK09]. grids [TDGP06, TMG08, VGL09, VSW04, VSW06, WZL04, WG09, WA08, WdND06, XLS09a, XLS09b, YJL06, YY06, ZT07b]. Grooving [KAIN01].

Gross [BIJ03, CORT09, CJ03]. Ground [BT03, FOGV00, BCL06, CORT09, WOO06]. Ground-state [BT03]. Ground-States [FOG00]. Groundwater [MBP00, WGNT06]. group [BF03, BMK06, HJFW04, San03, Har04]. group-III [BMK06]. growing [Mad06, MM07]. Growth [CMK01, GW02, GGL01, JK02, RV00, BHL04, CL07a, CF06b, DQA08, EES09, HLT06, LB03a, ML05, ML06a, MG07, NDD05, PSC03, RS06b, SSO03, SA06, Sus03, T02, WLT08, YF07, ZVHP03]. GRP [BALW06, BF07, LLS09]. Grüneisen [Sly01]. GSHMC [AR08]. guess [TDV06]. guesses [BHL07]. guiding [Mot08]. Gyro [BB09a]. Gyro-water-bag [BB09a]. Gyrokinetic [KP00, Par02, BB09a, CW03, CP03c, CP07, HMK07, HJK08, IITV07, LGKP07, NLE06]. gyrokinetic-Maxwell [CW03].

Haar [LKG04]. Haidvogel [SM09b]. HALE [AHNS09]. Half [DK02b, TF04]. Half-Moment [DK02b]. Hall [CK03, ODCK07, TMG08]. Hamilton [BL03, CQ04, CC07, CS07b, CY05, FF02, KOQ04, KOQ08, KR02, KT00b, QS05, TT03]. Hamiltonian [JW06, BM01c, BR05, CKL00, GAC09, LY07a, Re00, Tan05a]. Hamiltonian-preserving [JW06]. Hamiltonians [ESD05, KJ01]. Hancock [Waa09]. Handling [FP00, BOT05]. Hard
hard-particle
[WB01, DTSC04, DTS05a, DTS05b, DST07a, NFvS+06].

hard-sphere [DTSC04, NFvS+06]. Harlow [Bra04]. Harmonic
[CKGL02, KMHR00, LTZ01, SS00, APT09, AG09, BRDM09, BS01, BHM09, BSH09, BRD09, BnCB09, BBCT09, Boy06, BS01, BH04, BHP07, BIP04, CJS06, Cap06, Cap07, CQO04, CK03, CTS07, CT09, CS07a, CTK00, TW00, TW00, TV06]. harmonics [KL06, WJV07]. Hartmann [HY11, HY09]. Hartree [FHLK05].

Harmonic [CKGL02, KMHR00, LTZ01, SS00, APT09, AG09, BRDM09, BS01, BHM09, BSH09, BRD09, BnCB09, BBCT09, Boy06, BS01, BH04, BHP07, BIP04, CJS06, Cap06, Cap07, CQO04, CK03, CTS07, CT09, CS07a, CTK00, TW00, TW00, TV06].
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interface-sharpening [CET09]. interface-tracking [BR09b]. Interfaces

Interfaces [ACK02, GLa01, SZ00, Str00, Str01a, TK02, AS03b, AMS03, BS08b, BL09b, CD03, DS08, GLL03, Gre04, Hel05, HL05, HST09, Jia07, JY08, Kro02, LL07, LP04b, ML05, OK06a, PP04, Sam09, SPB09, SS08, TLK09, TT09, UTBV03, XD07, YJ06, YZW07, ZW04]. Interfaceal [Dim07, Poz01a, THL06, BB04a, CL03b, Fan08, Fuji06, HW08, JY08, KYLB07, Kro01, LTH08, ML05, OK06a, Pop09, Tan08, WB09a, XLLZ06, YZF06]. Interfacing [FK09a]. intergranular [AIR03]. interlocking [SK07b]. intermolecular [SB09]. Internal [HLKS00, BBC06, Hew03, HK04c]. Interparticle [PM02]. Interpolants [GW01]. interpolated [IAT08]. Interpolating [FH03, CGSR08, HL04]. Interpolation [BR01, GC02a, Gui02, LSV09, Par02, TK00, YXU01, BP06, CP04a, CL08c, CLS09b, MS03, SZ05, TB09, TW03, UYK04, WG08, WG06, ZW06]. Interpolation-free [LSV09]. Intersecting [RMO00]. intersections [LJSM08]. Introducing [BBR01]. Introduction [Bra04]. inundation [Geo08]. Invariant [BU02, KE09, vBK03]. invasion [SL07b]. Inverse [BHL07, Bor00, CSV00, IFZ01, LR10b, TK02, Avd04, BL09a, CT04, CBG109, CD09, GL03, HO08a, Hoh06, JS07, KG05, KNH05, Lee07a, LAKD08, MRN07, MN09b, NLT07, VP09b, YY09, ZG08]. Inversion [JZ08, Mac00, CSMH05, DD05, HPS06a, HS07a, Kry04, PS08, RR07]. inversions [To10]. Investigation [APQ02, BCZ04, MP03, CD04, CET09, KY08, LC06a, NTB07, PSCQ03]. investigations [TB04]. Inviscid [CRK00, CRK01, VD02, XU10b, vdVVe02, BDHN09, BP04b, BB08b, CLB08, CTT08, DF04, DS09b, FCT07, GXW07, GGF03, Kro02, NOG08b, NJX08a, NS04, SDO08, Xia04, Pro05]. Involving [KJ01, SO01, LKP06, MS08a, MR07a, ND04, SC09a]. Ion [OL01, EDO7, GLS03, GIA07, GBB06, Hum05, SDD07]. ionic [BS05, DC07, XDC09]. ionization [RHP09]. ionized [Kwo08, MD04]. ionizing [AM05]. ions [BBF08, Kwo08, XJ07]. Irregular [CL00a, Cal02, GFC02, GC02a, LFK00, MCJ01, TS02, vDSe00, BS08, BP07, CGRGV04, HW07, ILL09, JLM05, LF05, MG07c, SROCoP05, SSO8, VTT08]. irregularities [HMM08]. irrotational [CL06a]. isochoric [XMP07]. ISOD [RB03]. isolated [KK03a]. isopycnal [WAH09]. isosurfac ing [Min03]. isothermal [DHOT09, Mig07]. Isotope [OL01]. Isotropic [BC02b, CL08c, KUM04a, LP02, KMSH08, YSO07, YGL05]. Isotropy [Hua01b, ZSC07]. isovalue [RB03]. isovalue-oriented [RB03]. ISPH
issue [Ano07-27, Ano07-28, Ano07-29, Ano07-30, Ano07-31, Ano08-35, Ano08-36, Ano08-37, Ano08-38, Ano08-39, Ano08-40, Ano08-41, Ano08-42, Ano08-43, Ano08-44, Ano08-45, Ano08-46, Ano08-47, Ano08-48, Ano08-49, Ano09-49, Ano09-50, Ano09-51, Ano09-52, Ano09-53, Ano09-54, Ano09-55, Ano09-56, Ano09-57, Ano09-58, Ano09-59, Ano09-60, Ano09-61, Ano09-62, Ano09-63, Ano09-64, Ano09-65, Ano09-66, Ano09-67, Ano09-68, Ano09-69, Ano09-70, Ano09-71, Ano09-72, HJJ09]. Issues [Ano00q, Ano00r, Hun01, FL06, Thu08b, WZL09a, WZL09b]. iterate [AMXL09]. Iterated [SS09c, Wel07]. Iteration [BEPT09, MYW07, Ovt08, YLD09]. Iterative [AMXL09]. 

J [ABRR09b, CL00a, DD03a, HMS08b, HY11, HLWW06, JGL07, Lau06, LM03a, MKM04, MN17, Mil07, SM09b, SCC+03a, WZL09b, dTWD09].

Jacobi [BPS03, BL03, CQO04, CP06b, CC07, CS07b, CY05, CL00b, FF02, Had05, KOQ04, KOQ08, KR02, KT00b, QS05, SR09a, TTZ03]. Jacobian [CBKM00b, CZ09, CSV00, K04, KMS02]. Jacobian-Free [CBKM00b, CZ09, K04]. Jacobians [Cha09], jammed [DST07a]. jamming [DTSC04]. Jet [ZKW01, DB04, LL06, YFLS06, YSS05]. jets [Cha09]. jetting [YSS07]. Joint [JPMC01, AJ09, RJ06]. Joule [DMR09]. jump [MDJS07, RC06]. jumping [LHZW05]. jumps [RAB07]. junction [LMH07]. June [To02a].

Kac [LL03, PWW00]. Kalman [IKL+08, KF04, KFG06, LX09]. Kantorovich [DFC+08]. Karhunen [BP04a, ST06, ZL04]. Kármán [YKG04]. KdV [Dur08]. Keller [PS07a]. Kelvin [CPG04, KTD03, Pr08]. kernel [DDL+06, MRRS05, SL06, YBZ04, Y06, YH07]. kernel-free [YH07]. kernel-independent [YBZ04]. kernels [CGSR08, GvH06, HX05, Lau04, TMND07, W06]. Kerr [de 00]. Kershaw [FM08]. Kind [GST02, Gui03, JR03, JR04]. Kinds [Boy02a]. Kinematic [TF06, BK07, LL07, Pon05, XSG04, XSG08]. kinematics [BST03, LTC07, L09a]. Kinetic [CKR00, CKR01, CL01a, CHBS04, Del02, DQ04, FL06, HK04c, KK00b, KQW03a, Lap02, LM08a, LX00, Ohw02, San01, TX00, TRL01, Xu01b, Xu01c, Xu01a, Xu02b, ACGV07, BHM09, CL07a, CBC09, CV06, CP03c, CELS07, CJ09, CD04, CDL05, DJM05, DDM07, ELVE07, Fox09, GC06, GBB+06, HM09, HSS07b, JX07, KK05a, KQW03b, LGKP07, LZ04, LF06, LZ09c, Liu08, MMKP08, MSJ07, NJX08b, NJX09, OX04, OK04, OF06, QW05, QA09, RCT07, RSM05, RS06b, SSE03, Sch08, SHY07, SY08, SA06, SS06b, SC09b, SK07b, TDWY08, TXCD07, TKH09, VK05b, WX07, XH03, XMT05, XHC08, YHSX07, ZSB+08]. kinetic-fluid
[CDL05, DDM07]. kinetic-hydrodynamic [CELS07]. kinetic/fluid [CDL04]. Kinetics [MOV00, SD00, BHL+04, LGP09, Lap03]. kinetics-based [Lap03]. Kirchhoff [GPL05]. KIVA [TT06c]. KIVA-4 [TT06c]. Klein [BY07, HZ08, HJL09, RBK09]. KMC [RMGK04]. knot [JC06a]. knots [MR03]. known [KZWY09, Lab09]. Knudsen [KPB08]. Korteweg [CM07, LGK06, LY06]. Krig [GSK06]. Krylov [BB07a, BT02, BEPT09, CBKM00b, CS08a, CZ09, FWP09, HJM07, JH08, KM00, KK04, MYW07, MKR00, NOG08b, SNGAS04]. Krylov-accelerated [CS08a]. Krylov-Based [BT02]. Krylov-subspace [BEPT09]. Kuramoto [CF08]. Kutta [HyLL07, ZP06, AHNS09, Bal08, BP09, BS01, CFR04, Dri02, HL06b, KCGH07, KV01, KWD07, KD08, LX07b, QS04, QKS06, QL07, Rei00, ST07b, Tan05a, ZQSD08, ZQ09].

LA-UR-03-3852 [Har04]. laboratory [BvdHKG07, Har04]. Lacunae [QT08, Tsy04]. lacunae-based [Tsy04]. Laden [WK01a, JD09]. lag [MKK06]. Lagrange [BG05a, DDK06, DLMK04, Gir00, HB02, SPT05, VMN07, ZSP08]. Lagrange-distributed [WZ07, Boy06]. Lagrangian [NTYT02, Tol02a, AA07, AH08, AEP04, ALGM01, AHNS03, BG07, BBC+06, BS08b, BS03a, BL+08, BR09b, Bon00, CRB00, CL06a, CFF07, CDL09, CS07a, CJR04, FF02, FP08a, Fed02, GT09a, GT09b, GXW07, GHB03, GPF03, GCCD07, GB+06, GD05, HK05, HK08c, HPZ01, IX07, Jao00, KMS08, KMS02, LS03, LHZW05, LCS09, LY04, LS05b, LC06b, LSW08, LRS09, MAM09, MA09a, MGHH00, MP08, Mca04, ML01b, MDM03, NSS03, NTYT01, OF02, RB05, RBS06, RWWS07, RCB05, SM09a, Str00, Str01a, TOY09, Tol02b, TJLT08, XY01, XK01, YS007, Ya05, YF007, ZWS07].

Laguerre [BS08a, BRB03]. Laminar [BCVK02, VBL03, BC08, BEG03, CFL+03, FGP08, GLXX08, LLC06, MR04, MAL09, RFVP09]. Laminates [Wei02]. Lanczos [CKLS05, Bor00, BS05, JHZ+09, SHS08]. Lanczos-type [JHZ+09]. Land [GKL00, KJ09b]. Landau [BC09, BC02b, DDG02, DDF09, FF02, HZ02, Lem00, PRT00, RSS09, ZZ08, 4SM05]. Lane [PSD09]. Langevin [BLW04, DEHL06]. LANS [HHPW08, PHW08]. LANS-[HHPW08, PHW08]. Laplace [GF05a, HZ07a, HSQ03, HW05, Kry04, SSN09, SY09b]. Laplacian [AHPT07, PAD07, Pou05]. Large [ATV01, BADG00, Ben02, Bor00, DF00a, ELDO8b, FLG01, FG02, Gui02, KS02b, KK00a, KDC05, LL+02, ME09, PPC00, TSB01, TR02a, ZWL02, AHNS09, AL06, AD04, BPS03, BBO8, BS03b, BS05, BTWGvB07, CF06a, CGDT09, Cho05, CM03, CSKD05, DT03, DSS07, DS09a, FDD09b, FHO3, FKK08, Gra06a, Gra06b, HBLD07, Heu03, HP04b, IOTK04, KS03, LZL03, LVL05, LP06b, Liu09c, LDV08, LJ07, MCM04, ML09, MGS07, MDM03, MBP07, MMPB07, MV08, MD08, NL03, PDHP07, PYC04, PM07, RMG-09, SSW+07, Soc03, SFMP06, TS03, TMD07, TS06b, TC09b, VK09, VTM+08, XLP05, YZ07, YB06, ZSC06].
large-amplitude [CF06a]. Large-Eddy
[KK00a, ME09, PPC00, TSB01, KDC05, BBB08, CM03, CSKDO5, DS09a, FDD09a, FDD09b, HBLD07, LDV08, MCM04, MLMO9, MGSO7, MBPO7, MPMB07, PDHP07, SSW+07, TSB03, YB06]. Large-Scale
[ATV01, BADG00, KS02b, ZWL02, BSW05, BTWGvBW07]. large-step
[AHNS09]. Large-Time-Step [Gui02]. Large-Wave [DF00a]. Laser
[DGH02, DNS08, DDGS09, GHB03, HDBW05, KSHSO8, LDL+09, Sau04]. Laser-plasma [GHB03, KSHSO8, LDL+09]. late
[CL07b]. lateral [JK09b]. Lattice [BTC05, BLV01, BdLL01, Del02, DC02, FH00a, FH00b, FSM+01, GSO3b, Gu00, GSW00, HDC02, HHL00, IYI+02, LL03a, LLQ+02, MSYLO0, MHS02, MAL09, PR00, RSMBO9, SS05c, Sun00, VLB09, XH03, vdSE00, AST09, AL08, ABZ+08, BKS07, BYSO8, CA06, Del03b, DCK08, FG05, FM04, GM04, Gos04, GM06, HvHS05, HNGBO4, HHCO8, ISNY05, IOTK04, IF09, JKL05, KY08, KMOV3, KBPO8, LLP07, LL03b, LL05, LCO6, LT09b, MRS09, MR07c, NCS03, PL09b, PSCQ03, PSC04, PSC+06, PA07b, PP09, RSM05, SCT09, SPT05, SLCO7, SS03b, So09, TBJ+09, VCG03, WCC07, WS09, YZ07, YGLO5, YFO9, ZK05, ZSC07, ZSC06, ZTPM05]. Lattice-BGK
[FH00a]. Lattice-Boltzmann [HHLO0, BKS07, PA07b]. Lattices
[vdSE00, CLL07a]. Law
[FGG01, VPA02, De 04, ĖGP09, FS06, GD07a, LLZ07, MY06b, Mil06, Mil07]. Laws
[As01, BJ00, CDK00, CRD02, FMO00, GC01, KT00a, LL00, Noe00, St02, TS01, Wan02, WL02, YL01, AKLMP09, BAFLO9, BBCT09, BCCD08, BP03, CLG07, Cap08a, Cap08b, CT08a, CP08, CGKM06, CD07, CK07, DET08, Edw06, FS09, GV07, Gu05, Hub07, JR09, JTL09, KT05, LL03c, LWV06b, ML08, MII04, PDL09, RLZ03, RCD05, SW04b, SYG06, SWL06, SZZW06, SR09b, Tak06, TT04, TT05b, TT06a, TT06b, TSH07, VCS04, WZL04, WG09, vDZ06]. Lax
[KQQ04, LCS09]. Layer
[DC01, Hu01, Hu05, Str01b, Vay00, Vay02, AK06b, AC09, BHNPR07, CRRG+04, CLL+07b, GKD09, H005b, HLL08, MT07a, NK08, RJ04, ST04, Tau07, Zhe07, ZTO3]. Layered
[Hig02, AC05, And09, BFT09, Hig05, IQT08, SCT06]. Layers
[Bal02, ELV01, GZ01, PPC00, TC01a, BFJ03, DH07, Doh09, FE04, GGOBO4, LP06b, Nat06, Rah04, SJHM09, SP05b, ZGG03]. LBB
[AGP01, CHPR09]. LBE
[GLX08]. LBM
[SL07a]. LDAF
[WZ07, Boy06]. leaf
[Dic08]. leaky
[ZK05]. least [BCK09, RE07]. learning
[Kou07]. Least
[Cap09, PG02b, AMSO7, BT05, BT06, BP04a, CS090, D09, GSO3a, GNNO8, HV03, HKO8a, HMRO4, HLMO7, HDGKO8, HY09, HY11, KHO9, NCS03, PR03, PR04b, Pon06, Pon07a, PR06, SL07b, VB09, ZK05]. Least-Square
[Cap09]. Least-Squares
[PG02b, AMSO7, BT05, BT06, BP04a, D09, HV03, HKO8a, HLMO7, HDGKO8, HY09, HY11, KHO9, PR03, PR04b, Pon06, Pon07a, Pon07b, PR06, ZK05]. Lebesgue
[Hei05]. Legendre
[AQ00, APQ03, Boy03, Boy04, CDI09, KOQ08, KT03, PS09, SS01a]. Legendre-pseudospectral
[Boy03]. Legendre-transform-based
[KQ08]. length
[AKP07, JG09]. Level
[As01, BCM001, CT04, CBG109, CMKO1].
CBMO02, Cho00, EFFM02, HMS08b, Hig02, KAIN01, KLvBvL02, LLdlP+00, MS08a, OF01, OS01, OCK+02, PS01, SW00, Set01, SJ02, SP00, TMB07, AS03b, AS05b, AJT04, ÁDIM09, AA06, AHMS03, BHR04, BHSV07, COQ06, CM06, Che07, CSL08, CCT05, CQRW05, CC08b, DMBS05, DMP08, DL03b, EHST05, EHS+08, ET05, FSS03, GGS09, GCNB07, Hab04, HMS08a, HK07, Her05, Her08, HK05, Hig05, JVV07, JCT07, KH07, LW07, LW09, Liu09c, LTWW07, LLdlP+00, LTM09, ML06a, MRC06, MR06a, MGCR07, Min04, MG07c, MG07d, MV06, NJLA06, NLT07, NT07, OK05, OKZ07, PHK06, QL04, RR07, SS06a, SYC09, SAKDJ05, Sme06, Spe05, Sus03, TZ06, TZ07a, TZ07b, TBJ+09, Tow07, TU04, WLKW07, WST09, WYS09, Wen09, XLLZ06, YJL+06, YSS09, ZGK09, ZLAC05, ZL08b]. level [vdDA06]. Level-Set [Asl01, CBMO02, Cho00, KLvBvL02, PS01, CBGI09, AJT04, ÁDIM09, AA06, Hab04, KH07, MG07c, RR07, Spe05, XLZ06, YJL+06, YSS09, ZLAC05]. Level-Set-Based [LLdlP+00]. level-set/volume-of-fluid [YJL+06]. L´evy [LLTA07, PC06a, Pav07]. Li [GIA+07, MCP03, GIA+08]. Li-ion [GIA+07]. Library [SWB+06]. lid [AK05]. lid-driven [AK05]. Lifshitz [dSM05]. Lizard [KRT+09, WG09]. Light-Cone [SS01b]. Light-Emitting [deM02]. Lighthill [ZSWW03]. LIGKA [LGKP07]. like [DLS+00, HO06, LNXNTX09, MEG02, Mil06, Mil07, PL09a, SB06a]. likelihood [Sti05]. Limit [BKR+01, DW00, Asl04b, BPM06, Boy05b, CWL08, CS04, CDV07, DP08, FPK08, JLOT05b, JLOT05a, LW09, Lur07, PSZ09, S05a]. limit-cycle [BPM06]. limited [BMP06]. limitations [CP06a]. linear-scaling [SLG+03]. linearity [KSW03]. linearity-and-bound-preserving [KSW03]. Linearization [GV02, Hu01, Kuz09]. linearly [BAR08, CJ04, Jao07, Tok06a]. linearly-perturbed
[CJR04, Jao07]. Lines [DK02a, KKGL01, AINR03, Car09, JH08, Spe05]. Lineshape [KH01]. Link [NTO+07, linked [KM08a]. Linux [CD04]. Liouville [JW06, JY08]. lipid [FK06, MK08a]. Liquid [DSS00, EKK02, JLCD01, LS02b, CPR05, Cha09, Chr03, CB09, DDK06, GGS09, GKV09, HP04a, HL07c, IM05, LMV04, LS08, LL06a, LR07, LLZ07, LL07, LL08a, RGS04, VGL+07]. liquid-liquid [CB09]. Liquid-Vapor [JLCD01]. Liquids [KS02b, HSL08]. list [DTS05a, DTS05b]. lithography [BBK06]. Load [DPR00, JJGL06, JJGL07, MG05a]. Loading [CVB00, GVT01, KFV07, Li08b]. LOBPCG [HL06a]. Local [Alb00, BC02a, BS09b, DI02, GTD01, JL02, LSY04, MTH08, Min04, MHS01, MV08, OV00, OMG02, Q002, RC09b, SC08a, VDM+02, VC00, X007, XS05b, YZW05, AMR06, BC05, BBDO4, BF08, BG05b, CB03, CFR08, CLS09b, DSM09b, DGRS08, HM0808, HZ08, HAD06, IS05, JW06, KB04, KK04, Lap04, LSA06, LSJA05, LY06, LG08, MA05, MCG04, MPFC08, Pav07, PVR07, SLG+03, SPLM09, SRX07, SR09b, Tsa06, UBT07, UPKN09, YE07, ZH009, dTDI+07]. local-orbital [ZG03, Gra06a, HNF07, KZ009, Lar09, ST03b, TB09]. Localized [KL08, DDH05, DLD08, YA05]. Locally [BS08b, CLS04, HEM00, Str07a, AT08, FHW07, OK07b, TZHT04]. locally-conformal [OK07b]. Locally-corrected [Str07a]. locally-refined [FHW07]. Locating [TK02, SS09b]. location [HS04]. locking [LSJA05, MP07a]. locking-free [LSJA05]. locomotion [HS04]. Loeve [BP04a, ST06, ZL04]. Logarithmic [Mai01]. logging [GH08b]. Long [FPC+00, Wee02, ZSW03, CWL08, FT09, HPS+06b, LL07, SK04a]. Long-Range [FPC+00, FT09]. long-term [SK04a]. Long-time [ZSW03, LL07]. long-wave [CWL08]. Loop [SS01b, GPO05]. loosely-coupled-type [GG09]. Lorentz [T02]. Lorenz [FVE04]. losses [HR08]. lossless [LK04, Rem06]. lossy [LZ04]. Low-BER [BISS01, FS01, FHO0b, Ni00, POS00, RV00, SC01, WPM02a, An04c, AG09, BCDW06, BDH09, BDR+04, BBMB07, BO09, BB04b, BEG03, BB08b, CLB08, Cha09, DH04, Del07, DBBP08, DKS+03, DST07b, EG08, HH07c, HK04c, Kok09, LG03a, Lee07b, LFW08, LM08c, LQ06, MEKS03, MDR07, NM+07, NNH+07, OTCM08, OVG07, PDHP07, RVD09, RB09b, SDG07, SM06a, SMS04, Sco03, SFMP06, TSG+06, TMD+08, VGCN05, XH03, XL05, YS07a]. low-cost [LQ06]. low-diffusion [MEK03]. Low-Dimensional [RV00, VGCN05]. low-dispersion [Kok09]. Low-Energy [SC01]. Low-Energy-Density [BKR+01]. low-frequency [BCD06, DH04]. Low-Mach [Nic00, LG03a, RVD09, XH03]. Low-Order [BISS01, AG09]. Low-Speed [FS01, SMS04]. low-variance [HH07c]. lower [MM09]. Lowest [Mit00, Lab09]. lowest-order [Lab09]. LU [LZ03]. lubrication [DM03]. Luo [TK04]. LWS [DF00a].

M [LM03a]. MAC [IQ08, LW01]. MacCormack [HT00b, HT00a, HF01]. MacCormack-Type [HT00b, HT00a]. Mach
Mach-uniform [VSW06, NVD07]. Mach-uniformity [NVD05]. Machine [Kou07]. Macro [BEA09, FT06]. Macromolecular [Lap03]. Macromolecular-crystal [Lap03]. Macromolecules [HI04]. Macroscopic [GMAj09, HA06, ZRS06]. Magic [MT01]. Magnetic [Del01, GG00, SHWW00, AvdB04, Bal09, BRDM09, GLLN09, HT07, LFSS07, LD09a, MK05, NN09, PCP08, QW05, RSW06, SGG04, Tor03, TMG08, Waa09, ZK06, Zie04, vDZ06]. Magnetized [GGOB04, Mot08, PCCW06, UPKN09, VVM05, VTC01, XCRX08]. Magneto [Li05, Li08a, VOD08]. Magneto-hydrodynamics [Li05]. Magneto-hydrodynamics [VOD08]. Magnetogasdynamics [Gom08]. Magnetohydro [LW04]. Magnetohydrodynamic [DCV01, BT07a, FJ09, GLN06, JBF07, KL05, Liv07, MV06, OPML07, ODC07, Ser09, SK07b, dCNSD07]. Magnetohydrodynamics [Bal01, Del02, G-J02, Jan00, TX00, Tété00, Asl04b, Bal09, BRDM09, GLLN09, HT07, LFSS07, LD09a, LD04, MK05, NN09, PCP08, QW05, RSW06, SGG04, Tor03, TMG08, Waa09, ZK06, Zie04, vDZ06]. Magnetorheological [KM08b]. Magnetotelluric [HS07a]. Maintaining [PHKF06]. Maintenance [G09]. Management [OK04, TS07, WGC07]. Manifold [GKE04, HE07]. Manifold-mapping [HE07]. Manifolds [BRG09, BBK07, KG03, MS04, RBL04, SK07a, VGC05]. Mantle [FKK08, KKS05]. Manufacturing [SS08]. Many [ZD00, CLMR08, FHLK05, LM08a]. Many-particle [FHLK05]. Map [Gu03, HW05, Hel09a, dFS09]. Mapped [HAP05, BRB03]. Mapping [HE07, LQX06, MS04, ZL08a]. Maps [LTZ01, TB00a, BBK07, YLA08]. Marangoni [LS02b, TC02]. Marching [Set01, LG03b, LG04, YBS06]. Marker [AMS04, CB09, RB05]. Markers [AMS03]. Markov [CVE06, GL909, MDJS07]. MAS [KH01]. Masks [BBK06]. Mass [Lio00, OF02, BYS08, BT05, DBS06, HLM07, KH09, KJ09b, LLGL07, RCO09, YZF07, ZH04]. Mass-conserving [DBS06]. Massive [DPRS01]. Massively [KP00, SLG03, CHB09, HVAC09, KRT09]. MAST [AT09]. Master [HL07a, IM07, MK07]. Matched [Hu01, Hu05, Vay02, YZW07, BFJ03, BHNPR07, CLL07b, DH07, Doh09, GK09, GGOB04, HLL08, Nat06, OK07b, Rah04, RJ04, ST04, SP05b, YW07, Zhe07, ZW06, ZZFW06, dHRvdB07]. Matching [B07, JG06, JGL07, LVL05, NDT06, SB06c, ZW04]. Material [Bar02a, DDG02, ZZVM08, AS03b, AOS7, APT09, BSKH07, BFT07, BG09, CD03, DS08, GA09, Khe04, LKY03, LBL04, MU09, Ols07, PP04, SGFL09,
SC09a, WG08, XD07, ZC09, ZW04, ZD08]. material-order-independent [SGFL09]. Materials [CL00b, CB02, EH02, GM01b, HLS01, OV00, RV00, BZ04, CDS04, CP04b, CP05, EPW08, GFS08, GL06, GMO04, YU05a, Zad08, ZB07]. Mathematical [Ano04z, BTFY01, CHM08, GS02, HM08, RBT03, LD06, SMP09]. Matrices [BPS03, BT07a, DBB06, WR09]. Matrix [Bor00, BS00e, Edw00, Lin01, PCS+09, PC02, SWTM01, Yon01, YMF01, Chu09, DMG04, HJFW04, HL04, Hau08a, Hau08b, Hau08c, HSZ04, LAKD08, LBS+04, LHZ+07, PSH+08, SBA07, UL06, Wal03]. matrix-free [LZH+07]. Maximum [GG09b, Rom02, Abr06, Abr07, Abr09, KSS09, Sti05]. Maxwell [ACS00, ACLS03, BL04, BL09a, BLG+08, BHvdV06, BS06b, Bra08, CD03, CW03, CXZ09, CJ07, CLS04, CFP06, CFJ06, DR06, DD05, DDH01, DL08, DF00b, DDFT09, Eli03, Eli07, FH03, GD07b, HH07a, Hag07, HK04a, HR08, HLO08, HW02, HJM+05, HGB+03, HMM07, LZO04, MCCT02, MPFC08, MOS+00, Nys02, ON08, PAD07, Rem06, RLBO2, RRV00, RB02, SGB+07, SWZ03, SL07b, SA09, SP05b, Tsy04, VPM04, WZ02, W107, XZC02, XD07, YP01, ZW04, ZT07b, de 00]. Maxwellian [CVB00, GW06]. MCC [CN08]. ME [FWK08]. mean [CB07, DMS09b, Hu05]. Means [BM01a, BHR03, BHR06, Heu03, MG05a]. Measure [RS02]. Measurement [TG04, CP06a, MSB07a]. measurements [CSC+08, DFG09, HKS09]. Measures [OB06]. mechanical [DDD05, DP08, NTO+07]. mechanics [BPS03, BT07a, DBB06, WR09]. Matrix [Bor00, BS00e, Edw00, Lin01, PCS+09, PC02, SWTM01, Yon01, YMF01, Chu09, DMG04, HJFW04, HL04, Hau08a, Hau08b, Hau08c, HSZ04, LAKD08, LBS+04, LHZ+07, PSH+08, SBA07, UL06, Wal03]. matrix-free [LZH+07]. Maximum [GG09b, Rom02, Abr06, Abr07, Abr09, KSS09, Sti05]. Maxwell [ACS00, ACLS03, BL04, BL09a, BLG+08, BHvdV06, BS06b, Bra08, CD03, CW03, CXZ09, CJ07, CLS04, CFP06, CFJ06, DR06, DD05, DDH01, DL08, DF00b, DDFT09, Eli03, Eli07, FH03, GD07b, HH07a, Hag07, HK04a, HR08, HLO08, HW02, HJM+05, HGB+03, HMM07, LZO04, MCCT02, MPFC08, MOS+00, Nys02, ON08, PAD07, Rem06, RLBO2, RRV00, RB02, SGB+07, SWZ03, SL07b, SA09, SP05b, Tsy04, VPM04, WZ02, W107, XZC02, XD07, YP01, ZW04, ZT07b, de 00]. Maxwellian [CVB00, GW06]. MCC [CN08]. ME [FWK08]. mean [CB07, DMS09b, Hu05]. Means [BM01a, BHR03, BHR06, Heu03, MG05a]. Measure [RS02]. Measurement [TG04, CP06a, MSB07a]. measurements [CSC+08, DFG09, HKS09]. Measures [OB06]. mechanical [DDD05, DP08, NTO+07]. mechanical/molecular [NTO+07]. Mechanics [Bar02a, BS01, BS00d, OP02, Bod06, BG05b, DF07, FDD07, GPL05, HLRZ06, Kon07, LNXTX09, MK08a, Mil04]. mechanism [PK03]. Mechanisms [KLN+01, RRV01, LTWW07]. Media [CS01c, CGSS00, LMSV00, LLN00, WLE+00, ZF02, AT09, AZ06, BQ09, Bar04, BFT09, BS06a, BH04, CD03, CJSS08, CPG04, CDE06, FWP09, GZ07a, GZ09, HJ09, IQT06, JLT06, KSH+06, KT06, KTO7, LTZ03, LMS08, LH05b, LJ06, MZ08, Mar06, MJT06, MN06, MHI08, MP05, MGS09, NL08, PC06a, Rem06, TIL08, XD07, YE05, YE07, YH07b, ZL04]. mediated [MSP+06]. Medium [CY00, BL09a, BW07, FG04, FG05, GS09a, Hoh06, KK03a, QLK07, RM07]. MEL [Wan05]. Melt [LS02b, ZGT06]. melting [Men04]. melts [HLFB07]. membrane [CKPW07, LWP+09, LS08, MK08a, MSP+06, TLL+08]. membrane-mediated [MSP+06]. membranes [DLW04, DLW06, FK06]. memoir [Bra04]. memory [HJFW04, LH05b, TS07]. MEMS [AA09, MK04b]. MEP [Rom07, TPR05]. merging [Hew03, QLS09]. meridional [TVMR03]. MESFET [GS06a, Rom02]. Mesh [Alb00, Bal01, BW05, BM01, BMRS02, CH01, CBL01, DGH02, Dys01, FR02, Hua01a, Hua01b, ID04, LTZ01, LTZ02, LK09, MR00, MR02, MP07a, MGHH00, Nav02, OG02, Per00, ZSP02, Zha02, AZB09, AFG07, AEP04, BFC04a, BFC04b, BS03a, BL05, BCG05, CR07, CGDT09, CJ04, CBH03, CBI+04, CHCOB09, CFJ06, DW09, Dwi08, FL06, FYH+06, FM06, HT07,
HZ07a, HS06, HS08a, HG03, HS03b, Hua05, HMR08, Hum05, ISNY05, JS05, KK09, KAA+07, KPP07, KE09, LC06a, LK07, LM+08, LD09a, LB03a, LP04a, LL04b, LLOT06, LKO05, MJ09a, MC07b, MSB07b, NA08, NMH+07, N10, NLE06, PSCB08, PDHP07, PL09b, PN03, PCP08, PL04, PC06b, QS07, QLS09, RA09, SWB+06, SY09a, SHP07, SRX07, TZXH04, TLK07, TTX03, TFD06, TK04, Wal03, WT07a, WT07b, WLC+06, YMT+04, YMWM06].

mesh [YF09, YT07, ZJW06, ZJWC08, ZFM08, ZSC08, vDZ06, vZdBB07]. mesh-based [SHP07]. mesh-dependent [AZB09]. mesh-free [YMT+04].

Mesh-Size [Zha02].

Meshes [DLS+00, Han00, Her00, MVM02, ML01a, MG02, MP01b, MHS01, TS02, Vas00, VG02, WS01, WB01, ZYC02, AK06a, AS07, AB05b, AT05b, BES07, Ber06b, BM07, Cap08a, CKvT07, CDDL09, CBI09, CS09, CS06, CS07d, DHOT09, DMR09, DK07, DKTT07, DTM08, DZ09b, FM08, FHW07, GL08, H008a, H1008, Her09, JGJL08, JGJL07, JMC03, KA05, KOQ08, KI05, KL08, KL04, LMS04, LSS06, LSS07, LSV09, LNXNTX09, Mai09b, MB04, MY06b, MP05, NJX08b, FS07a, RAB07, RAD07, SPM03, SP06b, TTD09, TAL09, VGS04, XLM07, YAO5, YS07c, YSS08, ZQSD08, dVGLM09].

Meshfree [ZWL02, CYS06, KLYL08, ZKY05]. meshfree-Cartesian [CYS06]. meshing [BGR08, DS05a, YZF06]. Meshkov [LSD07]. Meshless [Ma05, BZ08, BSL09, JK09a, LSJA05, SB03, YF09, YCL05]. mesoscale [GR08].

Mesoscopic [HKV01, Hor06, BL08, FK09a, HA06, IC004, KM008]. metabolism [XDB09]. metal [AIR03, AINR03, MC06b, MLE06]. metallic [ES03a, MC06b].

metallic [GV09, IM05]. Method [AKV00, ALB00, ACS00, AQ00, AP02, BR01, BC02a, BJ00, BJ02, Bar02a, BC01, BM01, BS00c, BCE+09, BM01b, BE02, CFA01, CL00a, Cal02, CH01, Car02, CWT00, CG02, CMK+01, Cho00, Cec02, CFP02, CM00, Cor00, CB02, Dar06b, DVO2, DPR00, DFT01, DGP00, Dri02, EH02, EK02, ERT02, EY01, Fed02, FB00, FP02, FR02, Fred, FK02, GM01a, Gen01, GW02, GMB01, GHG01, GK01, GP00b, GBGM01, Gui02, Gut00, HHL01, HLS02a, HMM02, Han00, HSK00, HDC02, HHL00, Her00, Hig02, HK02, HF01, HB02, HCG01, HA02, HEM00, HGM01, IYI+02, IFZ01, JC02, JLC01, JTB02, Jan00, JK02, JM00, Kan02, KS02b, KB00, KK00a, KK00b, KAIN01, KC00, KKC01, KJ01, LP00, LL02, LL00, Lay02, LK01, LR+02, LL01a, LL01b, LK01, Lin01]. Method [LFK00, LS00, LMS02, LLQ+02, MR00, MR02, Mac01, MD02, Man02, MKM99, MEG02, MC00a, MC01, MC02, MKR00, MPC01, MPC02, Myo01, NFK01, Noe00, OMK09, PR01a, PKvB03, PK01, PS01, PL01, PB00, PK00, PO01, QV01, QQ01, RH01a, Ren00, RW00, RRL01, RR02, RO01b, RM00, SS02, SW02, SWTM01, SY09b, S01, SC00, SF00, Sti02, Str00, Str01a, Str01b, SB02, SP00, SWP+00, TK00, TX00, TMB07, TR02a, TB00b, TC01b, TBE+01, TR01, UMR01, VB00, VCT02, VR02, VC00, VSM01, WPM02a, WP02, WGC01, W02, WL02, WDM01, WW00, Whi00, WA02, WS01, XC02, XK01, Xu01c,
method

method
method

[Ma05, MY06a, MZ08, Mac07, Mac03, MWM03, MCM04, MN09a, MKM04, MKOW04, MR06a, MCGCR07, MKLU05, MRS09, MvW08, MC06a, MCG08, MB04, MS04, MY07, MSJ07, MU09, MF08, MKL06, MP03, MK08b, MZ07, MESS09, Mil08, Min04, MG06, MG07d, Min07, MR07c, MDB+08, MDM03, MT07b, MR06b, MMPB07, MK06, MT08, NLY03, NTO+07, NPH09, Nas08, NA08, NBLQ09, ND04, Ng08, NPC09a, NPC09b, NJSX09, Nik06, NC030, NG06b, NGvdWS09, NLT08, OK06a, Osk09, ODAF07, ORM06, OK05, OKZ07, OJW06, OCFF08, PDHP07, Pap08, PS03a, PPCW06, PSCQ03, PSC+06, PN03, PS07a, PL+09, PFSL07, PK05, Pon09, Pon05, QW05, QA09, QL04, QS04, QKS06, QLS07, RBS05, RMB07, Rah04, RAB07, RSM05, RE07, RE05, RBS06, RSW06, RMS09, RRW05].

method

[RJM07, Ros06, Ros03, RBK09, RW03, RM08, RC09b, Ryc05, RJ04, Sac07, SB06a, Sam09, SROCF03, SROCDPF05, Sar03, SFDL07, SZB+07, SAK05, SW08, SHS08, SBC06, SB06b, SS07, SKW06, SF03, SM04, SCT09, Sha05, SFE07, SH07b, SL04, SDD07, SLG+03, SMS04, SY09a, She08, STP05, SL07b, SL07a, SAKD05, SLC07, Shy06, SSSD03, SS07b, SK04a, SHTB09, SCW+09, SM06b, SPLM09, SDD08, SLW06, SXyWX09, SR09b, Sus03, SSH+07, TM07, TZZ03, TZL05, TC07a, TOZP03, TLLK07, TZZ07b, TLL+08, TLK09, TTZ03, TJS03, TH06, Tau07, TBT+09, TT09, TPV07, TBJ+09, TMD+08, TKH09, TOY09, TW07, TC07b, TG06, TG08, TW03, TU04, TF03, UTBV03, Uhi05, UPKN09, Un08, UYK+04, VTC+07, VGCR05, VV02, VOD08, VL07, VLB07, VGPL09].

method

[VWS08, VB08a, VB08b, VK05a, VGB05, VGB09, VSW04, VSW06, Vik03, VK05b, VHI05, Voi04b, VCM00, WK07, WFTS05, WG08, WK05, WK04, WZL04, WW04, WL06, WT07b, WLKW07, WXG07, WTL08, WGS+08, WSTW09, WFC09, WWS09, WZ09, WGRA09, WZ07, WK06, Wen06, WWK05, WA08, WKL07, WZ03, WM07, WS09, XMP07, XH03, XS04, WX06, XXL06, Xu08, XHC08, XSL09, XL09b, XD07, YMT+04, Yam05, YZ07, YM07, YYF09, YU05a, YJL+06, YFL06, YP06, YS09, YZL09, YLD09, Yeh07, YC06a, YC06b, YH07a, YS07, You06, YA05, YCL05, YJF+06, YS05, YG05, Yu05b, YZW05, YSW06, YS07b, YZW07, YW07, YF09, YS06, YT07, YFB07, YH07b, ZGT06, ZGK09, ZWS07, ZKF05, ZP05, ZEA06, ZYL+06, ZT07a, ZZ07, ZSC07, ZB07, ZZ08, ZZV08, ZL08a, ZKL+07, ZMF08, ZZ09, ZRS06, ZP06, ZSB+08, ZSP08, ZHSS09, Zho07].

method

[ZW06, ZZFW06, ZL08a, ZTPM05, QZSD08, dVGLM09, dSMN+04, dTDI+07, VB03, vDZ06, vLAvdV06, vDBG09, vdD07]. method-based

[DL08]. methodology [BdCB09, FK09b, GZ08, GS09b, KDO065, YC09a].

Methods

[AL01, AGP01, Azm02, BKR+01, BMRS01, BMRS02, BM01c, Boy02b, BS00c, BCM01, BS01, CL01c, Cod01, CK00, CM00, DCS00,
DDH01, ELC02, ED07, FVOMY00, FF02, FPC+00, GP00a, Gir00, GHW02, HH02a, HMS08b, HW02, HKV01, HLS01, Jan00, KLN+01, KR02, KMA+01, KKR01a, KKR01b, KM00, KMS02, KH01, KMI01, LOK01, LM01, LTZ01, LLDIP+00, hLA01, LMSW02, Mac00, May02, Mit00, ML01b, NR01, NC01, OKL01, OF01, PD01, PRT00, PX02, PW00a, PW00b, PW01, PWS+02, Rei00, RXH02, RM01b, Sa00, San01, SW00, Set01, SMP01, TNGH02, TWS02, WK01a, YC02, APTJ+04, ABL05, AS03b, Ain04, ABRR09a, ABRR09b, AT05a, BB04a, BS03, BCL06, BY07, BB09, BZ08, BS08b, BHR06, BB07a, BC08, BS07, BT05, Bor03, BKL04, BS06b, BLM03.

*methods*

[BDS07, BRB03, BCG05, BHR04, CT09, CLS+06, CL08a, CSC+08, CGS03, CGM06, CQ04, COV04, COQ06, CM06, CL05, CL08c, Che07, CLL+07b, CJ07, CR09, CLS04, CWD08, CFJ06, CC04, CD07, CP04c, CF04, CF09, DSM09b, De 04, DGH08, DL04, DD09, DL03b, ERVE09, EGHE06, EHD08, Eg07, ETT05, ES06, EN06, ÉGP09, FSS03, FWP09, FD03, FR03, FPT05, Fou06, Fox09, Gab07, GT09a, GCGE03, GLMH09, GK03, GS06, Gir06, GR08, GR04, GL03, GD08, GLLX08, GF05b, HD07, HMS08a, HK07, pH09, Hel09b, Heu03, HMK05, HNG04, HL06b, HyLL07, HJL09, HJL07b, HS04, HJM06, HM08, HR08, HR07, IF09, HJHS07, JSCZ08, JW09, KCH06, KCGH07, KOQ08, KTD03, KKL04, KK05c, KK05d, KPB08, KKW07, KvdVvdV06a, KWBH09, KK04, KAS08, KS08b, KKO04.

*methods* [Kri07, Kro05, Kro02, KWD07, KD08, KH08, KPO5, LY07b, LG08, Lw04, LM04, LSY04, LM03a, LBS+04, LMS04, LRZ04, LH08a, LS05b, Low05, Low04, LZ04, LB03b, LM08, LTM09, LChCN+03, MJ09a, ML06a, MS08a, MEKS03, MN07, MN06, MP05, ML08, MP07b, MJ06, MST06, MJ07, MSP+06, MG07c, MY06c, MCP03, MHPR08, MLS+05, MK03, MO06, NW07, NM06, NU09, NJ09, NWZL08, NLT07, NB04, NZ07, OS04, ODC07, PR04a, PS07b, PS07d, QL07, RCT07, RRC05, Ren07, RBvdV08, RG07, RS04, RS05, RS09a, RH05, San03, SB09, SM04, SB06c, SRN07, SS05a, SVK06, SAM05, SY03, SME06, Str07a, SP06b, ST03b, TZHT04, TZ06, TW07, TCM09, TD07, Tok06b, TT06a, To07, Tow09b, Tsy04, TPV06, VSG05, VK04, VOS06, WT07a, WHL03, WWC07].

*methods* [WLT08, WLC+08, WM09, WZL09a, WZL09b, WG09, WG06, Wen07, Wen09, WH05, XSS07, XS06, XS09, XS05b, XLS09a, Yan08, Yan09, YTT05, YK04, YE05, Yua06, ZKD07, ZSW07, ZH04, ZKS+09, ZW04, ZQ09, vEB05, vOP04].

**Metric** [Hua05, Aza06, HZ07a].

**metrics** [OB06].

**Metropolis** [QL01].

**MFEM** [WLE+00].

**MHD** [HY11, ALGM01, AT05a, AT08, BTW04, BBG+02, BvdHK07, BS03, CK02, CK03, CCF+05, CH08, DKS01, DKK+02, De01, DZ09b, FMR09, GS05b, GS08, GLL03, GFR09, GTM08, GKV09, GLLN07, HMM08, HJ07, HY09, Jar04, LHK07, LW01, LL08b, MG07, NM07, NMD+07, OR06, RWW07, San09, SDGX07, TB04, TA06, YS07a, ZYL+06, vdHK07].

**MIB** [YZW07, YW07, ZW06].

**Micro**
[GS02, BBD04, BEA09, CRAG07, CHBS04, FT06, LCNR07, LR03, NFvS+06, RB05, RE05, SFX03, SS05c, TS08, ZXQX08]. micro- [LCNR07]. micro-channel [SS05c]. micro-channel-flows [TS08]. micro-channels [SFX03]. micro-fluidics [RE05]. Micro-Inertia [GS02]. micro-local [BBD04]. micro-macro [BEA09, FT06]. micro-mixing [CRAG07]. micro-plate [CHBS04]. micro/nano [NFvS+06]. micro/nano-channels [NFvS+06]. microactuators [LTM09]. microbial [PC08]. microchannel [VLB09, ZTPM05]. microchannels [WWC07]. Microelectronic [AIRY01, AIR03]. Microfluidic [AA02]. microfluidics [GV08]. microlocal [BCR04, Dar02]. micromagnetic [VOD08, dSMF09]. Micromagnetics [WGCE01, GCGE03, MO06]. Micromixing [MJ09b]. microphysics [BDR+04]. Microscale [Myo01, SB02, ZZ01, KB08, Myo04, YE07]. microscope [TLAD04]. microscopic [AKP07]. Microstructural [ATV01, LLN00, CP04b, CP05]. Microstructure [EKK02, RV00, BEA09]. microscopic [CP03a, dSM05]. mid-point [CP03a, dSM05]. Mie [Shy01]. migration [CP04b, FEL+05, HS07a]. Mikhlin [HW05]. MILC [BL08]. Million [CWWZ00]. MIMD [DRPS01]. Mimetic [CS01a, LMS04, dVGLM09, GL08, LSS06, LMS08, SP06b]. Mine [GKL00]. minimal [Cec05, KLSW09]. minimisation [CORT09]. Minimization [HdGK08, Yam01, COV04, JCT07, Lap04, RSSL09, RSS09, SNL03, YMW06]. minimizing [BT03]. minimum [CFR04]. mirror [DDK06]. Miscible [IYI+02, TM05]. Mises [GMO04]. Mittra [NCW+09]. Mixed [AP02, BFG08, CGSS00, VCTS02, dA04, AMS03, BWLM09, BG05b, CHPR09, DDK06, Doh09, GL09b, HPS06a, HBLD07, He09b, LW09, MP05, MESSV09, NV09, ND04, RRW05, VB08a, VB08b, WG09]. Mixed-Basis [AP02]. mixed/discontinuous [MESV09]. mixing [CRAG07]. Mixture [IYI+02, Shy01, VLKM02, BW07, CET09, Shy04, TLK07, ZKS+09]. Mixtures [OB02, VG01, dSAK00, AS03a, AL08, SP09]. MLFMA [DBF08]. mobile [RF06, RMF08]. mobile-bed [RF06]. Modal [LD06, MHD07]. modal-based [MHD07]. model [CTS07, DH07, HW05, LY07b, Oh04, PG08, SRN07]. mode-separated [Oh04]. Model [ACK02, BI00, Bon00, BMS00, Cle00, CR02, DDG02, DE02, DOWB01, EF02, FC02, FG00V0, FO01, GP00b, GMS06, GC02b, GSW00, Hum01, JCO02, hLA01, Mil06, Mil07, ML01b, MOS+00, MR01, OF02, PS07c, PCC00, Rom01, Sni01, Sun00, To02, To02b, TTS01, VCG03, vHBB02, AZB09, APP+07, AK09, AW04, BS04a, BBDE05, BG07, BN04, BCC09, BL08, BBvD06, BCO04, BNN06, BTWGBW07, BJJ04, CL06, CD04, CL07a, CL08b, CL03a, Che04, CL05, CL08d, CX08, CW08, CK08, CFGK05, CDV07, CLO04, CLO05, DDK06, DSN09b, DJ05, DGM07, DHI05, DSS07, DDGS09, DDFT09, EPW08, EKBL09, EF03, FVE04, FG09, FBB+08, FCGK05, GGGM+09, GS03b, GB03, GC06, Gra06a, GD07a, GD05, HBLD07, HW08, HPW08, ICO04, IHL03, JA08, JK07, KD09]. model [KFIG06, KB04, Kou09, Kwo08, Lar03, LHR+07, LDN04, LWDA09, LB03a, LGN05, LWF+08, LD09b, LF04, LC03, MWM03, MM09, MGS07,
MG05b, Myo04, PM08, PSC04, PS05, PHW08, PVPS09, PS03b, QA09, QFR04, RV06, Rom07, RFVP09, Sar03, SMT+08, SWK06, SW04a, SE04, SY09a, SL03, SK08b, SS05c, Sofo09, SW08c, SK07b, SXyWX09, SS04, TLK07, TLAD04, TM05, TK04, VTC+07, VP09a, VK09, VP09b, VQLZ04, Wei09, WDO+03, XY06, XDB09, XMT06, XHC08, YH07b, ZSWW03, ZK04, ZWS06, ZVQ07, ZQX08, ZZ08, ZL09, ZDD09, ZSC06, KN09].

Model-based [Mil06, Mil07, GGMN+09]. model-constrained [BTWGvBW07]. Modeled [GW01, HR08]. Modeling [Ano08-50, BV00, BTFY01, CFM09, CS05, CDDH07, CMP07, DDG02, DC02, FSM+01, GZ07a, GZ02, GM01a, GIA+07, GVT01, Hum05, JL09, KM08b, MT07a, MK02b, OV00, OP02, OVG07, Ota00, POS00, QLS09, SJ02, SD00, SMO00, TZ07b, VPA02, WH00, XK03, YLA08, ZVHP03, AHF04, ASQ06, AJ09, BOK+06, Cha09, FK06, FRW07, GZ09, GR08, GH08b, HS07, HDR+06, KDO05, KT06, LM04, LVL05, LSS+09, Liu09a, Lyn08, MZ08, Mar09, ME09, MC03, MDM03, NCW+09, OK06b, RMB07, RE05, RM07, RW03, SR09a, SZ08, Sau04, SKWN03, SM09b, SCC+03a, SCC+03b, SMDG09, SP06a, SBC04, TZ07c, TJLT08, VSV03, WL09, YE07, ZKL+07, ZH09].

Modelled [CGSS00]. Modelling [CDS04, CP05, Cho05, GFS08, GYKL05, Hor02, JG09, KM02, LMS05, Pri08, VHI06, WH+00, ZGT06, de 00, BQ09, CRAG07, CP04b, CS05, EL03, ES06, FHL008, GLT07, KMSH08, KA06, LXD04, Lap08, LKL+09, LX04, MT07b, QP03, RCB05, SS06a, SS06b, SJ07, Wan05, WGRA09]. Models [BSJ01, Bla00, CPT01, GR01, HK00, Hig02, HKV01, KK00c, MEG02, Mic00, RVO0, SSC00, ACGV07, AG09, BCB03, BKST09, BTC05, BC08, BBI09, BK07, CSC+08, CRAG07, KPW07, CRB+08, CDV05, DVHM05, DMR09, DP07, DP08, Die08, FCD+06, GT09a, GZ07a, GZ08, GD06a, GM06, Hag07, HK08c, Hig05, KMD05, Kim05, LM08a, LD06, LCB09, LB03b, MM03, MJ09b, ML06b, PA07b, Rah04, RW08, SDCC05, SE03, She08, SK04a, SS03b, SK06, TSG+06, TW05, Th08b, TR07, WAH09, WDND06, YHCD05, ZRS06, dFLG05, dFJS09, dNWSD07, dTWD09]. Moderate [VCP09, Vik03]. Modes [GBS00, RV05, PCC06, TW05, TRSK09, TR07, WC08, dSMF09]. Modest [MCP03]. Modification [SWTM01, Vik03]. Modifications [RM01a]. Modified [BZ08, BADG00, CJ09, FH02, GST02, Jon05, LSL08, TTSQ01, TSG02, WG06, BZ04, BL09c, CHL06b, Eg07, MU09, MC07c, PA08, WR03, ZB07]. Modified-truncation [Jon05]. Modular [Str00, SSB07]. Molecular [AC01, DPR00, DGA08, Yon01, AR08, ALT08, BPMR08, DTS05a, DTS05b, DTSST07a, GT09c, HS04, JG09, KN05, LP05, Li08b, MC07a, ML04, NTO+07, PG05, PA07, PS09, Pro03, SE09, SHF07, TG04, VS09, YWC07]. molecule [LR07, NTO+07, SMSS07, TLAD04]. molecules [HO06, LD06]. Moment [DK02b, MHS02, Abr06, Abr07, Abr09, AS09, CX08, DFV08, DS08, Fox08, Fox09, FDK06, GE07, I07, IX09, LTZ03, RCT07, RW08, TS08, TF04, TR01, VVS08]. moment-constrained [Abr06, Abr07, Abr09].
moment-of-fluid [AS09]. Moments [BW02, DC08, FLM08, LKD04, SH07a, Xia04, XA06].
momentum [ABRR09a, ABRR09b, KH09, SAM05, SHP07]. Monge [DCF+08]. Monitor [CHR01, HS03b]. Monitoring [ESD05]. monolithic [DHOT09, GA09].
monomolecular [RE07]. Monopoles [Del01]. Monotone [Cap09, LSSV07, YS08, AM03, AM04, CL08d, DRPN05, LSV09]. monotonic [KK05c, KK05d, Yeh07]. Monotonicity [BS00a, RM01a, TS02, BD08, DT04, HR07, MD06, NE05, RGK07, RH05, SH07c].
monotonicity- [RGK07]. Monotonicity-Preserving [RM01a, TS02, DT04]. Monte [ABRR09b, LM01, LM03a, MCP03, ABRR09a, AMH04, BBHM09, BS07, BMS05, BSP06, BUEG06, BB09b, CLL07a, CGMS03, CGMS06, CTW+08, CV06, CF06b, CS03, CS04, Dem04, DL03a, DL04, DUEB07, DDDC07, EULM03, ED07, FG04, FG05, FT09, Gen01, GL09a, GM06, HH07c, HGM01, HH07c, HGM01, IH04, KB00, KMM03, KAS08, KL09, LM08b, LD09b, MKP08, MU09, MBS03, NU09, OK07b, PM08, Pet07, PK00, PVR07, PVPS09, QL01, RRV01, RS06b, SSE03, Sch08, SL04, She08, SA06, SM007, UH01, VK04, VK05b, Vol04a, WBM09, WGS+08, WMH07, ZSB+08]. Moore [FS06, VPA02]. morphological [GFG09]. morphology [Liu09a]. Morse [WWVG00].
MOSFETs [BMN07, BCCV09, JSCZ08]. MoT [Noc00]. Motion [BCM01, CBMO02, Cor00, LKO1, PG02a, RM01b, vDV02, BB04a, CJS09, DMO03, Ed07, EES09, FPT05, FG06, KRO01, LMH07, MR07b, RA09, SP04, Xu08].
motions [Fra04, LDN04, PC06a]. movement [SC09a]. Moving [BM01, BMRS02, BW01, FGG01, GPH+01, Han00, HS06, Hua01a, LTZ01, LTT02, MJ09a, MR00, MR02, RRL01, Str00, Str01a, TZHT04, TC01b, UMRK01, Wu01, ZRR00, AT05b, Aza07, Aza09, BS08b, BL09b, BG05, CS09, CY06, CHEC09, DDM07, DT03, FS04, FYH+06, FG07, GLL03, GS05c, GNN08, Gre04, HT07, HMR08, HPS08, IAS05, JD04, Jia07, JX07, JS05, KRO01, KS09, LL03a, LC06a, LZO09b, LZH05, LLOT06, LHZ+06, MWM03, MA06, MKL05, MLS+05, NXS07, OT008, PNO3, PH06, PL08, Q076, QLS07, RW03, SS08, SY09a, Spe05, TLL05, TLL+08, TLK09, VB09, WT07a, XW06, YBO6, YLZH09, ZKS+09, vDZ06]. moving-boundary [LHZW05]. moving-least-squares [GNNB08, VB09].
MPDATA [SS05b]. MPI [OMK09]. MRA [BLG+08]. MRT [PA07b].
MSPH [BZ04, BZ08, ZB07]. Multi [AS07, COR08, CD07, HL06b, HyLL07, JLT03, LNGK04, LL07, LJ09b, MN09a, NTYT01, NTYT02, PPC00, Re00, SBGK00, SK07b, TOY09, TRL01, YK08, AE03, AK09, ADR08, BSKH07, BJ09, BOT05, BL03, BK07, CLG07, CLLG09, CET09, CR05, CKLS05, CLS05, CHB09, CWY08, CX08, DRO09a, DW09, Dic08, DS08, ESH03, EHS+08, FK08, FL08, GAC+09, HJL09, HG03, HA06, HA07, HA09, HAI09, IX09, JYVS07, JLT06, JL09, JLOT05a, JW09, KSO+05, KK05c, KK05d, KKL08, KON09, LM04, LM04, LR07, LL03c, LW07, LBL04, MV04, Mar06, Maz06, MG08, MK05, MDS03, MLS+05, MK04b, MGNB09, NGdWS09, Ols07, OK06b, OK07a, PSC+06, PA07b.]
RSM05, RS06a, SGFL09, SD05a, TZ07a, TW03, TJLT08, UBRT07, VP09a, 
VHI06, WK05, WB09b, Xia04, XAJ06, XHW07, ZWS07, ZSWW03, ZWS06].
multi [ZSC08, dSMN04]. Multi-Block
[PPC00, CHB09, NGvdWS09, PSC06]. multi-class [ZSWW03, ZWS06].
multi-component
[CKLS05, CLS05, JVL07, Ma06, MLS05, MGNB09, TZ07a].
multi-corrector [LRS09].
Multi-dimensional
[LJ09b, NTYT01, NTYT02, SBGK00, TOY09, XAJ06, YKK08, BL03, JW09, 
KK05e, KK05d, KKL07b, LM08, OS07, RS06a, XHW07, ZWS07].
Multi-domain [CD07, MVD04]. multi-element [FWK08, WK05].
multi-fluid [FLM08, GAC09, HG03, HAI09, LMV04, ZSC08, dSMN04].
multi-frequency [WB09b]. multi-grid [LR07]. multi-implicit 
[BLM03, LM04]. multi-integrated [Xia04, XAJ06]. multi-level
[EHST03, EHS08]. Multi-material
[AS07, BSKH07, DS08, LBL04, SGFL09]. multi-mesh [DW09].
Multi-moment [TRL01, CX08, IX07, IX09]. multi-parameter-dependent 
[DR09a]. multi-particle [ADR08]. multi-phase [CET09, CR05, HA06, 
HA07, HA09, JLT06, KSO05, Mar06, MDS03, TJLT08]. multi-physical 
[MK04b]. Multi-Physics [LL07]. multi-point [CWYM08]. multi-quadratic 
[TW03]. multi-relaxation [PA07b, RSM05]. Multi-resolution
[LNGK04, BOT05, CLG07, Kon09]. Multi-scale [JLT03, MN09a, SK07b, 
AE03, B309, JLT06, JLI09, OK06b, OK07a, UBRT07, VP09a].
multi-scattered [Dic08]. multi-species [AK09, BK07, SD05a]. multi-state 
[MK05]. multi-static [CLL09]. Multi-Symplectic
[Re00, COR08, HL06b, HYL07, HJL09]. multi-valued [JLT05a, LW07].
multi-viscosity [VHI06]. multiband [RW08]. multiblock [RJ06].
Multicenter [GM01c, SB06a]. Multicloud [KJ06a]. Multicomponent
[HL01, LBD02, OB02, Shy01, WDM01, BGM08, BS09b, JC06b, Lan06, 
MC04, MM03, Shy06, WA07]. multiconfiguration [CGL06].
Multidimensional [CRD02, GF01, Lap02, Noe00, NC01, SHA08, TX00, 
WB01, ZR08, Abr06, Abr07, Abr09, As04a, BFT09, BGN03, KTO4, LD09a, 
LF06, LHF04, SL06, TXCD07, XMT05]. Multidomain 
[GBG01, LP07a, DDD05, DLD08, DGG03]. multifluid [MCN03, ND06].
Multifluids [AK01, HK04b]. multifractal [TPV06]. Multifractality
[PA00]. multigrid [MWW07]. multifrequency [MWW07].
Multigrid [Ab00, BZ00, BL05, DJV00, EAY01, FOLD05, GMB01, KKS05, 
KJ09a, KVRVdVd07, KM00, Mav02, MLS01, Pai01, SMB09, So03, VCO0, 
WK07, Xua02, Zha02, ABHT03, AHPT07, CLS06, CS08a, DHOT09, EKP07, 
GT05, HH07a, Heu03, HMM05, HWW09, JHSZ07, KW06, KKL04, KL04, 
Kum04b, LLY05, LDLP08, LBL06b, LZH07, LZH07, NM06, NV03, 
RKE07, SRV07, TZ03, VBL07, WZ09, WK07, XYK05, vD08, SD05b].
multigrid-based [RKE07]. Multigroup [TFDK04, GS06a, SO08].
multigroup-WENO [GS06a]. Multilayered [CY00, Gut00]. multilayers 
[GCW07]. Multilevel [BCHL07, DTJT05, TSB01, TC09b, GKD09, Hab04,
LSS+09, LMS08, RAB07, TSB03, VK05a. **Multimaterial** [LX00, UTBV03]. **multioperators** [Tol07, Tol08]. **multioperators-based** [Tol07, Tol08].

**Multiphase**

[GM04, Gos04, GM06, Han01, HLS01, SJ02, Sni01, TBE+01, VLKM02, VC00, YXU01, AS03a, CBB03, CL07a, CL08b, DP09, GCNB07, HJ09, ICO04, KT07, LZZT09, LK09, LK05, LJ06, LTL+09, MC04, MK06, NL08, PFSL07, PA07b, QLS09, SPB09, Shi07, TBJ+09, WP09, ZZVM08, ZLAC05, ZSC06].

**multiphysics** [FMD+09]. **Multiple** [GB08b, LR01a, LTZ01, Mu02, RW00, TNR02, XHC08, ACR08, BS09a, BBMB07, CJLS09, CGDT09, CK07, CB09, Del03b, ELVE07, GK04, GK07, HS09a, JG09, KCMM03, Kro02, MK07, Ngu08, RW03, SHPC09, Spe05, TZ07a, ZKL+07, ZD05].

**Multiple-Heaps** [Mu02].

**multiple-grid** [CK07].

**Multiple-Heaps** [Mu02].

**multiscale** [BBMB07].

**multiphysics** [FMD+09]. **Multiphysics** [LX00, UTBV03].

**multiphysics** [LX00, UTBV03]. **Multiresolution** [CDKP00, BK07, DGRS08, RSTB03].

**Multispecies** [BJ02, Del03a, SD05b].

**multistack** [DS05b].

**multitask** [Löhl4].

**Multistage** [BU02].

**multistep** [HR07, RH05].

**multisymplectic** [IS04, SW08b].

**multitime** [vdV08].

**Multivalued** [Gos02, JLOT05b, QL04].

**Multivariate** [WGNT06, AGSX09].

**Multiwavelet** [ABGV02].

**Multiwavelets** [JMK01, TNR02].

**Mumford** [ET06, RR07].

**MUSCL** [Ber06b, BL01, Waa09].

**MUSIC** [PL09a].

**MUSTA** [TT06b].

**MUSIC-type** [PL09a].

**N** [Aza09].

**Nagumo** [EV03].

**Nambo** [DWC+09, WLC+08].

**Nano** [BK02, BCCV09, JSCZ08, LCNR07, VTM+08, ZK04].

**nanochannels** [NFvs+06].

**nano-flows** [LCRN07].

**nano-MOSFETs** [BCCV09, JSCZ08].

**Nano-particle** [BK02, ZK04].

**nanodevices** [VTM+08].

**Nano-systems** [VTM+08].

**map** [BBMB07].

**nanoparticles** [BBMB07].

**nanoparticles** [BBMB07].

**nanoscale** [BBR08, BMN07, CL05, FH07].

**nanostructures** [PA05, RRC05].

**National** [Her04].

**Nature** [Fen06].

**Nanoparticle** [MLFG06].

**Nanoparticles** [WF07, MWG+06].

**Nanoscale** [BGR08, BMN07, CL05, FH07].

**nanostructures** [PA05, RRC05].

**Natural** [Her04].

**Navier** [DD03a, AQ09, BQQ09, BCDR06, BHR06, BB07a, BACFT05, BLM08].
BCVK02, Boe05, BT06, BJ09, BCM01, BGLN05, CSL08, DC01, DR09a, DD09, DB04, Dom08, DD03b, EHS03, EHS+08, FL03, FOLD05, FD07, GS07, Gel06, GSV06, GCNB07, GR08, GS03c, Gri09, GSW00, GK05, HH08, HH01, HDC02, HK08a, HK02b, HLMM07, HS08b, HLL08, HC05, ILL09, JK00, JLO4b, JMC03, KA05, KE06, KDK+07, KG08, KAK03, KvdVvdV06a, KvdVvdV06b, KyRvdVvdV07, KM00, KB01, KS09, KT03, LMN+09, LOK01, Lee09, LC01, LL01b, LFX05, LDPL08, LRZ04, LP07b, Liu09b, LMS02, LB04, MPP01, MVD04, MR0809, MCG08, MSS08, MF00, MG06, MLS01, NW07, NZ05, Ni09, NK06, NMS07, NGvdWS09, Pai01, PNMK09, PKP01, Pet01, PR03, PR04b, Pon07a, Pon07b, PR06, RBH03, RS06a, SML02, SNGAS04.

Navier [SFE07, SMB09, STZ07, Soc03, SCN07, SN08, STR07b, SPW00, TOZP03, TXCD07, TWS02, VSW04, WRu03, WPH00, WK01b, WS01, XK01, Xu01c, XYK05, YS07a, ZL08b, ZDNP00, vBRK01]. Near [FR02, KMID05, MK02b, OK07b, SKWN03, GLLX08, HAP05, Khe04]. Near-field [OK07b]. Near-wall [KMID05, SKWN03]. Nearest [Par02]. Nearest-Grid-Point [Par02]. Nearly [AJG01, BKLL04, DSTE07a, DS09b, HL07b, ZJW06]. necessary [CLMR08, LM08a]. Negative [SHS02, MHE06, NV09]. negativity [SCT09]. NEGF [JSCZ08]. Neighbor [DTS05a, DTS05b]. neighboring [XL09a]. Near-field [OK07b]. Neumann [APQ03, GP04, GK04, Gui03, HW05, He009a, NR01, Poz01b, SDS07, TB00a, YLA08]. Newton [MK02b]. neutral [RCT07]. neutral [BBK06, CDV05, GWF+07, GB00, LC04, TPR05]. Neutrally [PG02a]. neutron [BH05, FJHK09, Mac07, NU09, RW08]. New-version-fast-multipoole-method [LCM07]. Newmark [CL07b]. Newton [Yan09, BB07a, Boy02b, CBK00b, Cha07b, CZ09, HC05, KM00, KK04, KT07, MK00, NOG08a, NOG08b, OR06, SNG04, TWS02, YLD09]. Newton-conjugate-gradient [Yan09]. Newtonian [FS04, VBL04]. NICAM [SMT+08]. Nicolson [Han00, KW08a]. Niño [CC08a]. nitride [BMK+06]. NMR [KH01]. No [SN08, HSC09, PK05]. No-slip [SN08, HSC09, PK05]. Nodal [GH02, HW02, KBW09, PH00, GLM09, GW05, JH06, Pon07b, WRu03]. node [KL09, MCGV04, WF06]. node-centered [MCGV04]. noise [BB04b, CB00, CB04, CB07, MSB07a, SMS08]. Non [BFW04, BS00a, BM01c, DEM04, GB00, Hub07, KM07b, MK00, NV09, SCT09, Tor03, Vas00, Yon01, Abg06, AB03, BFR08, BDR09, Ber04, BD09, BCC08, BSW05, BCI+08, CFS09, Cap08a, Cap08c, Cap09, CCV03, CN05, CE09, CSL08, CS06, CS07d, CP08, DHD09, DSM09b, DP07, DK07, DKTT07, FS04, FR03, GS06a, GT09a, GZ08, GGS09, GHB03, GN03, GT05, GWF+07, GYKL05, Hau08a, Hau08b, HMA05, HK08, HAP05, HS06, HJJ09, Hu05, Hwa03, ISNY05, JJGL06, JJGL07, JA08, JSCZ08, JK09, KD09, KB04, KK03b, Knu09, KLSW09, LSA06, LVL05, LVM09].
LMS04, LCCG05, MGS09, MJ06, MGC06, MG06, MG07d, MK03, NN04, OMK09, Pav07, PWM06, PK07, SBA07, SS03a, SAK05, SS07, SLV09, SB06c, SE04, STZ07, TWM07, TT05a, Tok06a. non [TT05b, TB04, TPR05, VMN07, VSL07, WT07b, WSYS09, WC07, XHC08, YKG04, YA05, YS06, YH07b, ZSWW03, ZIP06, ZWS06, ZT03], non-aligned [GYKL05]. Non-autonomous [BM01c]. non-conformal [LMS04, VZSL07]. non-conforming [CCV03, CEH09, SB06c]. non-conervative [DP07, KD09]. non-convex [HJJ09]. non-diagonal [WC07]. non-dispersive [MGS09]. Non-equilibrium [MKR00, BSW05, GT09a, GT05, JSCZ08, JG09, MK03, SSB07, WSYS09, XHC08]. non-Gaussian [HMA05]. non-graded [CCV03, CEH09, SB06c]. non-homogeneous [KM07b, FR03, SBA07]. non-hybrid [BFB08]. non-hydrostatic [SE04]. non-hyperbolic [Hwa03]. non-inertial [PK07]. non-iterative [Yon01, OMK09]. non-Lagrange [VMN07]. non-linear [BDRT09, BdCB09, BCI08, CFS09, Cap08c, Cap09, CN05, Dem04, GZ08, Hau08a, Hau08b, MJ06, TT05a, TT05b, WT07b, YKG04, YH07b]. non-linearly [Tok06a]. non-local [KB04, LSA06, Pav07]. non-matching [JGJL06, JGLJ07, LVL05]. Non-Monte [Dem04]. Non-negative [NV09]. Non-oscillatory [BTW04, BS00a, Hub07, Abg06, BCCD08, CP08, DK07, DKT07, HAP05, TWM07, ZSWW03, ZS06]. non-overlapping [LVL05]. non-parametric [Kou09]. non-periodic [GHB03, LCCG05, SAK05, SLV09]. non-polynomial [YS06]. non-radially [KLSW09]. non-reactive [HS06]. non-reflecting [AB03, GN03, NN04, PWM06]. non-smooth [Ber04, CS06, CS07d]. non-staggered [CSL08]. non-stationary [GS06a]. non-thermal [DSM09b]. Non-uniform [Kl03, Vas00, Cap08a, HK08, Hu05, ISY05, KK3b, SZ05, STZ07, TB04, ZIP06, ZT03]. non-uniform [KA08]. non-viscous [GGS09]. nonaffine [NGU07]. nonaffine-parametrized [NGU07]. Noncompact [GBGM01]. nonconforming [Fou06]. Nonconservative [Wu01, CR09, RBVdV08]. nonconvex [Ser09]. Nondissipative [KPP09]. Nonequilibrium [VDM02, KLM07, LRS07, Os07]. Nonhomogeneous [FP02, GC01, FG04, FG05]. Nonhydrostatic [BF00, SMT08, GR08, MM09, SK08b, SW08c]. Nonlinear [AL01, BR01, BC01, Boy02b, CKF02, CSP01, CRD02, DZ00, FGG01, FT01, Gl01, GPL05, GLN09, HZ02, IK01, KLN01, KK00b, KJ01, KU01, KT00a, LMS02, MF01, Mav02, NIE01, PR01a, SA02, SK02, SG01, SGG04, Si02, TS01, WK01b, YL01, de 00, ARR09, AMH04, AKV06, AMXL09, AG08, BHS03, BFT07, BFT09, BN04, BB09a, BS06b, BG05b, CHL06a, CL08a, CHL09, CB001, CK03, CL06b, CC03, C007, CLS09a, Chu09, CF09, DH07, Doh09, DKT07, EK09, Fan08, FT05, FL07, FWR07, FG07, HZ08, HK08c, HL06b, HYL07, HLL08, HH09, HC05, JTL09,
KSH$^+$06, KLSW09, KT07, LWT09, LSY04, Low04, LL08b, Ma05, MY06a, MKOW04, MY09, MESV09, MT07b, Mou04, Nas08, NPC09b, NF09, NL09, OCF08, PSD09, RSS09, RGK07, Sac07, Sau04, SS07c, SP05c. **nonlinear** [TTZ03, TWM07, WFTS05, Wan05, WK07, X05b, XH07, XG09, YM07, YL09, ZJS08, Zhe06, Zhe07, vdVX07]. **nonlinear-multigrid** [HWWL09].

**nonlinearity** [LY07a]. **Nonlinearly** [LAS01]. **Nonlocal** [BZB00, FS00a, FS00b]. **Nonmonotone** [SL07c]. **Nonorthogonal** [LP02, FT05]. **Nonoscillatory** [JMP02, TH01, WC01, WH02]. **Nonparabolic** [Rom02]. **nonparabolicity** [WHLL03]. **Nonparametric** [Mac00]. **nonreacting** [DBS06]. **Nonreflecting** [AGH02, Ata04, Giv01, Gro00, GK07, RC00, AG08, Zhe06]. **Nonseparable** [TNR02]. **nonsmooth** [FCJ08a, FCJ08b]. **nonspherical** [DTS05a, DTS05b]. **Nonstationary** [IKL$^+$08]. **nonstiff** [CR07]. **Nonsymmetric** [DF00b, JHZ$^+$09]. **Nonuniform** [GZ01, HLS02b, HA02, LLQ$^+$02, MN02, LG05, Rem06, SS09a, VB08, WA08]. **norm** [SVH$^+$06]. **normal** [ND04, RM07, TW05, TR07]. **normalization** [Tow09a]. **normalize** [Hag07]. **normally** [NTB07]. **normals** [FB08, RMB07]. **Note** [Ano03y, Ano03z, Ano08-51, Del01, DF00b, Poz01b, Wu02, Ano07-32, GX07, GJK09, GS03c, TL06, UYK$^+$04]. **Notes** [Ber06a]. **Novel** [BU02, DC01, DSS00, EG08, FGP08, LSA06, LL04b, LNX09, M08, Pap08, SL07, dSMF09]. **Nozzle** [CGH05]. **NS** [WLC$^+$06]. **Nuclear** [Safo0, BRD$^+$04, KP07, PGB05]. **null** [CEL06]. **Number** [AKY01, Cor00, DKK01, FH09, FG02, HT00b, LLK01a, MP02, MHS02, MPM02, NTYT02, Nic00, PW01, SBG00, SSD00, Tol02a, WPM02a, ZRR00, Ano04z, BDH09, BDR$^+$04, BTW03, CLB08, Del07, DBB08, DDD09, DST07b, Heu03, JS05, KKK08, LG03a, sLwG08, LM08c, MT03, MDR07, NMH$^+$07, OTCM08, FRP08, RE07, RB09b, SM06a, SF06, TSG$^+$06, TMD$^+$08, VK05b, XH03, XP04b, XLP05]. **Numbers** [AC01, BEPT09, CTS07, DKS$^+$03, HY09, HY11, KP08, Lee07b, O07, OG07, SDX07, V03]. **numeric** [HBHS09]. **Numerical** [ART02, ART04, ACS00, ACLS03, APQ02, BS04a, BSW03, BJ03, BLW04, BL09a, BST01, BMRS01, BCG09, BCR04, BA03, BS01, BRL02, BPL06, BS06b, Boy02a, BC02b, Bur05, CPR05, CFA01, CHH06, CD04, CP03a, CBj06, CGRGV$^+$04, CQ04, COV04, CWL08, Cle00, CL03b, CB09, CF04, CM07, DW00, Dar00b, Del07, Den07, DJ04, EPW08, EE08, Eld07, Eih03, FLG01, FT05, FSB01, FP02, FLM08, FB02, GMD03, GSB09, GS02, GK01, GLS03, GPH$^+$01, GP00b, GC02b, HLB07, HMM02, HK02, HF01, HP01, HI07c, HSL08, HLWW04, HLWW06, HWW07, IG05, IM05, JLC01, JWS00, JW02, JZ04, JH09, JS05, KP07, Kan02, KSH$^+$06, KAIN01, KSW07, KML07, KMS04, KJ01, Krc02, LC04, LP00, Lem00, Lin02, LGK06, LOK05, LP04b, LP02, L06c, MR00, MCCT02, MRR05, MC09, MNN04]. **Numerical** [Mie00, MY06c, MC00b, MLS$^+$05, NS04, NLT08, Nys02, OKL01, OL01, PSC08, PD01, PSC03, PR01b, PIN09, PWS$^+$02, PCCD00, PO01, Pud06, Ram03, RCT07, RRC05, RGS04, RRL01, RH02, RFVP09, Sa02,
Sai02, SLY02, San01, SJ04, SK08a, SB09, SL04, SFVK06, SSND03, SSC00, SKW05, Sus06, TS01, Thu08a, TRSK09, Tok06a, TC01a, TCM00, TdAAP08, TE04, TV08, TPVG06, VC03, VR02, VPA02, VQSZ02, WHL03, Wee02, Whi00, WO05, WO09, WB01, XMT06, XG09, YM07, YFLS06, YVD00, YEO5, dWKL07, vBRK01, vZS07, vdBG09, AS03a, APP07, AK07, Ano04z, ACR08, AMP09, AM05, BL04, BW06, BCL06, BY07, Bar04, BFT07, BFT09, BV05, BDGL05, BL08, BWLM09, BCM09, BCT09, BW07, BP07, CLB08, CRAG07, Cec05, CM09, CMP07, CHG07, CHCOB09, CC04, CP04c, DMHP07, DWC09, DF04, DHM07, DLW04, Ekd08a, FDD07, FR03, FPT05, FF03, FD09b, GCC03, GS07, GR04, GCL04, GKL03, HK06, HKM08, HP04a, HKG08, HS03a, Hoh06, HM04, HL05, HM05, HLRZ06, HPS06b, HMR08, IKS09, JD04, JW03, JS07, KK03a, KW08a, KK05c, KK05d, KH07, KDF07, KSJ03, Krr01, Kry04, KN04, Lar07, Lau04, LM04, LDN04, LSA06, LKE04, LG07, LZ09c, Liu08, LL08a, Low05, LQ06, MM07, MCM04, MLD07, MTWW06, MCM0a, ML08, MT04, MWG06, MSB07b, MGNB09, NG06a, NT07, OPML07, OCF08, PDHP07, PC08, PM07, PSMW09, Pro05, QKS06, Ram06, Ren07, RSW06, RM0+09, Rom07, Ros09, RS09b, RV07, SB06a, SM09a, SDG07, SROCF03, SK08, SFDL07, SW08a, SSB07, SMS08, SW04a, SD05b, SP04, SP05a. numerical [CHCOB09, CC04, CP04c, DMHP07, DWC09, DF04, DHM07, DLW04, Ekd08a, FDD07, FR03, FPT05, FF03, FD09b, GCC03, GS07, GR04, GCL04, GKL03, HK06, HKM08, HP04a, HKG08, HS03a, Hoh06, HM04, HL05, HM05, HLRZ06, HPS06b, HMR08, IKS09, JD04, JW03, JS07, KK03a, KW08a, KK05c, KK05d, KH07, KDF07, KSJ03, Krr01, Kry04, KN04, Lar07, Lau04, LM04, LDN04, LSA06, LKE04, LG07, LZ09c, Liu08, LL08a, Low05, LQ06, MM07, MCM04, MLD07, MTWW06, MCM0a, ML08, MT04, MWG06, MSB07b, MGNB09, NG06a, NT07, OPML07, OCF08, PDHP07, PC08, PM07, PSMW09, Pro05, QKS06, Ram06, Ren07, RSW06, RM0+09, Rom07, Ros09, RS09b, RV07, SB06a, SM09a, SDG07, SROCF03, SK08, SFDL07, SW08a, SSB07, SMS08, SW04a, SD05b, SP04, SP05a]. Numerically [Shi07, SS06b, Sme06, SFMP06, TMS06, TM07, TW07, TG06, Tsy03, UL06, VVM05, VSV03, VGBZ09, VGL07, VBL03, VBL04, WT07a, WB09a, Wen07, Wen09, WMH07, YXL05, ZSW03, ZSWW03, ZWS06, Z808, ZT03, ZD08, dSMF09, VB08a]. Numerically-induced [RV09]. Nunziato [AW04]. NWP [Thu08b]. Nyquist [KP08]. Nyström [FWW04, HyLL07, TC07b].

**OBC** [Ano07-27, Ano07-28, Ano07-29, Ano07-30, Ano07-31, Ano08-34, Ano08-35, Ano08-36, Ano08-37, Ano08-38, Ano08-39, Ano08-40, Ano08-41, Ano08-42, Ano08-43, Ano08-44, Ano08-45, Ano08-46, Ano08-47, Ano08-48, Ano08-49, Ano09-49, Ano09-50, Ano09-51, Ano09-52, Ano09-53, Ano09-54, Ano09-55, Ano09-56, Ano09-57, Ano09-58, Ano09-59, Ano09-60, Ano09-61, Ano09-62, Ano09-63, Ano09-64, Ano09-65, Ano09-66, Ano09-67, Ano09-68, Ano09-69, Ano09-70, Ano09-71, Ano09-72]. **Object** [DPRS01, QRHD00, RFFP06, TZL05, ZSC08]. **Object-Oriented** [QRHD00, RFFP06, ZSC08]. **Objective** [MC03]. **Objects** [AvdB04, ADR08, IQT08, LZH0+06, RW03, TC09b, Xu08]. **Observables** [JLOT05b, JLOT05a]. **Observations** [KS02a, CHM08, HM08, KYK07]. **Observer** [BCI+08, VS07]. **Obstacle** [FNS07, GG04, Lee07a]. **Obstacles** [Pai01, BG09, KS09, TC07b]. **Obtaining** [GWF0+07]. **Ocean** [Ano08-50, Bla00, DOWB01, Hig02, KN09, MR01, SM09b, HHPW08, Hig05, Jan08, Lcr06, PHW08, SP06a, Wen09, WDD0+03, WA09, WdN06, dNWvSD07, dTW09]. **Ocean-climate** [dNWvSD07, dTW09]. **Octant** [MY07]. **Octree** [HH07a]. **Odd** [RV07]. **Odd-even** [RV07]. **ODE** [HR01].
ODEs [CPKW09, Tok06b]. off [GGS09, MT07a, SZB+07, Vil08, YFLS06]. offsetting [Jia07]. oil [LCH03]. One [BMRS01, CWT00, DMG00, Del01, FSY00, GKE04, LT09b, MR00, MR02, PL01, QLK07, RB06, SFY01, VD00, VO00, VS02, ZQ09, AB03, ABK09, AI09, BTW04, BFT07, BS04b, Bil05, BDCG03, Boy03, CGSR08, CC07, Cho05, CR09, DT04, DBTM08, FS09, GM04, Gos04, GM06, HH07b, HZ08, HAP06, HGB+03, LKKX04, NFA03, Q504, SR09a, SKWN03, SK04b, WO05, Xia04, Zhe06, HA02]. One-Cell [VC00]. One-Dimensional [BMRS01, CWT00, DMG00, Del01, MR00, MR02, PL01, VS02, GKE04, QLK07, ZQ09, AB03, ABK09, BDCG03, CC07, CR09, GM04, Gos04, GM06, HZ08, HAP06, HGB+03, NFA03, Q504, SKWN03, SK04b, Xia04, Zhe06]. One-fluid [LKKX04]. one-parameter [CGSR08]. One-sided [RB06, HH07b, SR09a]. one-step [DT04, DBTM08]. One-Way [FSY00, SFY01]. onset [CGM07]. onto [NTB07]. Open [Liu09b, SS07c, BP06, BTC05, BF07, CZVS04, JR03, JR04, LZ09a]. open-channel [CZVS04]. Operator [KL,N+01, KK00b, PRT00, Spo00, TK04, BG05a, CW07, CFR08, DD05, DWC+09, FL09, IAT08, KK07, Lab09, PAD07, PC06a, RS05, RS09a, RBK09, SRM06, TBT+09]. operator-stable [PC06a]. Operators [Edw00, Her00, Lem00, MHS01, NR01, BO04, DK06, Gra06b, Her09, Heu03, LM08b, MN04, MN17, RS05, RS09a]. Optical [BV00, GHV00, Lin01, WH00, BBD04, FH03, KM03, KNH05, MWM08]. Optics [Gos02, OCK+02, CQW05, JW06]. Optimal [BHS03, BC08, CHG+07, CKL00, FH02, HZ07b, HN03, IF09, KFIG06, KMA+01, MO06, NvL03, WR09, BHNPR07, CBGI09, DCF+08, FLB03, HH08, HAP05, Lin08, MG05a, NL08, PEC03, LSM08, SY09b, TW05, TR07]. optimality [PVR07]. optimisation [Pro03]. Optimised [Kim07]. Optimization [CD00, HGM+00, IFZ01, JK02, KMS02, MK02a, SO01, RBSL06, SSSW00, SKK+08, TWM07, TSG02, TS07, AS05b, AJT04, AA06, BP09, BP04a, BTWGVW07, CKV07, DCF+08, DAJ07, FLB03, GJK07W07, GJK09, Ham07, HSBG05, HE07, HSO9b, LTWW07, LLL+08, LTM09, MS08a, MC03, MD06, Pir07, PL08, Pro08, SHA08, TW03, WLKW07, YMW06, ZL08b, MS08a]. Optimization-Based [KMS02]. Optimized [AZ03, BS09a, BM05, CL01b, HB05a, SHWW00, WC01, ZT07b, MTWW06, PSG05]. optimizing [Hab04]. optimum [LT09a]. Orbit [YM01, PH09]. orbital [Küm04b, LZ07, SLG+03]. Orbitals [GM01c]. orbits [KG03, SNGAS04]. Order [AC00, ACV00, BS00a, BISS01, BR02, BK01, BS01, CL01a, CKGL02, Coe02, CR00, CSP01, DVO2, DZ00, DLS+00, FT01, FT09, GC01, GFCK02, GH02, Giv01, HLS02b, HW02, KC00, KB01, LP00, Lai02, LS00, MC01, NR01, NC00, NC01, Nys02, OGV02, PKP01, PM00, QS02, SL02, TK00, TX00, TS01, TSO2, VCP00, VAS00, VG02, WH02, XC02, XK01, YP01, YL01, Zha02, ZS01, de 00, AM03, AM04, AV05, APTJ+04, APP+07, AIN04, AMR06,
AV03, AG09, AC09, AB05b, AT05b, BS04a, BC05, BKST09, BGN07, BFT07, BFT09, Bea08, BC08, BMB07, BRC09, BdCB09, BLM03, Boy06, BSW05, BGLN05, BH04, BHP07, BL03, CT09, CVB06, CP03a, Cap08c, Cap09, CT08a, CC03, CP04a, CC07, CS07a, CKZ04, CS06, CS07d, CRB08, CR09, CFP06].

order [CBS05, CF04, CFJ09, DT04, DSM09b, DPRN05, DC07, DPP08, DTM06, DR09b, DDFT09, DK07, DET08, DZ09b, EKB09, FNS07, FR08, FB08, FOLD05, FD07, FR03, FK09b, Fox08, Fox09, GPC07, GG04, GH08a, GS09, GG03, GF05a, Gir06, GN03, Gom08, GR04, GBS06, GP05, GHMP07, GL07, GL08, HH07b, HMOG08, HWW08, HH08, Hau08a, Hau08b, HMP07, HAP05, HAP06, HJJ09, HMMR04, HMNO05, HJM07, Hub07, HB05b, IX09, IM07, IQ08, JH06, JD09, JBF07, JCM03, KSO05, KKM08, KE06, KCG07, KZ04, KT06, KK05a, KK05b, KP08, KLK07, Kok09, KT05, KPP07, KB06, Kri07, KWD07, KQ03b, Lab09, LL09, LSD07, LM08a, LT03, LG04, Li08a, LSZZ08, LN09, LF05, LRZ04, LCS09, LS09, LF04, LB03b, LCdCN03, MZ08, Mai09b, Mai09a].

order [MS03, MRS09, MV08, MN06, MY06b, MG07a, MP05, MOG09, MG06, MG07d, MG08, MC07c, MPH08, MPFC08, NLF03, NPH09, Nas08, NM06, NGO08a, NGO08b, NPC09a, NPC09b, Nis07, NPP06, NS07, NF09, NGvd09, ODAF07, Ols07, Ols09, PKD07, PP04, PRL03, QW05, QA09, RP08a, RRW05, RDP07, RH05, SZ08, SGFL09, SDM04, SM04, SPM03, SFE07, SMB09, SZ09, SS05a, SZZ03, SZ05, STZ07, SY03, SP05b, SCW04, SL06, SP06b, SRX07, Sus03, SN06, SCN07, SN08, TMS06, TM07, TLD04, TWY06, TFD06, TCN09, TD07, To07, To08, TB04, VGCN05, VWW04, Wan04a, Wan04b, WL06, WM07, WSYS09, WZ09, WGRA09, WD07, WZ07, Wen07, Wen08, WA08, WAH09, WMM07, XS05b, XS06, XCR08, XS05c, YM01, YC09a, YC09b, YP06, YHSX07, YS07a, Yeh07, YZ06, Yon07]. order [YZW05, ZKDT07, ZL04, ZP05, ZJ09, ZW04, ZT03, Zho07, ZFFW06, ZYHS07, vZdBB07]. Order- [FT09].

Ordering [NL08, SNLS03]. Orders [GST02, MB01]. Ordinary [MOvL00]. Ordinates [Coe02]. Organic [deM02, Lap03]. organism [LB03a].

organization [FY07]. orientations [LR07]. Oriented [OV00, QRRH00, BTGW07, RB03, RFP06, ZSC08]. origin [CL07b].

origins [Lyn08]. Orinstein [KP04]. Orr [GFR09, Meh04]. Orthogonal [AJG01, T07, TC02, Bia03, CRB08, LMS04, Nik06, ZJ06].

orthogonality [SS03a]. Orthotropic [LLN00]. Oscillating [OKL01, DGH08]. Oscillation [OF02, CJSS08, KLK08]. Oscillation-Free [OF02]. Oscillationless [XY01]. oscillations [BPM06, CBC09, Gos04]. oscillator [LT01]. oscillatory [Abg06, BTW04, BS06a, BCCD08, CP08, DK07, DKK07, HAP05, Hub07, TVW07, ZSW03, ZWS06, ZG06].

Osculatory [BR01]. Orser [FFS03, LBV00]. osmotic [WW07]. Ostwald [Hor06]. Other [Boy02b, MR03]. Out-of-Core [TR02a]. Outflow [EL02, EL07, FGP08, HAS05, HEN09, MJ07, SAK05]. Output [MPP01]. Outputs [VD00, VD02, VD03]. Outstanding [SS01b]. Overdetermined [Boy02b, Str07]. overfilled [Woo06]. overlap [SB06]. overlap-like
Overlapping [PW00a, WZ00, BSKH07, BHS09, DTMS06, HS03a, HS06, HS08a, KZ06, KP05, LVL05, Li08a, Liu05, TZL05]. Overlying [Str01b]. overmoded [LKD04]. Overset [BE02, FS04, SS05a, TJS03]. overset-grid [TJS03]. overtopping [LTD04]. Overview [OF01]. Oxidation [GR01]. oxide [GIA+07, GIA+08].

P [Gon07]. package [DFG+06]. packed [CLL07a]. packet [BS04d, BS06a]. packings [DTSC04, DST07a]. Padé [WH02, CDI09, Lur07a, SFY01, WH02, You06]. Padé-Gegenbauer [Lur07]. Padé-Type [WH02]. pages [DKX01, HT00b, LLIK01a, MP02, MPC02, NTYT02, PW01, SBGK00, Tol02a, ZRR00], pair [CHPR09]. paper [Aza09]. Papers [Ano00q, Ano00r, Ano00a, Ano00b, Ano00c, Ano00d, Ano00e, Ano00f, Ano00g, Ano00h, Ano00i, Ano00j, Ano00k, Ano00l, Ano00m, Ano00n, Ano00o, Ano00p, Ano01g, Ano01h, Ano01i, Ano01j, Ano01k, Ano01l, Ano01m, Ano01n, Ano01o, Ano01p, Ano01q, Ano01r, Ano02a, Ano02b, Ano02c, Ano02d, Ano02e, Ano02g, Ano02h, Ano02i, Ano02j, Ano02k, Ano02l, Ano02m, Ano02n, Ano02o, Ano02p, Ano02q, Ano02r, Ano01a, Ano01b, Ano01c, Ano01d, Ano01e, Ano01f, Ano01g, Ano01h, Ano01i, Ano01j, Ano01k, Ano01l]. Parabolic [RR02, SPW+00, ARR09, AKV06, BR09a, G03, H09, J08, MP08, RSTB03, SK05, UPK09, ZWS07, ZSP08], paradigm [CBG09, G05, LSW06, OK06b, SW04b], Parallel [ABHT03, BADG00, BLW01, BD01, CWW000, CP06b, CP06c, CGSS00, DPP00, DSB06, GTD00, GTD01, GW02, HS08a, KP00, L09a, MC04, dIFMBdFM02, Mu02, PM00, QRHD00, RXH02, TZ03, TSL05, W00, ABZ+08, BPS03, BBW06, BCM09, BDS07, BUEG06, CTW+08, CV02, CH009, CWD08, CLS09b, EHST03, EHS+08, FHD+09, FMD+09, GH03, Gib04, HVAC09, HC05, J08, KSHS08, KKD08, KS07, LHR+07, LSS+09, LLRP09, LQ06, LZH+06, MC06a, M05a, MC09, MC03, MC03, ML04, PSCB08, PPCW06, PLS+09, QFR04, RKE+07, SWB+06, SDR07, SLG+03, SA06, Tol07, Tol08, TDGP06, WGS06, W03, XDB09, Y05, ZH09]. parallel-wall [BBW06]. parallel/recursive [G04]. parallel/unstructured [LZH+06]. parallel/unstructured-multigrid [LZH+06]. Parallelization [DDK06, FSO0a, HJFW04]. Parallelized [OMK09, ZWL02], parallelizing [WE05]. paramagnetic [KH08, K08b]. Parameter [Zad08, BV05, CGSR08, DR09a, FP08b, LJS08, Sha05, RW03, vdDA06]. parameterization [CHG+07, LTWW07], parameterizations [DAJ07]. Parameters [GST00, HFO01, AB05a, BLW04, EN06, KF06, K09]. Parametric [Mac00, XS07, BMN05, BGN07, BGN08, BBK07, K09, LRMB08, SK07a]. Parametrized [POP00, NG07, NG08]. Parasitic [JTB02]. Paraxial [QS01, DDGS09, GS09a, GGRS08, QL04], parity [VBJ08a, VBJ08b]. parity-mixed [VBJ08a, VBJ08b]. Part [CC07, CFGK05, CY05, FC05, HDGK08, HT03, IX09, KM07b, KS05c].
KK05d, LG09, Lio06, NMM⁺⁰⁷, NMH⁺⁰⁷, PFSL07, SFDL07, SD05a, SD05b, TOZP03, Tol08, VBJ80a, VBJ80b. Partial [AGT02, ABGV02, BCOS01, CKL00, FDK06, Hua01a, MF01, PCS⁺⁰⁹, VB00, AGT05, AL06, Asl04a, BV05, CGP05, DI09, GBS06, KFIG06, LP04a, LcCN⁺⁰³, MK08b, MSO04, Ngu07, Ngu08, RBVdV08, RM08, SS08, SRNV07, XLS09a, YZ07, YZW05]. Partially [AGT02, ABGV02, BCOS01, CKL00, FDK06, Hua01a, MF01, PCS⁺⁰⁹, VB00, AGT05, AL06, Asl04a, BV05, CGP05, DI09, GBS06, KFIG06, LP04a, LcCN⁺⁰³, MK08b, MSO04, Ngu07, Ngu08, RBVdV08, RM08, SS08, SRNV07, XLS09a, YZ07, YZW05].  

Particle [AL01, Azi02, Bal02, BZ08, Bow01, CVB00, CPK02, CL01c, CSP01, CB02, ELC02, EFFM02, FPC⁺⁰⁰, FR02, GVT01, HKKS⁺⁰¹, i02, KB00, Lap02, LM01, LDL⁺⁰⁹, LK01, Par02, PM02, PH09, PPCW06, PF01, QRM⁺⁰⁹, RH01b, SSV01, Sni01, SPC01, Ver01, VCTS02, WK01a, WLC⁺⁰⁸, Wea09, WHV⁺⁰⁰, ZF02, ZK01, ASPB03, AWK07, AMP09, ADR08, BST03, BZ04, BHR06, BOT05, BB09b, BB08b, BB09c, CGSR08, CL08a, CPK09, CFL⁺⁰³, CL08c, CP03c, CP07, CL03b, CEL06, DMHP07, DL03a, DFV08, DZ09a, DST07a, ECL02, Eld07, ESE07, FS09, FKV08, FHLO08, FHD⁺⁰⁹, FHLK05, Fox08, FG06, FM06, GS09b, GK02, HGBH03, HD07, HNF07, HJK008, HK05, HK08b, HK08c, HX05, HS04, HT03, HDR⁺⁰⁶, HRV08, HS07b, HHM04, IITV07, JH06, JD09, KZW09, KFV07].  

Particle [KP05, LJ⁺⁰⁶, LGKP07, LK07, LMX⁺⁰⁸, LWDA09, LZ09b, LZ09a, LM03a, LD007, LKO05, LMO07, MP07b, MP08, MO06b, MCP03, MH05, NBLQ09, NLL06, NFA03, OK06b, PK05, PMP08, QFR04, SSW08, SW08, SBB09, SS08, SK08a, SK07b, SBC04, TAP03, TM05, TMS07, TKH09, TU04, VHI05, WH06, Wal03, WYS09, WGR07, ZK04, ZH04, ZP05, ZP06, ZB07, ZL09, ZKS⁺⁰⁹, ZZ09]. particle-continuum [SB06b, SS07].  

Particle-Field [SSW01]. particle-flow [AMP09]. Particle-In-Cell [LP02, Bow01, CB02, LDK⁺⁰⁹, Par02, QRM⁺⁰⁹, Sni01, SPC01, PPCW06, CP07, FHD⁺⁰⁹, FG06, GS09b, HDR⁺⁰⁶, IITV07, JH06, LWDA09, OK06b, QFR04, SK07b, WGR07]. Particle-In-Cell [TU04]. particle-localization [HNF07]. Particle-Mesh [FR02, LK07, LKO05, SWB⁺⁰⁶, Wal03]. Particle-Particle [FPC⁺⁰⁰, TKH09, Wal03]. particle-solid [HS04]. particle-source-in-cell [JD09]. particle/finite [ZH04]. particle/finite-volume [ZH04]. Particles [AKV00, Gut00, HHL00, AD03, AGW07, CGL08, DTS05a, DTS05b, FM04, GH09, Hew03, JVS07, KHaI⁺⁰⁸, KMS08, LK09, LMK09, PH06, SK08a, SP04, SK05, VM07, VK05b]. Particulate [GPH⁺⁰¹, BCM09, DMO03, DGM03, FM05, LM03b, LMK09, MAr09, PH08, RMG⁺⁰⁹, SP05a, UH05, WT07a, YSW06, YS07b]. partitioned [BNV08].  

partitioning [MG05a]. parts [MN04, MN17]. passivation [GKJW07]. passive [BS06a, RSM05]. Past [HGM⁺⁰⁰, PW00b, PW01, CHBS04, DCK08, GPH⁺⁰¹, JD04, KR09a, MAL09, PA01, SLC07]. Patch [SK08, KP09, PDHP07, SO08]. patch-based [PDHP07, SO08]. patch-refined [KPP09]. patches [CLS09b]. Path [PW00b, Sto07, BLL03, CLMR08, CM06, Wea09]. path-consistent [CLMR08]. pathological [LJ09b]. paths [Liu08]. Pattern [HK01, WWVG00, MWM03]. patterns [LT09a, SM09a]. PCICE [Ber06a].
**PCM** [FWK08]. **PDE** [CFS09, EV03, FSS03, FP08b, GS03a, HMR08, PBI04, Pro08, SBA07, SPLM09, TCO+04]. **PDEs**

[AC00, ACY00, BMRS01, BMRS02, DGRS08, Dri02, JW09, Kro05, PL08, Ram06, RSTB03, RMO00, SV07, VBJ08a, VBJ08b, YBZ06]. **PDF**

[LM03a, MCP03, AJ09, BFB08, CP03a, CRAG07, JPMC01, JML+01, LM01, LLRP09, MPC01, MPC02, RJO6, ZH04]. **Péclet** [MH02].

**Penalization** [CBGI09, KDK+07, KS09, LV07]. **Penalty** [DDH05, DLD08, GLLN07, GLLN09, HH08, JLL+06, PR06, Sha05, WG09]. **Penalty-projection** [JLL+06]. **Penetrable** [BG09, HB05b]. **Penetration** [TU04].

**Perfectly** [DH07, Doh09, GGOB04, Hu01, Kan02, RJ04, SP05b, Vay02, BFJ03, BHNP07, CLL+07b, GKD09, HLL08, Nat06, OK07b, PL09a, Rah04, ST04, Ze07, dHRvdB07]. **Perforated** [ME09]. **Performance** [ABZ+08, LSS+09, Pir07, STD+05, SS01a, WPM+02b, CGMS03, CFR08, DSM09b, NZ07, OK07b, PAD07, QKS06, WdND06, XYK05, dHRvdB07].

**Period** [AKH06]. **Periodic** [BD01, TB00a, ZF02, CDHST08, Dur08, EZ08b, FCT07, GH03, HB05a, HM04, JCT07, KMS03, KH07, KG03, LG07, LCCG05, MKOW04, OJW06, ON08, SNGAS04, SROCF03, SZB+07, SAK05, SL09, vdW08]. **Periodized** [KR09c]. **PERM** [MP08]. **Permeable** [HST09]. **Permittivity** [ZC09].

**Perspective** [EGP09]. **Perturbation** [LTZ03, UH01, ES03b, MDR07, Nic09, YHCD05, ZL04]. **Perturbation-based** [LTZ03]. **Perturbational** [GB08a]. **Perturbations** [CP03c, RV09]. **Perturbative** [NR01]. **Perturbed** [AV03, CJR04, Jao07, LCW04, Moo07, SM06a]. **Petrov** [LSJA05, Ma05]. **Petviashvili** [LY07a]. **Phase**

[AG09, BEA09, CFA01, CPT01, Cha09, Cle00, EKK02, EF02, GS02, GW02, GW01, GP00b, JLCD01, MR00, MR02, MP01b, NDG05, OCK+02, PS01, SP00, WW00, WHV+00, Xu01a, YSC01, YZF+06, AW04, AMS03, BC03, BFC04b, BIS07, BS03a, BJ04, CET09, CR05, CA06, CW08, CQRW05, CRM08, DM03, DDK06, DP07, DP08, DSS07, DSO9a, DDS09, DLW04, EGHE06, EKP06, EKPO7, FR08, FYH+06, GFG09, GCNB07, GR07, GD07a, Her05, Her08, HZ07b, HA06, HA07, HA09, HWL09, HH06, IKL+08, IOT04, IS04, IH04, JL06, KSO+05, KW03, LL05, LCB09, LMS08, LMO03b, LHGF05, Low05, MR06a, Mar06, MKKK06, MR06b, MDS03, Mom04, MG05b, NMG09, OLA08, OK05, OKZ07, QS07, RMB07, RMG+09, RJM07, RJM08, RM07, SWK06, SY09a, SS06a, SYC09, SNLS03, SL07c, SB07, Phase] [SXyWX09, SSH+07, TLK07, TMB07, TBT+09, TGB+07, TJL08, XM06, YZ07, YF06, YC06a, YC06b, YHCD05, YSO7, YE09, YEO5, YZF07, ZDD09]. **Phase-Accuracy** [MP01b]. **Phase-Field**

[GW02, MR02, BEA09, NDG05, YZF+06, BJ04, FYH+06, LCB09, RJM07, SY09a, RB07, TLK07, TBT+09, XM06, YFLS06, YHCD05, YZF07]. **Phase-lag** [MKK06]. **Phase-screen** [DS09a]. **Phase-Space-Based** [OCK+02, CQRW05]. **Phase/vapour** [BW07]. **Phenomena** [BMS00, BP09, HGB03].
phonation [LMZ+08]. Phonon [GT09c, VP00, GS05a]. Photon [Cul01, Bar04, BS07, Cha07a, DMBS05, FEL+05, WMH07]. Photonic [CD00, DGP00, SP05c, DD05, DBB06, ON08, YLA08]. photonics [DH07]. photothermal [CR08]. Phys [ABRR09b, CL08b, AS03a, JLOT05b, JLOT05a, KDO05, MR03, MK04b]. pH [Cul01, Bar04, BS07, Cha07a, DMBS05, FEL+05, WMH07]. Photonic [CD00, DGP00, SP05c, DD05, DBB06, ON08, YLA08]. photonics [DH07]. photothermal [CR08]. Phys [ABRR09b, CL08b, AS03a, JLOT05b, JLOT05a, KDO05, MR03, MK04b].
CGMS03, CSS00, CDV07, Dys01, GS06a, GFCK02, GM06, GBGM01, GS09c, HPS06a, HZ02, IKS+09, JM05, Lai02, LLY05, LFK00, LW07, ML05, MP01a, MP02, MCGV04, Mil08, MGC06, NLL06, PB00, Poz01b, SSN09, SBCL06, VVM05, WWC07, WZ09, Zha02, ZS01. Polar
[CSS00, CL02, Lai02, MC00b, SR09a]. Polarization [CD00]. polarized [GCW07]. poles [BM05]. Pollutant [ZKK01, BES07]. Pollution [FCB02, SD00]. Poloidal [BT07a, BT07b]. Poloidal-toroidal [BT07a, BT07b]. poly [GIA+07, GIA+08]. polycrystalline [CP05].
polydisperse [LMV04]. Polygonal [WS01, GL08, LSS07, LSV09, LS05b, YS08, ZL08a, dVGLM09].
polyhedral [AS07, BAYZ08, CT07, LSS06]. Polymer [GIA+08, AKH06, CFF07, CKPW07, FT06, HLFB07, LMK03, LWF+08, SXyWX09, VC03, YFBH07]. Polymers [FS00b, SK06]. Polymorphic [GLMH09].
polynomials [Boy04, LBS+04, SR09a]. polysaccharides [TLAD04].
pom [APP+07]. pom-pom [APP+07]. poor [FRS08]. population [CPKW09].
Potential [HSK00, KT07, PC02, PO01, ABK09, BEE06, CS05, Del07, GD07b, HB05a, JR03, JR04, KW08a, KJ09b, MG07a, Mil08, NG06a, NLT07, OLL03, OCF08, Sac07, SCT06, SB09, YCL05, YF09]. Potential-based [KT07]. Potential-Theoretic [HSK00, HSQ03]. Potentially [CH01].
Precipitation [TMSW07]. precipitator [SS00]. Precipitation [TMSW07]. precipitators [BISS01]. Precise [BCGR05, KW08a].
Preconditioned [DMG00, Hu07, MVD04, MG02, AMLC08, BPS03, BH04, CP06b, CP06c, HLY09, HC05, Lee05, Lee09, LZH+06, MYW07].
Preconditioner [AHPT07, APT09, EHST03, EKP07, GGMN+09, GT05, Gr09, KSO+05, Lab09, LSS+09, RWMK03, RKE+07]. Preconditioners [BFG08, BT09, CdHST08, EHS+08, GH03, STD+05]. Preconditioning [Azn04, Ben02, DD09, Gla01, He05, HC08, MKR00, SC01, Yan05, H08a, IF09, LZL03, Lee07b, MY03, MK03, NOG08a, PNM09, PPB09]. Precursor [DW09]. predictability [CC08a, HMA05]. Predicting
Prediction [CKL00, KIHM09, SMS08, APP+07, CC08a, HL04, Ler06, Löh04, Lyn08, NLT08, PGN08, SW08c].
predictions [EHD08, HPD09]. predictor
[CPKW09, CMSZ09, LRS09, TWYC06]. predictor-corrector
[CPKW09, CMSZ09, TWYC06]. predictor/multi [LRS09].
predictor/multi-corrector [LRS09]. Preface [Kou08, OKV07, OT01].
Prefactored [Hix00, AZ03, PSG05]. Preliminary [DP00]. premixed
[MMP07, vdBG09]. preprocessing [SK04b]. prescribed [Xu08].
Presence [CS00, AV03, HP04b, LSK06, MLFG06, PIN09]. Preservation
[Car01, BD08, IS04, MY07, SCC09]. preserves [CS08c]. Preserving
[BS00a, CRB00, CL01b, DDSV09, LW01, RM01a, SH07c, TR02b, TS02, AS05b,
AT08, AB05b, AMSZ03, AMS04, BLMO8, BD06, CGL08, CS09, CLS09a,
CDV07, DT04, JW06, Kok09, KWD07, KS0W, LS05a, LLZ07, LW04,
MS03, ML08, MOG09, PGS05, QM03, RGK07, SLV09, VV03, Wen06, XP04a].
Pressure [AMLC08, BT02, Cod01, JL02, LLIK01a, LLIK01b, MD01, Pet01,
SS02, AMH04, CSL08, EZ08a, GR07, GS09c, JL04b, KIHM09, MTV08,
MB04, MD03, NVD05, NMS07, Pap08, Pou06, RVM07, RVD09, Ros03,
SAM05, Utm08, vBK03]. Pressure-Based [MD01, SS02, MDS03].
pressure-corrected [MB04]. pressure-correction
[MTV08, RVM07, RVD09]. pressure-invariant [vBK03].
Pressure-Poisson [AMLC08]. pressure-velocity [Pap08].
presur/density [Ros03]. primal [AAC07]. primitive
[BG07, CTT08, HHPW08, IHL03, KSO+05, PHW08, SHTB09].
primitive-equation [PHW08]. primitive-variable [SHTB09]. Princeton
[KN09]. principal [LM08b]. Principle
[Rom02, SSSWD00, Abr06, KSS09, MG09, SPGR06]. principles [WD07].
prior [RBT03]. priori [KK09, Ry05]. priority [Pau07]. probabilistic
[FWK08]. Probabilistically [ABLS05]. Probability [Pop00, MJ07].
Problem [AK00, AVO02, BS00b, BS01, CSV00, Del01, FS00b, IY+02,
IFZ01, KLVbL02, LR01b, MPP01, MM01, MN02, Mit00, Poz01b, PG02b,
Stu01, TK02, WB01, Abr07, Abr09, AW04, BL09a, BBO04, BFC04a,
BCE+09, BTT08, Bia03, BO04, BEA09, BP04b, CFS09, CT08a, CDR09,
CMG09, DB04, DHM03, GH03, GF05a, GKL03, HEN09, HZ07b, Hoo06,
KH09, KNH05, Lee07b, Lee07a, Lee09, LS07, LS08b, MRR05, Mei04, Mil08,
NLT07, QCG003, RVM07, SWK06, SL04, SY09b, Sou09, SR07, TPV07,
VP09b, XSG04, YYF09, YE07, dVGL09]. Problem-Independent
[BS01]. Problems
[Al00, AL01, ADK00, ADK02, BR01, Bar02b, BMR01, BCOS01, BS01, BK01,
CWT00, CM00, DCS00, DKX00, DXQ01, DFT01, FGG01, GP00a, GK01,
HA00, HFO01, Kan02, KJ01, LL02, LTP02, MR00, Man02, NC01, OKL01,
OS01, PR02a, PL01, RW00, RRL01, ST01, VG01, VSMW01, ZRR00, AE03,
AM03, AM04, Ab06, APT+04, ABLS05, ARR05, AFGM07, ACR08, AG09,
AQ07, BS04a, BB08a, BB09, BBD04, BFC04b, BBM07, BHN07, BM05,
BF08, Bey09, BS07, BG05a, BS05, Bor07, BSL09, BL03, BG05b, CO04,
CT04, CC03, CBGI09, CELS07, CS08a, CXZ09, CS07c, CHG+07, CS06, CS07d, CT07, CFJ09, DPRN05, DPRN06, DIL03, DT03, DG09, DR09b, EZ08b, Eg07, FM04, FF03, FCGK05, Gab07, GZ07b, GT05, GN07, GM04, GP05, GK04).

problems
[GL08, Hab04, HJ09, HO08a, Hel09b, HMMR04, HY09, HY11, HF08b, IG05, JH08, JKT03, JH08, JC06a, JC06b, KP07, KK03a, KW08a, KZ04, Kau03, KEB+07, KFV+05, KS08b, KKO04, KPP07, KSS09, KS07, Lap04, LSA06, LZ03, LZ09b, LCW04, LHZW05, LDW07, LNXNT09, Low05, Ma05, MTK08, ML05, MS08a, MMS04, MR07a, MNR07, MN09b, MS04, MY06c, MR07c, MG05b, NPH09, NU09, ND04, NG06b, NL09, ON08, ODCK07, Ovt08, OM09, Pap08, PS03a, Pir07, PSM08, RMD04, RCB05, RDPN07, SKR06, SLV09, Shy04, SC09a, SL07c, SM06b, SHPC09, SPLM09, SN06, TWYC06, TD07, Tor03, TB04, TY07, UBRT07, VGCN05, VK05a, VSH04, VZSL07, WFTS05, XMT06, XHW07, Yam05, YAvdB+08, YH07a, YCL05, YJF+06, YZ070, ZG08, ZSP08, vOP04, vdDA06].

Procedure [DIV00, JK00, FDD07, LP06b, MKK06, Mil05, Mil06, Mil07, SHPC09, UL06, WYS09, XMT06]. procedures [BNV08, Cam03, CTW+08, Hua07, Roy05]. Procesi [FL09]. Process [JK02, LRN+02, Li01, Cam03, GS03b, KK05d, LL03b, LLTA07, YKK08]. Processes [LBD02, AT09, Chr04, FLB03, KMV03, Lau06, MDJS07, SS06b, SL06, VSV03, VK04]. processing [ALT08, FSS03, RC09b]. processors [GD08, KWBH09]. produced [KFH+04, KFIG06]. product [Ge06]. production [IR09]. Products [CSV00, DP07]. Profile [YXU01, LMK09, UYK+04]. profiles [CP07]. Program [BSJ01, WBM09]. programming [CVE06, DTSC04]. Progress [Jan08]. progressive [CF06a]. Projected [SWM01]. Projection [AGP01, AP02, BJ00, BJ02, BCM01, CM00, ERT02, GQ00, LKN01, LRN+02, LMS02, LB03b, MC00a, TC01b, VSMW01, WGC01, AV05, GBC06, Gri09, GF05b, HO03, JLL+06, KKM08, LRZ04, Löh04, MZ08, MCG08, MG06, MK07, Ni09, PFS07, SFDL07, SB06c, TC07a, Ut080, Vos06, XSL09, YP06, YSS05, ZP06]. projection-type [Lö04]. Projections [SS01a]. Projective [KEB+07, SDD07, GK03, RMG04]. Prolate [Boy04]. Prolongation [TR02b]. proof [Bae08, Boy06, KS08b, WZ07]. Propagating [SFW00, AS03b, BBF+08]. Propagation [BM01a, Dur00, ERT02, FT01, GHV00, GKL00, HHCL01, HK02, LL00, LMSV00, M02, MH02, Nee00, RTO1, Wee02, B09, BG05a, BS06a, CN08, CHG+07, CBI+04, DNS08, DS09a, DDGS09, EV03, FCG08a, GD06a, GGOB04, GGR05, HLS06, HSG03, HSP+06b, KTO6, Lau04, LGK04, LKN04, LK07, LTE06, MN06, MHI08, MR04, Pir07, PSG05, RBL04, Ros06, Shy06, Th08a, Tok06b, Vol04b, KS07, ZB07]. Propagational [CSV00]. Propagator [WH05, IH04]. propellants [SMG09]. propelled [HK08b]. proper [CRB+08]. Properties [JMP02, KMI01, Per00, Saf00, Saf02, Vas00, ZSP02, BL07, Ber06a, GMH06, HR07, Jor07, LKE04, NE05, Pir06, RH05, SW08b, SVB09, VBL07, XLM07].
Property [VS02, WP09, XS05a]. propulsion [SMP09]. PROST [RR02]. protein [GPVB07, MSP+06, XJ07]. Proteus [FM05]. Protoplanetary [dlFMBdlFM02]. Prototypical [VR02]. provable [GGF03]. Pseudo [Gom08, KvdVvdV06a, KS08, S008, THL06, YYT05]. pseudo-compressibility [KK05]. Pseudo-spectral [WPH00, HL07b, THL06, YYT05]. Pseudo-time [KvdVvdV06a]. pseudo-timestepping [HSBG05]. Pseudo-wave [Gom08]. Pseudopotential [CWWZ00]. Pseudospectral [BRB03, KT05, BS08a, BM05, BS05, Boy03, Boy04, BP04b, CB03, LT09a, PSD09, SZLW06]. PSM [ZWS07]. Publisher [Ano03y, Ano03z, Ano07-32, Ano08-51]. pulsating [HAP06]. Pulse [HHCL01, XS07]. Pulses [SFW00, Sau04]. pure [BACFT05, De 04, NDG05, YU05a, YSO07]. pure-compact [BACFT05]. purely [Jao07]. Purpose [DPCV02, ALT08, Kuz06]. PVM [dlFMBdlFM02]. pyramid [HLWW04, HLWW06].

QALE [YM07]. QMR [CP06c]. QR [Boy02b]. QR-Factored [Boy02b]. Quadratic [DDS09, Dur00, CHL09, CVE06]. Quadratic-Finite-Element [Dur00]. quadratically [Gon07]. Quadrature [DKTT07, SCD00, DFV08, FLM08, Fox08, Fox09, HWL08, HO08a, MRC06, NG06a]. quadrature-based [DFV08, Fox08, Fox09]. Quadrature-free [DKTT07, HWL08, MRC06]. quadratures [Chr03, DR09b]. quadric [TW03]. Quadrilateral [HLK50, SCD00, TC01b, ZYC02, BMT09, DPRN06, KT03, KT05, MJT06, NE05, YSS05, ZSC08]. quadrilateral-mesh [ZSC08]. quadrilaterals [PR04a]. quadtree [Gre04]. Quality [CBH03, SMO00, CSC+08, KK09, RMV03, SDCC05]. Quality-improved [CBH03]. quantification [BPM06, CDE06, DEHL06, KG06, PDL09, YZL+06]. Quantifying [HMA05]. quantitative [GR04]. quantities [AS03b]. quantized [DJ04]. Quantum [DE02, GM01a, JMK01, Lin02, MESV09, MK04a, RS02, dGLS05, dFS09, BP06, BM07, BCCV09, BNNP06, CL05, CL08d, CLL+07b, DDD05, DGM07, DDDC07, HLWW04, HLWW06, HWW07, JSCZ08, JN07, Kar04, KL09, LYC09, NTO+07, PA05, PVR07, Ram03, SB06a, SH07, TW03, VTV+07, Vos06, WBM09, YHSX07]. quantum-classical [BCCV09]. Quantum-corrected [dGLS05, dFS09, CL08d]. quantum-mechanical [DD05]. Quantic [SKAS01, WA08]. Quasi [CK08, CDV05, MY06a, MOvL00, QS01, VD00, AI09, BS04b, DT03, EZ08a, FHD+09, FHLK05, Gla05, HH07a, LCB04, LL09, MPD03, DDS09, Yeh07]. Quasi- [QS01]. quasi-elliptic [DT03]. quasi-equilibrium [CK08]. quasi-geostrophic [MPD03]. Quasi-monotonic [Yeh07]. Quasi-neutral [CDV05, LCB04]. Quasi-One-Dimensional [VD00, AI09, BS04b]. quasi-positive [EZ08a]. quasi-spectral [LL09]. quasi-static [FHD+09, HH07a]. quasi-steady [Gla05]. Quasi-Steady-State [MOvL00]. quasicontinuum [KLP+09]. Quasihyperbolic [PS02]. Quasilinear [LAS01]. Quasineutral [LJMc06, CDV07]. Quasirandom [AC01].
quenching [LLOT06]. Quest [Abg01]. Queue [JRS05, Pau07]. Queue-based [JRS05]. QUICKPIC [HDR+06]. Quiet [Pet07, SCW+09]. QWalk [WBM09].

r [MK08a]. r-adaptive [MK08a]. R3M [YH07a]. Radial
[SUW01, TW03, CQ004, FW07, FP08b, HF08a, LJW07, MT07b, RA09, SC08a, TB09, WF06, Yna06]. radially [KLSW09, LLS09]. Radiation
[BKR+01, DW00, DV01, HSK00, HG03, MKR00, SMP01, TSG+06, UH01, BKS07, BMD05, BSP06, BSW05, BD06, Cha07a, Cha07b, DS05b, Dic08, DST07b, ED07, GT05, GCL04, KLM07, KAS08, Lao04, LWG03, MR07c, MK03, OS04, Os07, Os09, RHPN09, RW08, RV07, SO08, dA04]. radiation-diffusion [OS04]. Radiation-Hydrodynamic [SMP01, SO08]. radiation-hydrodynamics [RHPN09]. Radiative
[BS00b, DK02b, Gen01, KM03, LTK+02, CS03, DDG02, FGOV00, FV01, LRN+02, ARRS09, AZ06, DGF09, DI09, DC08, FG05, GZ07a, GZ09, GS09a, KF06, KKS07, LTA07, MZ08, MS04, Pe07, ST06, SRN07, VSV03, WP09, X09, ZL04]. Random-Field [FD00]. randomized [ZGSD06]. randomly [HLRZ06]. randomness [WB09b]. Range [FPC+00, BDS07, FT09, HPS+06b, LT03]. range-limited [BDS07]. Ranges [GST00]. Rankine [JR09]. RANS
[KMID05, KS06, LS02a, SRM09, Tuc03, WK07]. RANS/LES
[LS02a, SRM09]. Rapid [Lau04, Sa02, hRT02, GBP07, GPV07, Nic09]. rapidly [KB08]. Rarefied
[F01, Mac01, Myo01, AK09, BB09c, GC06, KAA+07, L04, Mac03, Myo04, SFX03, SBC04, VS09, VVS08, ZRS06]. rate
[CMG09, OLA08, Tow08]. Rates [GGL+01, GP05, OH04]. Ratio
[AJG01, Car01, BP04, JA08, LL05, LF04, YZ07, ZSC06]. Rational
[PS09, BM05, BRB03, Boy05a, CF09, ZC09]. ratios [DSS07]. ray
[Min07, THN+07, RR07]. Rayleigh [CA06, GGL+01, TM05]. rays [MR06b]. RBF [SPL09]. re [LZ09c]. BEE06, KM06, KM07b, PWS+02]. re-entry
[LZ09c]. RE-squared [BEE06]. Reacting
[ML01a, CG05, CP06a, DHM07, DBS06, FL07, LM04, MLS+05, NS05, SK03]. Reaction
[BJ00, Li01, MOV00, RRV01, SWL00, SSC00, DC07, ELW04, GC06, HK06, HMR08, LRS07, LLOT06, MJ09a, Mad06, MM07, MKP08, MG07b, Moo03, Moo07, Pad06, RSO04, RS05, RSO9a, STD+05, VHS04, XDC09]. reaction-advection-diffusion
[Pad06]. Reaction-Diffusion
[Li01, SSC00, LLOT06, MJ09a, Mad06, MM07, MG07b, Moo03, Moo07, RSO04, RS05]. Reactions
[LX00, MEG02, SSC00, BCK09, KW03, OLA08]. Reactive
[BM01b, HLZ02, JPM01, MPC01, MPC02, dSA00, AT05b, BIL05, BLM03, CFL+03, DGJ03, HS03a, HS06, LMS05, RP08a, TMSW07, dDEK09].
Reactors [PCCD00]. Real
[Mit00, OB02, DDDC07, RBK09, SH07b, dWKL07]. real-space [dWKL07].
real-time [DDDC07]. realistic [CP07, FHJK09]. realizability [PSMW09].
Realization [ZSC07]. recast [MYW07]. receptivity [DS06b]. Reciprocity
[GHG01]. recirculating [RMG09]. reconstructed [VCG03].
reconstructing [JYJ07]. Reconstruction
[BISS01, DS08, HKS09, LS02a, RR02, SJ02, SR00b, ZC09, AS07, ÁDIM09,
AMS03, AMSZ07, BO05, Ba09, Boy05b, Cap09, CR08, DDS09, GSB03, JS07,
LSD07, LL04b, LHGF04, MP08, OK04, SGFL09, SAKDJO5, SS07b, TMD*08,
V09, XLM07, XLS09a, XLS09b]. reconstructions [MLFG06, TB06].
Record [SSWD00]. Recreate [SSWD00]. rectangles [Bi03].
Rectangular
[BdLL01, S00, CN05, HK08a, KPK09, NMM*07, Ni09, PKD07].
recurrence [CL08a], recursive [DSB06, Gb04]. recycling [LP06b]. red
[LL06b]. Redistancing [CT08b]. Redistribution
[RW00, AMS04, DG09, TTK07, TTZ03, WW04, WT07b, Y07]. Reduced
[CKF02, CKPW07, DR09a, KG08, LP00, TLAD04, BKST09, BC08, CRB*08,
CBS05, KT07, LP07a, LB03b, MG05b, Ng07, Ng08, PC08, QA09,
SVH*06, SK08a, YH07b]. reduced-basis [Ng07, Ng08]. reduced-order
[BC08, CRB*08, CBS05]. Reducing [Vi08]. Reduction
[HL01, SD00, AGCV07, AG09, BMR08, BTWGW07, CK08, DL03a,
FK07b, GZ08, LD06, MN09b, MKL06, MV06, PS07c, RA09, RFVP09,
VP09a, VK05b, ZSW07]. Reference [KMS02, PK07]. Refined
[GW01, DP09, FHWO7, Her08, KPP09]. Refinement
[Al00, AGT02, Bal01, DGH02, DL02, FH00a, AGT05, AE04, BC05, BV05,
BFG07, BL05, CR07, CBH03, CB01*4, CF06, FM06, HS06, HS08a, HG03, KAA*07,
KPP07, LP04a, LL04b, LK09, MCGV04, MC07b, MHE06, PC08, PDHP07,
PCP08, PL04, PC06b, RFPP06, SRX07, TFD06, TK04, YF09, dTD*07].
remining-based [CR07]. Refining [BH09]. reflecting
[AB03, GN03, NN04, PW006]. reflection [BS04d, So09]. reflectometry
[DSHH05]. Reformulation [ii02]. Regime
[BJM02, BKR*01, BC08, GC06, LQ06, LD09b, RB09b, SKK*08, SE04, VB09]. regimes
[CGL08, FK09a, JD04]. region [BC08, HE07]. Regional
[An00850, Lap08, SDCC05, SM09b]. Regions
[Bal02, CFA01, Cal02, MG07a, VRM07]. regressing [SMG09]. regridding
[W09]. regridding-remapping [W09]. Regular
[GC02a, LSS07, YXL05, dA04]. Regularization
[Poz04b, BT07b, BHSV07, CT04, CCT05, MK08a, PBH04, SY09b, vDA06].
Regularized
[BOT05, ADE*08, CFS09, FP08a, GE07, Kry04, SD08, TS08, WKL07].
Regularly [HM08, Mou07]. regulation [JR07]. Reinitialization
[HMS08b, HMS08a]. Related [RMO00, ON08, RSSL09, RSS09, To08].
Relation
[CL01b, LP01, CS09, CLS09a, KK09, LS05a, PSG05, ROS08, SLV09].
Relations [CL01a, SZ00, YJ06]. Relative [Cam03, RS02]. Relativistic [SZ01, BH09, BLG+08, DZ09b, FKV08, HJ07, HGB+03, KQW03a, KQW03b, MK04a, QW05, SK08a, SA09, ZSW03]. Relaxation [BR09a, BBR01, Car01, JP00, LP01, Pal08, BKS07, BN09, DP08, Del03b, Kiny04b, LSL08, Low04, PFSL07, PA07b, RSM05, Ros08, SFDL07, SPB09]. relaxation-projection [PFSL07, SFDL07]. release [Oh04]. relevant [Vos06].

Remap [ALGM01]. Remapping [DB00, NJX09, KSW03, LS05b, MS03, SPM03, WA08, WAH09]. Remapping-free [NJX09]. Remark [LS07, RS00]. Remeshed [CPK02, CFL+03]. Remeshing [AZC05, BIVC07, MK08a, MV08, WG06, ZLAC05]. removal [LLB05]. Removing [HS08c, DL03b]. renormalization [PFSL07, SFDL07]. repair [LSW06, SW04b]. Reply [CKR01, LM03a].

Representations [AKV00, FF02, MR01, Sum00, BHP07, CCT05, DGF09, HW08, KAK03, SAKDJ05, TW05, TRSK09, TR07, WL06]. representations [SL06]. representing [BP08]. repulsive [ABK09]. requirements [MMW08]. requiring [BEPT09, SS09b]. rescaling [LLL07]. research [SK08b]. reservoir [LCH03, MC04]. reservoirs [SE09]. reshocked [LSD07]. Residual [Abg06, CRD02, DPRN06, LC01, RCD05, TS01, WB01, AM03, AM04, CS06, CS07d, EULM03, Nis07, RAD07, RB09a, Ros08]. Residual-Based [LC01]. residual-distribution [Nis07]. residuals [Boy02b, CB07]. Resistive [CKF02, RVL09, DZ09b, GTMC08, LTC07, ODCK07, PCP08, RSW06]. resistivity [GTMC08, HPS06a]. resistor [KF06]. Resist [Lj01].

Resolution [KG09, Cee02, FCB02, GF02, GP00b, JK00, KB00, KT00a, KT00b, KM00, MWM08, MD01, Noe00, PW00b, PW01, SZ03, WPM02a, ZTZ02, ASPB03, BSKH07, BBCT09, BOT05, BTW03, CLG07, CC04, DE06, Del07, DFT09, FF03, GLN06, GD05, HSL06, HH06, Jor07, JS07, KST09, Kry04, KT04, LG09, LSD07, LNK04, LYC09, LR03, MM09, OF06, SWK06, SYC06, SHY07, SJJM09, SLO7c, TDWY08, ZW03, ZYHS07]. Resolved [DSS00, AMP09, Bar04, SMP09, TV08, WB09b]. Resolving [YT07, LTC07, NK08, SMT+08, SSW+07]. Resonance [OL01, GLS03]. Resonances [BP06, Lin02]. resonant [BNNP06, BS04d, DGM07, RMV03]. response [CDI09, HSZ04]. responses [WB09b]. resting [NL07].


Revising [FLG01, Rid00, SD06, WE05]. revolution [FWW04]. Reynolds [Co00, DKS+03, DDH05, FG02, MT03, NMM+07, NMH+07, OTCM08, OVG07, PPDM08, SDG07, Viko3, XP04b]. Rezone
SHPC09, SK07b, UBRT07, VP09a, VK09, VTM^+08, WL03. scale-invariant [KE09]. Scale-separating [Gra06b]. scales [AKP07, ELVE07, JG09, Ng05]. Scaling [PC08, Abr09, SLG^+03]. Scattered [WF06, Dic08]. scatterers [DBF08]. Scattering
[Bal02, BK01, CY00, DDF01, DFT01, GK01, Gro00, Gut00, Liu02, Stu01, AL06, ACR08, AG09, BHL07, BL09a, BHNPR07, BA03, Bot06, BHO4, CJSS08, CLG09, CDR09, DU04, DWLM09, DBB06, DR09b, FNS07, FHJK09, FW04, GG04, GH08a, GK04, GK07, Hol06, HB05b, IQ08, LBL03, Lee07a, MR07a, Nic09, OMK09, SZB^+07, TJ09, TC07b, TC09b, Woo06, YAvdB^+08]. scenarios [SP07]. Schedules [FH02]. Scheme
[Abg01, BR09a, BW01, Bon00, BMS00, CBKM00a, CRK00, CRK01, DPCV02, GF02, HLS02b, HF00, KRKe01a, Kuhl01, LB00, LC01, LM01, LX00, LW01, MP01a, MP02, MCCT02, MF00, MT01, MHS01, NT0701, NT0702, Nys02, OGV02, Ros00, SWL00, SZE00, Szy01, Vay01, WH02, WPH00, Wei02, Xu01b, Xu01c, Xu02b, YP01, YL01, ZL01, ZSP02, Zha02, de00, vddFT00, AK06a, AT09, As04b, AM05, AB05b, AT05b, BS04a, BKS07, BM09, BAC05, BAL06, BAFL09, BF07, BG05a, BCC08, BVD06, BN09, BM07, CFF04, CP03a, Cap08a, Cap08b, Cap08c, CFF07, CDP09, CMS09, CL07a, CL07b, CHB09, CMG09, CS07a, CEH09, CS09, CY06, CL07b, CS09, CSDK05, CDV07, DE06, DPRN05, DDS09, DBP08, DLD^+06, DS06b, DZ09a, DGRS08, Edw06, FM08, FL06, FH07, GPC07]. scheme [GN03, GN07, GL09b, HLS06, HS03a, HHC08, HJM^+05, HLY09, HH06, HGB^+03, Hwa03, IM05, IKS^+09, IA06a, IA06b, IAT08, IM07, IQ08, JAK05, KR09a, KN09, KO04, KH09, KL08, KK05a, KJ09b, sKrKR03, KK05b, KLL09, KP09, KL05, Lab09, Lar07, LK07, LD09a, LM03a, LF06, LL07, slW08, LL08a, LL08, LS05a, LLZ07, LHC09, Liu08, Liv07, LJ09b, LGPL08, LS08, LH08b, Mai09b, Mai09a, MTW06, MY09, MY03, MG07b, MGC06, MC07c, MFC08, MV04, MSB07b, Mot08, NSS03, Neo07, NMM^+07, NHM^+07, NJX08a, NI03, NN09, NF09, NS05, OX04, PK07, PS07a, PH06, PH08, Pon07a, RL03, RS06a, Rom07, SBA07, SC08a, SJ05, SDR07, SV09, SL09, Sc09, SHWC07, SYC09, SY08, SA09, SCW^+09, SB03, SC09b, SFMP06, ST03a, zSW06, zS06, SCN07, SN08, Th04, TXCD07, TE08]. scheme [TDGP06, TAL09, TCM05, TY07, UBRT07, VVM05, VU04, Vo04, Waa09, WRu03, WZ09, WA08, WLC^+06, XP04a, XH03, XMT05, YMT^+04, YC09b, Yok07, YHCD05, YS07c, ZW05, ZWS07, ZSW03, ZWS06, Zie04, VP09a]. Schemes
[AC00, ACY00, BS00a, Bar02b, BCVK02, Bla00, CL01a, CL01b, Coe02, CDK00, CR00, CR02, De02, DZ00, DLS^+00, EF02, FF02, FGG01, FSB01, FH00a, FM^+01, GC01, GC02b, Gui02, HL01, HT00a, HT00b, Hx00, JP00, JL02, JMP02, KT00a, KT00b, LP01, Lio00, MF01, ML01a, Mie00, Nic00, Oh00, Per00, Pir02, QS02, RB02, SV00, SHS02, STST02, TK00, TS01, TH01, TS02, Vas00, VG02, VS02, WC01, WB01, XY01, Yua02, AM03, AM04, Abg06, APP^+07, AHNS09, AB03, AT08, AZ03, BTW04, BAM07, Bal09, BRDM09,
BAR08, BES07, BLM08, BBMB07, BRC\textsuperscript{+}09, BP09, Ber06b, BS03a, BR09b, BB04b, BBCT09, BP03, BL03, BD06, BK07, CVB06, Cap05, Cap06, CGMS06, CGL08, CET09, CLMRP08, CL08c, Cj09, CS06, CS07d, CP08, CZVS04]
schemes [DT04, DPRN06, DQ04, DJTT05, DK07, DKT07, DET08, DBTM08, DZ09b, DW08, EZ08a, EF03, ELW04, FDD09a, FDD09b, FK07b, FK09b, FW07, FM09, GZ07b, GLM07, GS09, GSV06, GGF03, GS03c, GS03d, HK06, Hei04, HAP05, HIJ09, HWWL09, Hub07, HWW07, JW06, JCo06b, JOn05, JMC03, KCGH07, KIn05, Kim07, KLK08, KPP07, KPP09, KQW03a, KQW03b, KT04, Kuz06, LSB04, LL09, LNGK04, LWW04, LFS07, LG03b, LG04, LJ08, LSSV07, LL03c, LW04, Liu05, LCS09, LD04, Mad06, MRS09, MS08, NJX08b, NZZ06, Nis07, NPPN06, NXS07, NF09, OK04, OF06, PAD07, PK03, PYC04, PS04, PS08, Pir06, Pir07, PSG05, Q04, Q05, RBLS06, RP08a, RAD07, RB09b, RMF08, Ros09, RDPM07, Ros08, RS09b, SDM04, SGD03, SHA08, SD05a, SD05b, SY06]
schemes [SZ03, SHY07, SZ05, STZ07, SS09c, SPGR06, SJC07, ST07b, SK06, Tad06, Tan05a, TL06, TFD06, TDWY08, TT04, TT05a, Tl07, Tl08, TT05b, THD09, Tor03, TB04, TA06, Tsu06, VTT08, VCSZ04, WG08, WSYS09, WD07, We10, WAH09, WZ03, XS05a, XS06, XS05c, YMT04, YC09a, YHSX07, YS07a, Ye07, YMMW06, YS08, ZJS08, ZT03, ZHY07].

Schmidt [JS05]. Schrödinger

[BJM02, XS05b, AMR06, AB03, ABK09, BY07, BBDE05, BIS07, CCJ07, DE02, Den04, Doh09, FC10b8, GM06, HyLL07, HJL09, IKS01, JLOT05b, KLW09, LTE07, LQ09, LW09, Nas08, RSSL09, Sac07, SCT06, SKAS01, SS07c, zSW06, zS06, XHW07, ZK07, Zhe06, Zhe07]. Schrödinger-type [XHW07]. Schrödinger [And09]. Schur [NPH09]. Schwarz

[BIW08, CJS08, HC05, ODCK07, PW00a]. Schwarz-based [ODCK07]. science [KG06]. scientific [Bra04]. Scour [DC02]. scrape [MT07a].

scrape-off [MT07a]. screen [DS09a]. screened [GH02, LJK09]. Screens [Kan02]. Sea [Hun01, LTD04]. seamless [ERVE09]. search [Pav07].

searching [Sus06]. Searchlight [BS00b]. Second

[AT05b, BRL02, Boy02a, FB08, GC01, GFCK02, HLS02b, JLCD01, JTB02, JR03, JR04, KC00, KQW03b, LP00, MS03, Nis07, Ols09, PP04, RP08a, SPM03, TS01, VB00, YL01, AM03, AM04, AB05b, BS04a, Bea08, CP03a, CR09, DPRN05, GGF03, GHMP07, KSO\textsuperscript{+}05, KK05a, KDF07, KT05, LSZZ08, LRZ04, MZ08, M008, MN04, MN17, MG06, MG07d, MG08, Ol07, ZS08, SGFL09, SP05b, SCW\textsuperscript{+}09, SL06, Sus03, TMS06, TM07, YP06, Yeh07, YZW05, ZP05]. Second-Generation [VB00]. Second-Gradient [JTB02, KDF07].

Second-Order [BRL02, GC01, HLS02b, KC00, LP00, YL01, AT05b, FB08, KQW03b, MS03, Nis07, Ols09, PP04, RP08a, AM04, AB05b, BS04a, Bea08, CP03a, CR09, GGF03, MZ08, M008, MG08, Ol07, SGFL09, SCW\textsuperscript{+}09, SL06, TMS06, TM07, YP06, Yeh07, YZW05, ZP05].

Second-Order-Accurate [GFCK02, DPRN05]. sector [Boy05a]. sediment [RF06]. sediment-transport [RF06]. seeded [LD09b]. Segment [ERT02].

segmentation [RR07, XCY06]. segregated [NVD07, Utn08]. Seidel
Seidel-type [CLS05]. Seismic [CFS09, CSMH05, HS07a, THN+07]. Selection [HL06a]. Selective [BD08, LLB05, OL01, RMSB09]. Self [CBC09, OK06c, OL01, RHPN09, RV07, RM00, SUW01, SCC+03a, SCC+03b, VP00, ZSTC06, BEA09, DAJ07, DS05b, FY07, HK08b, JRS05, MAN+06, SMP09, TSB03]. Self-adaptive [OK06c, DAJ07, TSB03]. Self-adjoint [MAN+06].

Self-assembly [JRS05]. Self-Consistent [SUW01, OL01, RHPN09, SCC+03a, SCC+03b, BEA09].

Self-consistent-field [ZSTC06]. Self-Energy [VP00]. Self-Intersecting [BC09].

Self-propulsion [SMP09]. Self-similar [RV07]. Self-sustained [BC09].

Self-teleportation [DS05b]. Self-adjoint [Heu03]. Semi [BS03a, Bon00, FF02, GVT01, GBB+06, KWD07, KT00b, MELD08, NTYT01, NTYT02, RCB05, Str00, Str01a, Tol02a, Tol02b, WPM02a, WA02, XY01, XK01, BG07, BS08b, BLG+08, BRB03, BL03, CFF07, CFF09, Cha07b, CWL08, DF04, GH03, GP03, GP06, GD05, HS08b, IX07, LS03, LQ09, LH08b, LLC+08, MBB07, NSS03, NZZ06, RB06, ST04, SFMP06, TBT+09, TOY09, ZWS07].

Semi-circular [GGP06]. Semi-classical [CWL08, LQ09].

Semi-discrete [KT00b, BL03]. Semi-Explicit [WA02, Bon00, MELD08, RCB05, WPM02a, CFF07, Cha07b, DF04, HS08b, LH08b, LLC+08, MBB07, NZZ06, SFMP06, TBT+09].

Semi-finite [GVT01, BRB03, ST04]. Semi-Lagrangian [NTYT02, Tol02a, BS03a, Bon00, FF02, GBB+06, NTYT01, Str00, Str01a, Tol02b, XY01, XK01, BG07, BS08b, BLG+08, CFF07, GBB03, GP03, GD05, IX07, LS03, NSS03, RB06, RCB05, TOY09, ZWS07].

Semiclassical [BJM02, DDD05, GM04, Gos04, GM06, JLOT05b, JN07, LW09, SY08].

Semicircular [LLY05].

Semiconductor [DE02, JP00, KMA+01, MP01a, MP02, And09, BS04a, CGMS03, CGMS06, CBC09, CL03a, CL05, CLL+07b, FH07, KG05, LS+09, SS08, VTW+07, WHL03, dFLG05].

Semilinear [Dri02].

Semirelativistic [GTD+02].

Semtner [MR01]. Sensing [CLL09].

Sensitivities [FLE03, HPD09]. Sensitivity [AJT04, BV05, BG09, LG03, LP04a, NA08, PA07a, SDC05, TMN07, VK04, WGT06].

Sensitivity-based [LG03]. Separable [TNR02, KS07]. Separate [CFA01].

Separated [KRT+09, Oh04]. Separating [Gra06b, LG09, SPB09].

Separation [AD01, OL01, OML02, NU09, SNLS03, SG03a]. Sequel [Lio06].

Sequence [WWVG00, HK04a]. Sequential [BPS03, KS08b, LCH03].

Series [Che00a, Che00b, CKGL02, CL02, VP00, BO05, BRB03, Boy09, CKG04, FON06, KTD03, NU09, NCS03, TD06, VGC03]. SESL [GPF03].

Set [Asl01, BCM001, CMK+01, CMMO02, Cho00, EFFM02, HMS08b, KAIN01, KLvB+L02, LLdP+00, OF01, OS01, OCK+02, PS01, SW00, Set01, SP00, TM07, TB00b, AS03b, BS05b, AJT04, ADIM09, AA06, AHMS03, BHR04, BHSV07, COQ06, CM06, CT04, CBGI09, Che07, CQT05, CQRW05, CC08b, DMP08, DL03b, ETT05, GGS09, GCNB07, Hab04, HSM08a, HK007, Her05, Her08, HK05, JVV07, JCT07, KH07, LW07, LW09, LTTW07, LLC+08].
LTL^09, LTM09, ML06a, MS08a, MRC06, MR06a, MGCR07, Min04, MG07c, MG07d, MV06, NJLA06, NLT07, NT07, OK05, OKZ07, PHKF06, QL04, RR07, SS09b, SS06a, SY09, Sm06, Spe05, Sus03, TZ06, TZ07a, TZ07b, TBJ+09, Tow07, TU04, UYK+04, WLM07, WST09, WYS09, WEN09, XLLZ06, YS09, YSS05, ZGK09, ZLAC05, ZL08b, vdDA06]. set-based [TU04]. set-boundary [GGS09]. set/ghost [DMP08]. set/volume [YJL+06]. set/vortex [Her05]. sets [FSS03, GR08]. Several [ZDNP00, Ovt08]. SGS [NN09]. Shadow [IH04, ESD05]. Shah [ET06, RR07]. SHAKE [BL08, Gon07, WE05]. Shallow [BC01, CX08, Che00a, FR02, Gir00, GH02, Hor02, LBV00, LBV01, Lay02, LLIK01a, LLIK01b, Tol02, Tol02b, TTSG01, VS02, Xu02b, ZCMI01, AB07, AB05b, BE07, BRC^+09, BTT08, CVB06, CHL06a, CL08a, CGRGV^+04, Che03, CLS09a, CZV04, DJTT05, GPC07, Geo08, GPF03, GW05, GD05, GD05, HC08, JK09b, KL05, LHD05, LHD08, LS03, LM07, Mea04, MGN09, N03, NPPN06, NXS07, RAD07, RB09a, SS03a, SHTB09, TOY09, VTT08, X05a]. Shallow-Water [BC01, Che00a, LLIK01a, LLIK01b, Tol02a, Tol02b, Xu02b, ZCMI01, CHL06a, CL08a, CLS09a]. Shape [AKL^+08, HS09b, LS02b, LTWW07, LTM09, PS03a, AS05b, ADR08, BG09, CKV07, DJ07, F08b, H04, HP09, HS05, HK07, HWW07, LSSV07, LK05, L08^+08, TW03, WL07]. shape-material [BG09]. shape-regular [LSSV07]. shaped [BCD06, JTL09, MTH08]. shapes [HK09]. shared [HJFW04]. shared-memory [HJFW04]. Sharp [LKM05, MKL05, NL08, UM01, YU05a, YS09, YSC01, FCD^+06, GMD07, GNB09, MBB07, MBB08, OS09, SSH^+07, TU04, UT03, WK06, YZ07]. sharp-edged [YZ07]. Sharp-Interface [YSC01]. sharpening [CET09]. Shaw [FS04, KW08b, LL07]. Shear [EL01, TC01a, BZ04, BCZ04, BV00, GH09, H003, JOS06]. Shearing [LAS01, BM06]. Sheet [GC02b, LK01, Nit01, FM06, Her05, SD08]. Sheets [Nie01, Nit01]. shell [CJ04, Liv07]. shields [BCM^+07]. shift [HHMK05]. shifted [AHPT07]. shifted-Laplacian [AHPT07]. shifts [BM05]. ship [Wan05]. Shock [AS02, BS01, Boy02b, FSS03, Han01, Lio00, MC02, Pir02, ST02, TNGH02, T00, VG01, Wu01, Wu02, AM05, BdCB09, CLMRP08, CC05, LDL^+06, GA09, HMM08, HJ09, KF0^+04, KFIG06, sK03, KLL09, KO08, LM05a, LK08, LKY03, LRS09, Low05, Pir06, SB06b, SM05, Sn00, TD00, TY07, UTV03, VS09, Vo04b, YT07, KKR01b]. Shock-Aligned [KKR01b]. Shock-Bubble [Han01]. Shock-Capturing [ST02, TNGH02, T00, BdCB09, DLD^+06, KH08, Pir06, TD00, TY07, UTV03, Vo04b]. shock-induced [YT07]. shock-stable [sK03]. shock-tube [Low05]. Shock-Turbulence [Pir02, CC05]. shock-wave [KF0^+04, KFIG06]. Shocks [DCV^+01, Son00, YC02, DL07, FL07, HP04b, IR09, JD09, ML09, PFS07, SP09, SH07a]. shooting [Z06]. shoreline [Che04]. Short [FW00, CWL08], short-wave [CW08]. shortening [CF07]. shrinkage [YF07]. sided [HH07b, RB06, SR09a]. sign [MS03, SBA07]. sign-preserving [MS03]. signal [dSHHM05]. signals
Silicon [GR01, Rom02]. SIM [NLT08]. SIMD [DPRS01]. similar [RV07]. similarity [SB06a]. Simple

Simplicial [Min03]. Simplification [Ber06a]. Simplified [FMO00, LTK02, RLB02, FKLY07, KL06, VGCN05]. Simulate [DPRS01, HMM02, Chr04, EKPO6, MV06, PSC04, San09, SL07]. Simulated [PA00, Pav07, WGN06]. Simulating [Alb09, BBF08, Ch000, CR02, DLW06, G02, HHL00, HDBW05, PR00, PK00, TS04, UMRK01, AGW07, BGS08, BIVC07, BB08b, Che03, DMHP07, DMP08, DP09, Dur08, GFG09, GB03, GS05c, Gre04, Hua07, KS08a, Kwo08, LKE04, LLZ07, LF05, LKM05, LHZ06, LHZ07, NZ07, VC03, VGZB09, VGBZ09, XW06, Xu08, YFB07]. Simulation [ART02, ACK02, BM02, BST01, BHR03, BADG00, BM01a, BS01, BRL02, Bow01, Buc05, BMK06, Bus00, CS01c, CGL08, CT01, CP02, CYK01, Cle00, DNS08, DF00a, DQA08, DGH02, DDGS09, EH02, FS01, FG02, GPH01, GMA09, HAA00, Han01, HKKS01, HK02, HF01, HB02, HSS07, HGM01, JLCD01, JW00, JW02, KB00, Kar04, KW08b, KAIN01, KP00, LB02, Li01, hLA01, LP02, Mac01, MEG02, MSB07a, Mu02, NC03, OL01, PG02a, Par02, PR01b, PF01, PWS02, PO01, QR00, RRL01, Rom02, SLY02, ST01, SSL00, SCW09, SPC01, SB02, TSB01, TC01a, TCM00, Vay01, VDM02, WB01, X02a, ZKS09, ZTW02, ZP02, ZU02, ZTP05, ZKK01, AH08, AR08, AMH04, ART04, AMP09, AT09, BS04a, BPM08, BCK09, BP06, BWLM09, BA03, BS03b, BPL06]. simulation [BEA09, BGN03, BP07, Bur05, BB09c, CPR05, CGP05, CP06a, CBJ02, CPG04, CCR04, CTW08, CFL03, CN08, CP07, CL07b, CMP07, CF06b, CSK05, CL03b, CSML06, CB09, DSJ03, DL03a, DDH05, DS09a, DTS05a, DTS05b, DS09b, DCK08, ELE07, EE08, Eld07, FP08a, FG04, FG05, FDD09a, FDD09b, FT06, FD03, FD09b, FML08, FY07, FKK08, GMD03, GS09a, GGS09, GL03, GIA07, GBB06, Gra06a, Gra06b, HBL07, HK07, HJK08, Hew03, HMK05, HK08c, HH07c, HF08a, Hor06, HM05, HSW07, HL07c, HSL08, HT03, HPS06b, HMR08, HMM04, HLW04, HLW06, ICO04, JRS05, JLT03, JD04, JOS06, JW03, JM04, JHB09, JS05, KDD08, KFG06, KG06, KM06, KM07b, KKV06, KSK07, LJM06, Lar03, LMV04, Lao06, LW06, LL05, LCH03, LLL07, LS08, LK09, LKW05, LP06b, LL06]. simulation [LCNR07, LH07, LWF08, LD08, LH05b, LQ06, MC04, MCM04, MLA09, MTL06, MC06a, MJT06, Men04, MG07, MR04, MHE06, MWG06, MK04b, MH07, MGB09, NLF03, NJL06, NFX06, NCO4, NB04, OK06b, PCB08, PDH07, PYC04, PM07, PL09a, PN03, PH06, Pet07, PWM06, PA05, PVP09, Pr05, RB05, RRC05, RGS04, RMG09, Rom07, RJM07, RFF06, Ros09, Roy05, SM09a, SWB06, SWG08, SW08a, Sch08, SMS08, SHWC07, SP04, SL04, SP05a, SFX03, Sh07, SMP09, SS03, SGG04, SMSS07, SK07b, TOZ03, T06, TZ07a, TB06, TSB03, TdAAP08, TR05, Tsy03, Uhl05,
UPKN09, VTC$^+_{07}$, VS09, VGL$^+_{07}$, VK05b, WT07a, WLC$^+_{08}$, WFC09, WWK05, WMH07, XLP05, XG09, YM07, YB06, YWC07, YXL05, YSS05, YF09, ZP05, ZSB$^+_{08}$, ZT03, ZW03, ZD08, dSMN$^+_{04}$, dCNHS07, vdBG09].

**Simulation-Tabulation [HGM01].** **Simulations** [ATV01, ALGM01, CS01b, CVB00, CTT08, CBL01, DW00, DKSW01, DE02, DPR00, FVOMY00, FP$^+_{02}$, FLG01, Gen01, GLL03, HAP06, HPZ01, JML$^+_{01}$, KS02b, KK00a, KKC01, KK00c, Lap02, LS02c, LL06a, LLQ$^+_{02}$, ME09, PPC00, PW00b, PW01, RXH02, SWW01, Sun00, TMSW07, WGCE01, Yon02, dSAG00, dEM02, AS05a, AZ09, AD03, AFGM07, ALT08, AD04, AGSX09, BLW04, BDR$^+_{04}$, BDGL05, BMN07, BBO8, BL09c, BDS07, BS09b, BTW03, CGMS06, CGN$^+_{07}$, CV06, CP03c, CELS07, CM03, CFGK05, CWD08, CK07, CHPR09, CP04c, CH08, DUEB07, DW09, DKS$^+_{03}$, DLD08, DZ09a, DJ04, EGHE06, Eld08a, EGP09, FHPK08, FM05, FHD$^+_{09}$, FE04, FCGK05, GCGE03, GGF03, GGRS08, GCLB04, GS09d, HGBH03, HC08, HO06, HP04b, HM04, HS04, HLX06, HS07b, ID04, IK07, ISNY05, KM08a].

**Simulations** [KM03, KFV07, KH07, KS03, KZ06, LDN04, LMN$^+_{09}$, LWDA09, LO8b, LO9b, Liu09c, LR03, LMK09, LL08b, MWM08, MG05a, MY06b, MP05, MNL06, MLFG06, MVO04, Mot08, MBP07, MMB07, MO06, MAL09, NTO$^+_{07}$, NDO05, NJX08b, NLLE06, NS04, OLA08, ODAF06, OK07b, Pan07, QLK07, QLS09, RVDM09, RB09a, SMT$^+_{08}$, SG06, SGFL09, SE09, SK08a, STD$^+_{05}$, SA06, SFVK06, SL07c, SHP07, SSW$^+_{07}$, Spe05, SFMP06, TWM07, TB07, TMD07, TGB$^+_{07}$, TG06, TDV06, TG04, VPM04, VG04, VK09, VCM00, VQLZ04, WL03, WTC08, WC08, WH05, XK03, XH03, YFLS06, YZL09, YTY05, YZF$^+_{06}$, YZ07, ZGG03, ZVQ07, ZLAC05, dSH HM05, vZdBB07, vdBG09].

**Simulations** [KMV03, KFV07, KH07, KSJ03, KZ06, LDN04, LMN$^+_{09}$, LWDA09, LO8b, LO9b, Liu09c, LR03, LMK09, LL08b, MWM08, MG05a, MY06b, MP05, MNL06, MLFG06, MVO04, Mot08, MBP07, MMB07, MO06, MAL09, NTO$^+_{07}$, NDO05, NJX08b, NLLE06, NS04, OLA08, ODAF06, OK07b, Pan07, QLK07, QLS09, RVDM09, RB09a, SMT$^+_{08}$, SG06, SGFL09, SE09, SK08a, STD$^+_{05}$, SA06, SFVK06, SL07c, SHP07, SSW$^+_{07}$, Spe05, SFMP06, TWM07, TB07, TMD07, TGB$^+_{07}$, TG06, TDV06, TG04, VPM04, VG04, VK09, VCM00, VQLZ04, WL03, WTC08, WC08, WH05, XK03, XH03, YFLS06, YZL09, YTY05, YZF$^+_{06}$, YZ07, ZGG03, ZVQ07, ZLAC05, dSH HM05, vZdBB07, vdBG09].

**Simultaneous** [AKV06, DVHM05, HSBG05]. **Simultaneously** [DSS00].

**Sinc** [Eg07]. **Sine** [Mi05, Saf02, BRB03]. **Sine-fit** [Mi05]. **Single** [JK02, JD04, LW06, NMG09, PL09a, RSW06, RM07]. **Single-Crystal** [JK02]. **single-domain** [LW06]. **single-fluid** [RSW06]. **single-fluid-phase** [RM07]. **Singular** [ACS00, AQV02, APQ02, CH01, LL01b, LTZ02, RW01, WPW02, ZS01, ACS03, Boy06, DG09, HL07b, LH05b, Sac07, SY09b, TE04, WZ07, ZZFW06, dA04, dCNHS07].

**singular-regular** [dA04]. **Singularities** [Ma01, MC00b, OKL01, Boy05a, Gro06, Gro07, HO08a, VRM07, YW07].

**Singular** [Ni01, CS09, LL06a, TPV06]. **singularity-avoiding** [CS09]. **singularly** [LCW04, Moo07]. **Sinks** [WLE$^+_{00}$]. **sintering** [CP05].

**situ** [LP09]. **Sivashinsky** [CFP08, KMS03]. **Sixth** [WZ09, Hau08b]. **Size** [BW02, Zha02, Hew03, YE07, ZZ09]. **Skew** [Coe02, DLS$^+_{00}$].

**Skew-Symmetric-like** [DLS$^+_{00}$]. **skewed** [TAL09, YMWM06]. **skill** [An08-50, SM09b]. **Slab** [BS00b]. **Slater** [GM01c]. **Slender** [KK00c, BP08].

**SLICE** [ZWS07]. **slide** [Car09]. **Slider** [WB01]. **sliding** [AKH06, HHM04, KH07]. **slightly** [ZD05]. **slip** [BIW04, HSC09, PK05, SS05c, SN08, VLB09, ZTPM05]. **slip-dependent** [BIW04]. **slit** [Mad05]. **Slope** [Xu02a, Boy03, ML08]. **Slope-Update**
solvent

[BZW01, CBKM00b, CFK02, CSS00, HR01, iI02, Lai02, MovL00, RLB02, ZS01, AQ09, ABZ+08, BCCV09, BH09, Bey09, Bia03, Bil05, BYZ04, BJ09, BLM04, BL05, BH04, CW03, CGMS03, CK03, CP06b, CP06c, CHL06b, CLL+07b, CLS09b, DHOT09, DSM09a, DHVM05, DBF08, DP07, GS05a, GS06a, GA09, GTMC08, Gu05, HK08a, HC09, Her08, HdgKCG08, HJ07, HVAC09, HA10, HB05b, IQ08, JR09, JTL09, KW06, KP04, KL09, KAA+07, KS07, LT05, LFX05, Li05, LK09, LDPL08, LC03, MR05, MR07a, MP08, Mig07, Mil04, MK05, MBP07, NCG08a, N103, NLLE06, NS05, Pop03, Pop09, RB03, SO08, SL03, XXY05, YBZ06, ZJ09, dNWvSD07, dTWD09].

Solvers

[AV02, CT08a, LP01, Mav02, MOS+00, OMG02, SBGK00, SC01, AMLC08, APQ03, AQ07, BPO07, Bra08, BH05, DIN03, Geo08, JR07, JL04b, KDR07, KSW07, LMS05, LG07, Loh04, MTV08, NK08, SMA08, SB03, T06a, YLD09].

Some

[JHSZ07, OF01, Sto07, Th08b, AST07, LM08b, VBL03].

Somerville

[WS04]. Sommefeld

[GFR09, Meh04]. sonic

[Sasl04b, Tan05b]. Soroban

[YMT+04]. Sort

[Bow01]. Sound

[Fre00, HSK00, MN02, BA03]. Sounding

[TK02]. Source

[HK00, HGN00, SR00b, Xu02b, ZCM01, BIW08, BP03, CV06, CS06b, CW08, C070, CDL04, CDL05, DLP08, Eg07, FM04, FP08b, GS07, GK05, HL05, IKS+09, ILL09, KSO+05, KZ04, LL03c, LPR07, MA04, MR06a, OTCM08, P0D09, RCT07, RLZ03, R06a, RR05, RM08, SROCFF03, SL07b, SR09b, STR07b, TLL+08, T070, WX07, WGS+08, XDB09, XMT06, YFF09, YCL05, Zho07, dDEK09].

Some

[JHSZ07, OF01, Sto07, Th08b, AST07, LM08b, VBL03]. Somerville

[WS04]. Sommefeld

[GFR09, Meh04]. sonic

[Sasl04b, Tan05b]. Soroban

[YMT+04]. Sort

[Bow01]. Sound

[Fre00, HSK00, MN02, BA03]. Sounding

[TK02]. Source

[HK00, HGN00, SR00b, Xu02b, ZCM01, BIW08, BP03, CV06, CS06b, CW08, C070, CDL04, CDL05, DLP08, Eg07, FM04, FP08b, GS07, GK05, HL05, IKS+09, ILL09, KSO+05, KZ04, LL03c, LPR07, MA04, MR06a, OTCM08, PS0D9, RCT07, RLZ03, R06a, RR05, RM08, SROCFF03, SL07b, SR09b, STR07b, TLL+08, T070, WX07, WGS+08, XDB09, XMT06, YFF09, YCL05, Zho07, dDEK09].

Source-independent

[CS06b]. source/observer

[VS07]. Sources

[GBGM01, POS00, WLE+00, BCDW06, CW07, H00b8, OK06c, ZZFW06]. Space

[AB07, CP00, CWT00, Hano0, HA02, JWSC00, KvdVvdV06b, LT02, OCK+02, PR04b, PM00, SUW701, ZYC02, ZRR00, vdVvdV02, vdVX07, AKV06, ASQR06, AK07, AGX09, BFT07, BISO7, BS03a, BK09, Boy03, CQRW05, CF06, FR03, FGCK05, GVH06, GR07, HLO08, IS04, IH04, J0W03, JX07, KvdVvdV06a, KvdVvdV07, KT05, KLM05, LG07, LW07, LS09, kM07a, Moo03, MR06b, RJ07, RBK09, Shy06, T05b, TFDK04, ZYL+06, dWK07]. Space-Charge

[SUW701, spacecraft

[ZL09c, VGL+07]. spaced

[HM08]. Spaces

[FLG01, YS06]. spacewise

[YYF09]. spacewise-dependent

[YYF09]. SPAM

[SWM01]. Sparse

[Bor00, GZ07b, GG00, WHS08, ABZ+08, BPS03, DBF08, HM08, LAKD08, MZ09, ZG08, ZGSD06]. Sparsity

[Lou00]. Spatial

[BR02, BCM01, KK05C, LBV00, MAN+06, OMG02, ZDN00, Bey09, BB07b, BDIC09, Che07, CFP06, Jor07, LSO7, MPFC08, NWZL08, RBSL06, ZT07a]. Spatially
spatially-developing [FE04]. spatially-varying [GTMC08, Kou09]. spatio [DGF09]. spatio-temporal [DGF09]. spatiotemporal [SJC07]. Species [WDM01, AK09, BK07, LCB04, SD05a]. spectra [DK06, Mi06, Mi07, TPVG06, Yan08]. Spectral [AQ00, AGP01, AQV02, AP02, AQ07, BK08, BS03b, Bor07, CSS00, CKGL02, CMOV02, DLMK04, Dri02, ES06, FLG01, FYH96, GT09a, GP00a, GS06b, GBGM01, HL01, Hei04, HKV01, KK00a, KK00b, KB08, LS02c, LK09, LVW06a, LVW06b, LK07, LMS02, PRT00, PX02, PR04a, PW00a, PR03, PR06, PG02b, RH01a, Sac07, SB06c, SC01, SG03a, SWL06, TRL01, Wan02, WL02, WZL04, WK01b, vOP04, AK09, BM06, Bey09, BS04c, BvdHKG07, BDCG03, BLM03, Boy04, Boy05a, CJS08, CVC03, CLL97b, CK04, CQR05, CD07, CFJ09, DHD05, DLL08, Dim07, DG03, DDD03b, DD03b, FD03, FK09b, FBH05, Fou06, GSV06, GFR09, GP03, GW05, GR08, GD05, HWH05, pH09, HK08a, HEN09, HdgKG08, HL07b, HJM97, HM06, IM05, IHL03, JZ08, JW09]. spectral [KGT09a, KGT09b]. Spectral-Projection [LMS02]. spectral-WENO [CD07]. spectral/B [DD03a, DD03b]. spectral/B-spline [DD03a, DD03b]. spectral/discontinuous [CQR05]. Spectral/hp [ES06, PR03, PR06, SC01, PR04b]. spectrally [BW06, BCL06, DP09, HF08b]. spectrally-accurate [HF08b]. Spectrum [GBS00, VCT09]. Speed [FS01, KMA01, SLW09, BHS09, BN09, HS03a, HS06, KSO05, SMS04]. Speeding [HK00]. Speeds [MD01, JW06, Lio06, MDS03, Soc03]. speedup [EV03]. SPH [BRP05, DKS97, DLL96, DLT09, GAC98, HA06, HA07, HA09, JS06, KM08a, LM97, Mon09, ODA06, ODA07, OB06, Owe04, Pri08, SSL00, XSL09]. Sphere [Che00a, Che00b, CKGL02, KMHR00, Lay02, PWS99, Tol02a, Tol02b, AQ09, BAF07, BCE99, Boy05a, BZ09, CD07, CF06a, CVC03, CX08, CK04, Cho05, DC07, DTSC04, DJ04, FW07, FP08b, GW05, Gir06, LS03, LJ07, MCo06b, MK08b, NF97, Ni03, Pud06, PL07, Ros06]. Spheres [PO01, BP08, VQL04]. Spherical [Gi00, GHW02, LB04, LBL04, Nit01, SS00, AQ07, GG09a, GP03, Jao07, JD04, KL06, LH05, LH08, Liv07, Mac07, NB04, OB06, SP06a, SC08b, Tyg08, WJ07]. Spherically [HZ02]. Spheroidal [BS00c, Boy04, SJ04]. Spilling [DF00a]. Spin [GC07, YMF01, FT09, WJ07]. Spin-Orbit [YMF01]. Spin-polarized [GC07]. Spline [DDS09, GW01, KM01, Lay02, PB00, SKA01, Ver01,
Bia03, CP04b, CLS09b, DD03a, DD03b, ELW04, LHGF04, ZWS07. splines [CP04a]. Split [HZ08, SFY01, Sti02, AMSZ07, MM03, Nas08, RBK09, SA09, SK08b].
split-conservative [SA09]. Split-Step [SFY01, Nas08].
Splitting [BJM02, BM01c, Edw00, EF02, FMR09, HH01, HH02b, HGN00, KLN+01, LLIK01a, LLIK01b, MBP00, NTYT01, NTYT02, Ros00, SLY02, Sp00, VGG01, YVD00, Asl04b, BG05a, CHL09, CJ09, DPRN05, DQ04, EF03, Fa03, FL09, GS03d, GS09c, HJM+05, Hub07, HGB+03, KN09, KKO04, LLOT06, Meks03, MY07, NV03, Pon07a, QW05, QA09, RC09a, RP08a, RS05, RS09a, RDPN07, Sac07, SJD05, ST03a, TBT+09, TCN09, TK04, YHSX07, YZW05].
splitting-based [TBT+09]. sponge [Bod06]. Spontaneous [YZF07]. Spray [BW02, FLM08].
sprays [AJ09, LMV04, TT06c]. Spread [BST01, BST03].
Spraying [HLZ02, DW09, HSC99, ZGG03]. Spring [TTS01, TSG02, LWF+08].
spurious [DS01]. Square [Bor00, Cap09, GS03a, LL04a, SL07b]. squared [BEE06]. Squares [PG02b, AMSZ07, BT05, BT06, BP04a, CS09, DI09, GNB08, HV03, HK08a, HMMR04, HLMM07, HgGRG08, HY09, HY11, KH09, NCS03, PR03, PR04b, Pon06, Pon07a, Pon07b, PR06, VB09, ZKY05]. squares-based [NCS03]. stabilisation [NW07]. Stability [AC00, ACY00, APQ02, Bal08, BB08a, BJ03, Cod01, DVHM05, DWLM09, FG01, FDL08, GF05b, HFO01, LG08, Lee03, LRS09, MG02, NR01, PR01a, Pet01, Rem00, Rem06, RO05, RS09a, RB02, SHW00, SV00, WK01b, BBC+06, BDCG03, CHH06, CHP09, CFJ09, DMG04, FD03, GV08, HS09b, HM04, KRT+09, KWD07, LH05a, LGKP07, LZ07, MF08, Maz06, NZ07, OCF08, Sam09, SCT09, zSW06, zSO6, VCT07, VL07, VG01, XSL09, Yan08, YMWM06, ZK06, Z03].
Stabilization [PX02, San03, HH07b, QT08]. Stabilized [JML+01, RB09a, XP04b, BB07a, HY09, HY11, LSS+09, MZ08, MR06a, MGR07, NZ05, SV07, ZSP08].
Stable [Azm02, BKST09, CYKC01, De 04, GCC09, Hu01, HWW09, IA06b, KR02, KR09c, M008, MHI08, Nys02, VWW04, Wan04a, WDM01, Wee02, YCO09b, ZZ01, AM03, AM04, AB03, BL04, BLM08, BO09, BSLN09, DR06, FNS07, GG09a, GN07, HR08, pHL09, HX05, JAK05, JLO4b, skKKR03, KYY07, KPP07, KPP09, LL05, NFG070, NG06b, NGvdWS09, PC06a, SL09, SN08, TC05, WC07, YCO09a]. stacks [CKPW07].
stage [KWD07]. stage-exceeding-order [KWD07]. Staggered [ALG01, GHV00, GW01, HH01, Per00, XZ02, YP01, ZSP02, Boe05, CSL08, KE06, KAK03, LD09a, LS05b, LS08, LR09, PN03, PS04, RCB05, SK06, VSW04, VSW06]. Staggered-Grid [XZ02, LR09]. stagnation [SBA07].
Standardized [BP04b]. Standing [VC00]. Stars [BTFY01, TVMR03]. started [DCK08, KR09a, NCS03]. State [CYKC01, FV01, Mai01, MOV01, Sth01, VT08, BT03, BLM04, CORT09, CGH05, CC07, CP04b, CS06, CS07d, CY05, HPS06a, HJJ09, IS05, Kwo08, Mai03, Mai04, MK05, MK07, PP09, SFDL07, VVS08, VT0+07, Wen06, ZL08b].
State-of-the-art [VTM08]. Statement [KB01]. States
static [CLLG09, FHD+09, HH07a, KK03a, KOQ04, KOQ08, LKE04, Mar06, PH09, VOD08]. Stationary [DCV+01, GS06a].

[DC08, DF07, FS01, HGBH03, SFX03, CFM09, FWP09, GT09a, PM07].

Statistics [FH02]. Steady [CYKC01, CAL00, GM01b, MOvL00, PPB09, VG01, VP09b, vBRK01, AM04, BNNP06, BLM04, BEG03, CGH05, CC07, CS06, CS07d, CY05, DR09a, FJ09, Geo08, Gla05, GMO04, GS06a, HY09, HY11, HLY09, Hub07, ISNY05, NJX08b, PR06, RFVP09, VV08, WK07, Wen06, XMP07, XSG04, ZKY05, ZL08b].

Steady-State [CYKC01, CGH05, CY05, ISNY05, VV08, ZL08b]. steady-states [FJ09].

Steady-State [CMLL09, FHD+09, HH07a, KK03a, KOQ04, KOQ08, LKE04, Mar06, PH09, VOD08]. Stationary [CLLG09, FHD+09, HH07a, Vos06].

Stationary [DCV+01, GS06a].

Statistical [CLLG09, FHD+09, HH07a, Vos06].

[DC08, DF07, FS01, HGBH03, SFX03, CFM09, FWP09, GT09a, PM07].

Statistics [FH02]. Steady [CYKC01, CAL00, GM01b, MOvL00, PPB09, VG01, VP09b, vBRK01, AM04, BNNP06, BLM04, BEG03, CGH05, CC07, CS06, CS07d, CY05, DR09a, FJ09, Geo08, Gla05, GMO04, GS06a, HY09, HY11, HLY09, Hub07, ISNY05, NJX08b, PR06, RFVP09, VV08, WK07, Wen06, XMP07, XSG04, ZKY05, ZL08b].

Steady-State [CYKC01, CGH05, CY05, ISNY05, VV08, ZL08b]. steady-states [FJ09].

Steady-State [CMLL09, FHD+09, HH07a, Vos06]. Stationary [CLLG09, FHD+09, HH07a, Vos06].

Stationary [DCV+01, GS06a].

Statistical [CLLG09, FHD+09, HH07a, Vos06].

[DC08, DF07, FS01, HGBH03, SFX03, CFM09, FWP09, GT09a, PM07].

Statistics [FH02]. Steady [CYKC01, CAL00, GM01b, MOvL00, PPB09, VG01, VP09b, vBRK01, AM04, BNNP06, BLM04, BEG03, CGH05, CC07, CS06, CS07d, CY05, DR09a, FJ09, Geo08, Gla05, GMO04, GS06a, HY09, HY11, HLY09, Hub07, ISNY05, NJX08b, PR06, RFVP09, VV08, WK07, Wen06, XMP07, XSG04, ZKY05, ZL08b].

Steady-State [CYKC01, CGH05, CY05, ISNY05, VV08, ZL08b]. steady-states [FJ09].

Steady-State [CMLL09, FHD+09, HH07a, Vos06]. Stationary [CLLG09, FHD+09, HH07a, Vos06].

Stationary [DCV+01, GS06a].

Statistical [CLLG09, FHD+09, HH07a, Vos06].

[DC08, DF07, FS01, HGBH03, SFX03, CFM09, FWP09, GT09a, PM07].

Statistics [FH02]. Steady [CYKC01, CAL00, GM01b, MOvL00, PPB09, VG01, VP09b, vBRK01, AM04, BNNP06, BLM04, BEG03, CGH05, CC07, CS06, CS07d, CY05, DR09a, FJ09, Geo08, Gla05, GMO04, GS06a, HY09, HY11, HLY09, Hub07, ISNY05, NJX08b, PR06, RFVP09, VV08, WK07, Wen06, XMP07, XSG04, ZKY05, ZL08b].

Steady-State [CYKC01, CGH05, CY05, ISNY05, VV08, ZL08b]. steady-states [FJ09].

Steady-State [CMLL09, FHD+09, HH07a, Vos06]. Stationary [CLLG09, FHD+09, HH07a, Vos06].

Stationary [DCV+01, GS06a].

Statistical [CLLG09, FHD+09, HH07a, Vos06].

[DC08, DF07, FS01, HGBH03, SFX03, CFM09, FWP09, GT09a, PM07].

Statistics [FH02]. Steady [CYKC01, CAL00, GM01b, MOvL00, PPB09, VG01, VP09b, vBRK01, AM04, BNNP06, BLM04, BEG03, CGH05, CC07, CS06, CS07d, CY05, DR09a, FJ09, Geo08, Gla05, GMO04, GS06a, HY09, HY11, HLY09, Hub07, ISNY05, NJX08b, PR06, RFVP09, VV08, WK07, Wen06, XMP07, XSG04, ZKY05, ZL08b].

Steady-State [CYKC01, CGH05, CY05, ISNY05, VV08, ZL08b]. steady-states [FJ09].

Steady-State [CMLL09, FHD+09, HH07a, Vos06]. Stationary [CLLG09, FHD+09, HH07a, Vos06].

Stationary [DCV+01, GS06a].

Statistical [CLLG09, FHD+09, HH07a, Vos06].

[DC08, DF07, FS01, HGBH03, SFX03, CFM09, FWP09, GT09a, PM07].

Statistics [FH02]. Steady [CYKC01, CAL00, GM01b, MOvL00, PPB09, VG01, VP09b, vBRK01, AM04, BNNP06, BLM04, BEG03, CGH05, CC07, CS06, CS07d, CY05, DR09a, FJ09, Geo08, Gla05, GMO04, GS06a, HY09, HY11, HLY09, Hub07, ISNY05, NJX08b, PR06, RFVP09, VV08, WK07, Wen06, XMP07, XSG04, ZKY05, ZL08b].

Steady-State [CYKC01, CGH05, CY05, ISNY05, VV08, ZL08b]. steady-states [FJ09].

Steady-State [CMLL09, FHD+09, HH07a, Vos06]. Stationary [CLLG09, FHD+09, HH07a, Vos06].

Stationary [DCV+01, GS06a].

Statistical [CLLG09, FHD+09, HH07a, Vos06].
STZ07, Soc03, SCN07, SN08, STR07b, SPW+00, TOZP03, TLK09, TXCD07, TC09a, TS04, TG08, TWS02, VSW04, WRu03, WPH00, WK01b, WS01, XK01, Xu01c, XXY05, YS07a, YJF+06, ZL08b, ZDNP00, dVGLM09, vBRK01. Stokes/MHD [YS07a]. Stokeslets [ADE+08]. stopped [Buc05]. storage [CFR04]. strained [RS06b]. strains [SKS08, YH07b]. Strategies [ADIM09, BP09, CL06b, ERVE09, FVE04, GCCD07, GE07, HE07, MMS04, MHE06, VBL03, VBL04, YYT05, dDEK09]. Stratified [CL07a, CL08b, DKS01, Pai01, Bar04, BM06, DDD05, GBC06, KSH+06, KSH08, SE04]. stratosphere [MM09]. Stream [HF00, Pee03, LL04a]. streamer [CN08]. streamers [MHE06]. Streamfunction [Cal02, AKH06, BACF05, GK05]. Streamfunction-Velocity [GK05]. Streamwise [HFO01, MJT06, Yeh07]. Strain [JOS06]. Strength [RH01b, XDC09]. Stress [HJ02, BS09a, SW04a, YAvdB+08, GM01b]. stress-velocity [YAvdB+08]. Stressed [ATV01, LN09, RRV06]. stresses [HO03]. stretch [ID04]. stretched [dHRvdB07]. Stretching [ACGV07, GGRS08]. Stretching-based [ACGV07]. Strict [AC00, ACY00]. stripes [SROCFF03]. string [CP03b]. strip [ST04]. Strong [GG00, Sun00, DDSV09, DL09, HP04b, KLL09, KWD07, LP06a, LKY03, dWK07]. Strong-field [dWK07]. Structured [WBD07]. structured-grid [CSML06]. Studied [vHBB02]. Studies [OS04, RSO04, CGS08, LZ09c, LGK06]. Study [Dar00a, DVC+01, DP00, LZ04, Lin02, PPCW06, SZ01, BB08, CL07a, CKG04, CP05, CM03, DS06b, DLW04, GR08, GLLX08, HMR08, IA06a, Kas07, KTD03, LCB04, LL08a, MC09, MC06b, NFA03, OCFF08, QKS06, Ren07, SS03a, SJ04, SB06c, SKW05, SCR08, TPVG06, VL07, ZK05]. Studying [PA00, Kro01]. subject [BAMD07, BAR08, CLTA07, VS07]. sub-cell [BAMD07]. sub-diffusion [CLTA07]. sub-linear [BAR08]. sub-wavelength [VS07]. Subband [PA05]. subcell [LS05b]. Subdomain [WP02, KT05]. subdomains [KT03]. subfilter [LDN04]. Subgrid [AS02, ML01b, AHF04, PM08, VK09, Ye07]. Subgrid-Scale [AS02, AHF04]. subgridding [VPCM04]. subject [SG03a, VVS08].
subjected [JOS06]. Submarine [DC02, FNBB+08]. Submodels [BW02].
Subsonic [SSD00, SB02, HSO03, Pro05, Pro07, SBC04]. Subspace
[SWTM01, BEPT09, ZSTC06]. substances [NDG05]. substrate [ZDD09].
Substructured [SC01]. Substructuring [Man02]. subsurface [JLT03].
Suction [CS00]. Sufficient [SV00]. sufficiently [GP05]. Suitability
[MLM09, PYC04]. Suitable [Tem06, KPP07, KE09, RB06]. Summation
[MN04, MN17, KTD03]. sums [LT09a]. Super
[CR02, AC09, CLL07a, Sar03]. Super-Grid-Scale [CR02, AC09].
super-lattices [CLL07a]. Super-Grid Scale [CR02, AC09].
superconformal [SS08]. Superconvergence [CS08b]. superconvergent [LNXNTX09].
supercell [LKE04]. superlattices [CBC09]. superlinearly
[VSW04, VSW06]. supersonic [BP04a, DJGJ03, FL07, MT07a, UPKN09].
Support [MHS01, EZ08a, GG09b]. Support-Operators [MHS01].
supported [Tow07]. suppressed [Bor03]. suppression [Lur07]. supra
[MGC06]. supra-convergent [MGC06]. suprlinear [CMG09].
supersonic [BP04b]. Surface
[AJNR03, BST01, BK01, CS00, DF00a, GHG01, GJKW07, JTB02, JK02, Nie01,
RRV06, RRV01, RR02, SZ01, Str01b, TCM+00, ZT02, ZCM01, vBRK01,
AMH04, AMS04, BNM05, Boy05a, BN09, BGN03, Bur05, CPR05, CS05, Che03,
CFJK05, DS05a, EE08, EG08, FCD+06, FCGK05, GV08, GT09b, GFR09,
GS03b, GCCD07, GAC+09, GR07, GS09d, HS09a, HZ07a, Hum05, JCT07,
Kim05, KJW09, LLP07, LB03a, LN09, LY04, LF04, MS08a, Ni09, NGC+07,
OTCM08, Pee03, PN03, Pop09, QP03, RB05, RMF08, SDG07, SE04, SK05,
SAKJ05, SC08b, TJ09, TW07, WSI08, XM07, YZ07, YP06, ZKDT07, ZL09].
Surface-Tension-Driven [Str01b, Pop09]. Surfaces
[BCOS01, CBM02, CBLO1, KKGL01, ML01a, MS01, BPL06, BHP07, Ccc05,
CD09, Chr04, CH08, GH08a, GNNB08, He05, JR03, JR04, JCT07, LZ09a,
LMU05, MR07b, Nic09, RGS04, RM08, dSMN+04]. Surfactant
[GHG01, JL04a, LT08, XLLZ06, ZEA06]. surfactant-conserving [JL04a].
surfactants [GT09b, MT08]. surrounded [CPR05]. Survey
[Ben02, KK04]. suspended [KKHP+08, KSMH08, VGZB09, VGBZ09]. suspension
[AH08, FY07]. Suspensions [JCO2, DMHP07, HO06, HHM04, TG06].
sustained [CB09]. sweeping [COQ06, FLZ09, KOQ04, KOQ08, LSZZ08].
swimmers [HK08b]. swimming [KM08a]. Switch [KMA+01]. Switch-On
[KMA+01]. switching [CBH03]. Symbolic
[BMDS05, BSP06, CS03, DP00, CS04, MBS05], Symmetric
[DDS+00, GFCK02, HZ02, Mit00, Ver01, BS08a, BPS03, CJR04, JLO05a,
KLS09, LL05]. Symmetry [WZ02, KEB+07]. Symmetrized [DS06].
Symmetry [BPMR08, CRB00, Car01, DH09, VV03, Kok09, LW04].
Symmetry-preserving [VV03, Kok09]. Symplectic
[Re00, Cor08, HLO06, HL06, LHJ07, JL09, MG09, QM03, SHWC07, Tan05a].
Synchronous [MMKP08]. Synergia [ASQR06]. synthetic [FPW09].
System [AKV00, Ano08-50, FK02, HK01, LP02, MP01a, MP02, MCCT02,
VQSZ02, Wu02, de 00, BSW03, BL04, BP06, BLG+08, CGMS03, CR09, CBS05, DMBS05, Del03a, Del07, Eli03, Eli07, GS06a, GS09a, GGNN+09, HK08a, HMRR04, HJM+05, HGB+03, ILL90, JMJ04, Nat06, NMM+07, Nis07, SM09b, SA09, VVM05, VOV05, WO05, WO09. 

**Systematic** \[YC99a\]. **Systems** [Ben02, CWWZ00, CPP02, CM02, FMO00, GTD00, HZ02, HR01, HPZ01, KLN+01, KKP02, LMSW02, Mu02, Noc00, PS02, PO01, RC00, San01, SSC00, AS05a, AGT05, AC09, BCB03, BK07, BS09b, BTWgBW07, BP07, CLS+06, CORT09, CGP05, CP06a, Cap08c, Cap09, CBzdC07, CHM08, CP08, DDD05, De 04, DK07, DKTT07, ELVE07, Edw06, FVE04, FHL00, FHLK05, FT09, GV06, Gui05, HJFW04, HH07b, HM08, Hau08a, Hau08b, HC09, HS09b, Hwa03, HWW07, JRS05, JLOT05a, JHZ+09, JAK05, KDOO05, KSSH08, KVM03, Kau03, KCMM03, KB08, LSL03, LL03c, LVW06b, Liu08, LCM07, LB04, LMZ+08, Mad06, MM07, MM07, Mil04, MG07b, MC07b, Moo03, NZZ06, NFA03, NZ07, PGB05, PA07a, PDL09, PC06b, PBH04, Pro08, RE07, RP08a, RS05, RS09a, RBL04, Ros06, Ros08, RM07]. **systems** \[SS03a, SWB+06, SHS08, Str07a, SG03b, Tan05a, TT05a, Tok06b, TT06a, TT06b, THD09, TDV06, VHI06, VTM+08, WZL04, Wen06, XS06, YSO7a, YKG04, ZIP06, ZFM08, dSMF09\]. **Systolic** [DHM03].

**T** \[Har04, AMXL09, DZ09a, HJSZ07\]. **T-3** \[Har04\]. **T/TM** \[DZ09a\]. **Tabulation** \[HGM01, LP09\]. **tailored** \[dNWvSD07, dTW09\]. **Takizuka** \[WLC+08\]. **tallies** \[GMH06\]. **tandem** \[MAL09\]. **tangential** \[GH08a, ND04, VQLZ04, ZVQ07\]. **Tank** \[LLQ+02, CN05\]. **tanks** \[Fra04, LL08a\]. **Tapered** \[CA01\]. **Target** \[HZ07a, MS04\]. **targets** \[HSZ04\]. **tau** \[RE07\]. **taxonomy** \[EHS+08\]. **Taylor** \[BZ08, CR00, Dar00a, FS06, FDD09a, GGL+01, KB01, LBL08, NCS03, TM05\]. **TDGL** \[WA02\]. **TE** \[ZW05\]. **TE/TM** \[ZW05\]. **technical** \[BEA09\].

**Technique** \[AA02, BU02, CL02, GG00, HPZ01, KKK01b, MBB00, NTY01, NTY02, SML02, SHS02, WLE+00, BGM08, Bet08, BP04a, BGN03, CB03, DDK06, FKO07a, FM06, GPV07, GLLN09, HLL08, LY07b, LJM+06, Lar09, LKM05, MKL05, MCN03, OTCM08, OK07a, RVV09, SGFL09, SP05a, WZ09, XYK05, YZL09, KG09\]. **Techniques** \[Ben02, HH01, MM01, MOS+00, Spo00, BS03b, CR08, CRB+08, Dem04, DDDC07, HV03, KS08a, LWG03, PS07c, SY09b, SP05c, SMM07, VBJ08a\]. **telemetry** \[CP03b\]. **teleportation** \[DS05b\]. **Telescopic** \[GK03\].

**Temperature** \[ELW01, JK02, HS04, KW03, LZ07, LP06a, MDR07, NVD05, Soc03, XHC08\]. **Temperature-Dependent** \[ELW01, KW03\]. **temperatures** \[SK08a\]. **Temporal** \[CV06, GHV00, Wec02, DGF09\]. **Temporally** \[Nys02\]. **Tensile** \[Mon00\]. **Tension** \[CS00, JTB02, Nie01, RR02, SZ01, Str01b, BN09, FCD+06, GV08, GR07, Kim05, LLP07, LF04, Pop09, SAKDJ05\]. **Tensor** \[BTFY01, CS01a, Edw00, KKCF09, KMHR00, ML01b, KR09b, LR07, Owe04\]. **Tensor-Diffusivity** \[ML01b\]. **Tensorial** \[PB00, NV09\]. **tensors** \[Hua05\]. **Term** \[HK00, WK01b, CVB06, DMR09, GS06b, JL04b, PPB09, SK04a\].
Terms
[BJ00, BBR01, HGN00, Xu02b, ZCMI01, ASPB03, BP03, HW08, KD09,
KG08, LTZ03, MPFC08, RBT03, SZC09, Tol07, TE04, TT05b, Wen06, XS06].
terrain [Ano08-50, SM09b, WS04]. terrain-following
[Ano08-50, SM09b, WS04]. Test
[HS07b, BZ08, CHM08, DTSC04, GR08, KZWH09, SD06, ZRS06]. testing
[Hig05]. Tests
[BK01, LLIK01a, LLIK01b, MEG02, SPW+00, DLMK04, SD05b].
Tetrahedral
[BT02, MGGH00, MP01b, CBH03, DS05a, MP05, VGPL09, YJ06].
tetrahedron [DR06]. tetrahedrons [LJSM08]. Textbook
[LDPL08]. Textbook-efficiency [LDPL08]. Their
[LP01, Saf00, BZ08, GLMH09, HO08b, Q504, Ros08, Tak06, VB08]. theorem
[BO09, Tow08]. Theoretic
[HSK00, HSQ03]. Theoretical
[Wag05, ZGSD06]. Theories
[BTFY01, CLMRP08, Chr03, HvHHS05, LM08a]. Theory
[AKY01, FS00a, FS00b, HWL08, JTB02, YLD09, AK09, BBB08, CXX08,
CBC09, CFM09, FH07, FLE03, GD07b, HMA05, JR03, JR04, YJ08,
KDF07, Lau04, LS05a, MG07a, PM07, RCT07, SF03, XSG08, ZK05].
Thermal
[DDG02, GR01, JPR00, Sie00, Cho05, DSM09b, EULM03, FHL008,
FBHV05, LCB09, LM08c, MC04, MH08, MELD08, MC09, PSC04,
PSMW09, S809, TSG+06, YWC07]. Thermal-Creep [Sie00]. thermally
[MY07, RWMK03]. thermo [BZ04, KK03a, KP08]. thermo-
[KK03a]. thermo-acoustic [KP08]. thermochemical [KW08]. Thermodynamic
[GC02b]. thermodynamically [WAO+04]. thermodynamics [MY03].
Thermoelastic [BM01a]. Thermohaline [DOWB01, AT09].
Thermomechanical [SMG09]. thick [LSJA05]. Thickness [GC02b]. Thin
[CMK*01, DDF01, DKO02a, KK00c, TC01a, DJ04, ES03a, HKM08, JN07,
LSJA05, LHF05, MC06b, MK04b, MO06, SA06, SRX07]. thin-structure
[MK04b]. Thin-Tube [KK00c]. THINC [Yok07]. Third
[Boy02a, GST02, RDNP07, YC09b, CT09, Fox08, Hub07, ZKDT07].
Third-order [YC09b, CT09, Fox08, ZKDT07]. Third-order-accurate
[RDPN07]. Thomas [PM00]. Three
[AKV00, ART04, BFC04b, BZ09, BCM01, CRB00, CMOV02, DIL03, DK02a,
DOWB01, FVOMY00, FS00a, FS00b, FKK08, HD07, HK01, KP00, LL00,
LTZ02, LK01, LDV08, Lou00, MC02, NTB07, Pai01, PKKL05, PWS+02,
PA07b, Saf00, SHW00, S02, SS07b, Sn01, SS01b, WK01a, YXL05, YW07,
Yua02, ZSP02, ZYC02, Avd04, AK05, AV03, AC05, AMS04, AMSZ07,
BS04c, BBK07, BHP07, BCI+08, CM06, Che04, CCG+06, Che07, CFGK05,
Dim07, DLP08, DLW06, EJ07, EES09, FNS07, FR08, FCGK05, GG04, GS08,
GS09b, GB03, GP04, GWP+07, GH02, Gro07, GD06b, HZGB05, HP04a,
HS08a, HLW04, HLW06, HWW07, HB05b, IHL03, JNVS07, JW03,
KK05S, KAK03, KLP+09, LW+09, Lee03, LZ09c, LDPL08, LT09b, LVW06b,
L08a, MGC08, MRRS05, MSJ07, M003, M007, MT07b, OLLL03, Pou09].
three
three-body [SG03b]. Three-Center [Saf00]. Three-Dimensional [CRB00, CMOV02, DK02a, DOWB01, FVOMY00, FS00a, FS00b, HK01, KP00, LL00, Lou00, MC02, Pai01, PWS+02, SHWW00, SJ02, Sn10, WK01a, Yua02, ZSP02, ZYC02, ART04, BFC04b, DIL03, FKK08, HD07, LDV08, NTB07, PKKL05, PA07b, SS07b, YXLF05, YW07, AvdB04, AK05, AC05, AMS04, AMSZ07, BS04c, BBK07, BHP07, BCI+08, Che04, CFGK05, Dim07, DL08, Eli07, FNS07, FRS08, FCGK05, GS09b, GB03, GP04, GWF+07, Gro07, HZGB05, HP04a, HS08a, HWV07, IHL03, KKS05, KAK03, KLP+09, LWP+09, Lee03, LZ09c, LP0608, LT09b, LWV06b, LL08a, MRRS05, MS07, MT07b, OLL03, Pon09, RB05, SCRL08, TM05, TXCD07, TT04, TT05a, TC07b, TC09b, tg08, TA06, UL06, Wag05, WK04, WW04, XG09, YAvdB+08, YBZ04, YKK08, ZP05, ZH09, ZLAC05, ZTT07b, LMS02].
	hree-dimensions [TTZ03], three-space [TT05b]. Threshold [ET06]. Thresholding [RM01b, Mcc03]. Throat [CGH05]. Thue [WWVG00]. tilted [DDGS09]. Time
[AGH02, ACS00, BM02, Bar02b, BKR+01, BS00d, BCVK02, CN05, CM02, DOW08, Dur08, FD03, FKL+07, FMD+09, Gen01, GHV00, Gui02, Hi02, KC00, KD08, LBV01, LR01a, LP06a, Mad06, MBP00, MT01, MHP08, NU09, Nys02, POS00, PM00, Rem00, RTR01, RB02, VG01, VR02, YP01, ZTZ02, APT09, AKV06, AFG07, AB07, AK07, AG09, ACLS03, Ata04, Bal08, BBHM09, Bar04, BHN07, BHvdV06, BW05, BH05, CWT00, CC07, CT08b, CS08b, CL07b, CJK+03, CJ07, CF06, CFJ06, CVE06, CF08, DDD05, DR06, Den07, DL04, DLW09, DKS+03, DL08, DGRS08, DDD07, EL07, FKL07, FKL07, FH03, Gab07, GGF03, GvH06, GN03, GP04, GK07, GD07b, HS07a, HR08, Han00, HC08, Hig05, HDBW05, HIJ+05, Hu07, HGB+03, ISNY05, JG09, JMC03, KN09, KvdVvdV06a]. time
[KvdVvdV06b, KvRvdVvdV07, KCMM03, KLM07, KT05, KWD07, KB08, KSGF09, LS08, Lap04, Lao04, LWG03, LTE07, LP04a, LLL07, LXM09, LK07a, LT09a, LCS09, LS09, LIV07, LG08, LJ07, Low04, LB04, MLSD07, MK0904, MY06b, MELD08, MU09, MC07b, MPFC08, MK07, OS04, Ols07, Ols09, OK06c, OK07a, OPML07, PAD07, PH09, PR04b, PMP08, PA07b, RBS06, RVD09, RSS09, RCD05, RWW05, RSO04, RJ07, RMV03, RJ04, SROCF03, SW07, SWZ03, SL07b, SC09a, SK08b, SV07, SHPC09, SK06, TZHT04, Ten03, TSB03, TCN09, TDGP06, UBR07, VPM04, VW02, VCG03, VSH04, VS07, Wag05, WG08, WR03, WS04, WC08, YA05, YZW05, ZSW03, ZSW07, ZYC02, ZYL+06, ZH09, ZZ09, ZRR00, dSHHM05, dHRvdB07, vZdBB07, vdVVdV02, vdVX07, vdV08, RW02]. time-accuracy [GGF03]. Time-Accurate [KC00, LP06a, MY06b, OK07a, RVD09]. time-adaptive [CFP08]. Time-Dependent [AGH02, ACS00, Gen01, RTR01, VR02, FD03, FKL07, AFG07, ACLS03, Ata04, CJ07, DL04, DKS+03, GN03, GP04, GK07, HDBW05, LWG03,
LP04a, LB04, MU09, OPML07, RCD05, SV07, Ten03, WRu03, WS04.

**Time-Domain** [GHV00, Rem00, YP01, Lau04, LT09a, LJ07, MLSD07, MPFC08, PAD07, SHWC07, SWZ03, SL07b, VPMC04, VW02, Wag05, WC08, ZH09, dSHHM05, dHRvdB07, HW02]. **Time-Driven** [VS09].

**Time-evolution** [DDD05]. **time-fractional** [LX07a]. **Time-harmonic** [MHPR08, APT09, AG09, BHNPR07, DLP08, Gab07, GD07b]. **Time-independent** [CN05, CCJ07, CJK03, Lap04, LTE07].

**Time-Integration** [BKR01, OS04]. **Time-Line** [Gui02]. **Time-parallel** [FMD09]. **time-periodic** [MKOW04, vdV08]. **time-resolved** [Bar04]. **Time-reversibility** [DOW08]. **time-reversible** [PH09].

**Time-Scale** [LR01a, VG01]. **time-space** [LS09]. **time-split** [SK08b]. **Time-Splitting** [BJM02, MBP00, HJM05, KN09, TCN09]. **Time-Stable** [Nys02]. **time-staggered** [SK06]. **Time-Stepping** [Hig02, RB02, ZT02, Mad06, DR06, HR08, Hig05, LGM08, MPFC08, VSH04].

**Times** [QS01, Del03b]. **Timesaving** [SMSS07]. **Timescale** [Bar02b].

**timeseries** [CVE06]. **Timestep** [Car01]. **timestepping** [HSBG05]. **timesteps** [Pet07]. **tissue** [HK08c, KL06, XDB09]. **Title** [Ano00-28, Ano01-28, Ano02-28]. **TM** [DZ09a, ZW05]. **tokamak** [HJKO08, LL08b]. **tokamaks** [CTS07, LGKP07]. **Tomography** [CBB01, HCG01, BO05, CCT05, FLE03, IKL08, RR07, TMND07, THN07].

**tongue** [SP07]. **tool** [ASQR06, FK09b]. **Tools** [KT02, Kümm04b, LH08a]. **Topography** [Hor02, BGN03, FG07, GPC07, Geo08]. **topological** [BHR04, HK007, VCG03]. **topologies** [KT05]. **topology** [AS05b, AA06, Bey09, LTWW07, LL08, LTM09, WLKW07, ZL08b]. **topology-preserving** [AS05b]. **Toroidal** [GST00, KP00, ZYK01, BT07a, BT07b, CTS07, ORM06]. **total** [CT04, CCT05, SLG03, YMW06]. **total-energy** [SLG03]. **Tracing** [LM01, LM03a, MJT06, MRC03, THN07]. **Tracking** [Asl01, ČPT01, CS01, JC02, NSC09, SJ02, TNGH02, TB00b, THS07, TBE01, ZH01, AMS04, BR09b, Che04, DDS09, DFG06, Fan08, FCD06, GNN08, HSL08, KLSW09, LL07, LS08, LDW07, LLGL07, LHGF05, kM07a, MT08, NT07, PP04, PMP08, QSO7, QLS09, SPM03, Sb06, SB07, TZ06, Vo04a, WB07, ZKDT07, ZEA06, ZL08b]. **tracking/front** [dSMN04], **tracking/ghost** [TT09]. **traction** [Liu09b]. **tradiotial** [As07]. **traffic** [LG05, ZSSW03, ZWS06]. **trajectories** [DDD05, MESV09].

**Transfer** [BS00b, BW01, DKB2b, Gen01, IY102, LTK102, Cha07a, Cha07b, CS03, DL04, DUE07, FDK06, FKLY07, HL04, HC09, HDBW05, JGL06, JGL07, KM03, KNH05, LSA06, LCN07, LR03, MHB08, MELD08, MU09, MR07c, MAM06, PS07c, RW08, Th04, TFDK04, WRS08, WMJ07, YLS09, YSW06].

**Transform** [BTSM09, AB05a, CdHST08, HSO03, KOQ03, OLL03, SB06a, SS09a, WK06, ZGSD06]. **transform/potential** [HSQ03]. **transform/potential-theoretic** [HSQ03]. **Transformation** [MBM01, DT03, HHMK05, KR09a, SK05, WS04, ZKDT07].
transformation-free [KR09a]. Transformations [Saf02]. Transformed [Eli02, Eli03, Eli07]. Transforms [SS00, Kry04, VBJ08a, VBJ08b, VB08, WJV07]. Transient [CMR08, HLS02a, LWEM00, AFGM07, Hag07, JG09, Kwo08, MR07c, NPH09, PKD07, S008, vOP04]. transients [CGMS03, FF03]. Transitions [BRL02, GP00b, DJM05, EKP06, GC06, JOS06, LSL08, LZ04, Liu08, LD09b, Sus06, ZT03, vEB05]. transitional [DS06b, JD04]. Transitions [EKK02]. Translation [GM01c, GD07b]. Transmission [Wu01, BNV08, BS04d, PSH08]. Transonic [EAY01, MSJ07]. Transparent [AST07, DKSW01, FSY00, SFY01, YFS01, dSHHM05]. Transport [AS03b, AL01, Aaz02, Bal02, Cui01, DVO2, DB00, FW07, GH01, MD04, MG000, N0e00, OF02, UH01, Z01, ZKK01, deM02, AT05a, BP06, BMN07, BCCV09, BES07, BS07, BNNP06, BMS05, BS06, BH05, CL03a, CL05, CL08d, C004, DMBS05, DG07, DL03a, D0E07, D08, FWP09, FH07, GS05a, GS05b, GS08, GC06, GYK05, GLT07, GL09b, HLFB07, HJK008, HF08a, JLT06, JSCZ08, JN07, KB04, KL06, K0008, K000b, LZ09, LRM08, LFX05, L008a, LD04, Mac07, MBS03, MG000, N0S03, NL05, Ols09, PA05, PL07, R005, Rom07, RF06, Ros09, SZ08, STD05, SCC03, SCC03, SY08, SXyWX09, TX06, TMS07, TFD06, TA06, UBT07, WR09, XP04a, XDB09, Yeh07, YE05, ZWS07, ZEA06, Zie04, dA04, dE0K9, dFGLS05, DW00]. transport-diffusion [DUE07]. Transport/Advection [DB00]. transport/reaction [STD05]. Transportation [XY01]. transported [MJ07]. transpose [J0H8]. transverse [LK04]. Trap [BMS00]. Trap-Assisted [BMS00]. trapped [LM003]. Traps [WH00]. Travel [Q0S01]. traveling [EV03, MJ09a]. travelling [Boy03]. traveltime [TMND07, THN07]. traveltimes [QL04]. Treating [SHS02, MP07b, WG06, YHCD05, YW07]. Treatment [CL02, ELC02, HK00, L008b, ML01a, M000b, ZCM01, AT05a, CVB06, J04b, LL07, LP04b, MY03, P05, SB06a, SAK05, TA06, WAO04, Z0C08]. treatments [JSCZ08, KY08]. Tree [BAD00, WPM02b, COQ06, Pop03]. tree-based [Pop03]. Treecode [L0K1, LJ09, W04b]. trees [ARRS09, CMP07]. Triangle [BM01b, GW05, G06, Hei05]. Triangle-Based [BM01b, GW05, G06]. Triangles [CDK00, PR04a]. Triangular [HL01, WB01, FD07, GGM0, J0, K05, KD08, LHD08, LSSV07, LNXNT09, MJ06, P07b, SPM03, Y0L06, YJ06]. Triangulated [Car02, KOQ08]. triangulations [CP08]. triaxial [San03]. Trickle [PCC00]. tridiagonal [PSH04]. tridiagonalization [WR09]. trigonometric [QM03]. Trim [BTMS09]. Trim-to-Coherence [BTMS09]. Triple [FK09a, K0GL01, L09c]. Triple-decker [FK09a]. triply [JCT07]. triply-periodic [JCT07]. troposphere [MM09]. Trotter [MC07a]. Trouble [Boy05b]. troubled [BAMD07]. true [HAP06]. truly [GS03d, LMX08]. Truncation [HNB04, Yam01, J0n05, KK09, Lap04]. trust [BC08, HE07]. trust-region [BC08, HE07]. Tryggvason [Khe04]. Tsallis [FH02]. TSFP [ANO04-27]. TSFP-4 [ANO04-27]. tsunami [FNBB08]. Tube
tubes [TX06]. tumor [ML05, ML06a]. tuned [HP04b]. tunnel [SSW+07]. tunneling [DGM07]. turbid [Bar04].

Turbulence [BRL02, BZB00, FLG01, FSM+01, KP00, LS02c, LP02, Pir02, SLY02, SPW+00, BB09a, BL09c, CP07, CC05, DDH05, DLD08, DS09b, GBR+06, GS09d, HHPW08, HMK05, HM04, JOS06, KMD05, KMSH08, KAS06, Lar09, LDN04, LQ06, MWW06, MC06a, ML06b, PHW08, SKWN03, SCC+03a, SCC+03b, TWM07, TMD07, UPKN09, WGRA09, YSO07, YGL05].

Turbulent [EAY01, GMB01, JPMCM01, LS02a, MK02b, MPC01, MPC02, PPC00, SS02, TSB01, AGW07, BFB08, BIVC07, CRAG07, CMP07, CZ09, DMP08, DDB08, DS09a, DMM07, FE04, Gra06a, Gra06b, HP09, HM05, HO03, IK07, KIH09, KIH09, KM06, KM07b, LP06b, MLM09, MJ09b, PDDM08, Pro05, Pro07, RJ06, SS07a, SJHM09, SFM06, VC03, VD02, XLP05, YB06].

TVB [BBCT09]. TVD [GC01, HL04, KT04, PL09b, SPGR06, YL01].

TVD-interpolating [HL04].

Two [AJG01, ART02, ACS00, Bar02b, BMR01, BMR02, BDL01, BZW01, BH05, CFA01, Cal02, ČPT01, Cle00, CD00, DCV+01, EKK02, Eli02, EF02, FT01, FS00a, FS00b, GS02, GW01, Goe00, GP00b, GKL03, HLS06, Hig02, JWSC00,KK00b, KL0BvL02, KMHR00, LD04, LG09, LTZ02, LW05, LW06, Mai01, MR04, Nys02, ODAF06, OS01, PKvdB00, PS01, RC06, Sa00, Sa02, SW00, OS01, TPD08, TGD08, TGB07, Tow07, VD02, WK01a, WL02, WB01, X001a, YS07, ZYC02, ARRS09, AV03, AW04, AT09, AMS03, BT04, BM07, BW07, BH04, CGR06, CA06, CHL06b, CS09, CSL08, CY05, CM08, CC08b, CDV07, CK07, DBMS05, DM03, DDK06, DP07, DP08, DCF+08, DSS07, DDS09, DS09b, DR09b, EGHE06, Eg07, ECL02, Eli03, EES09, EF03, FR08, FJ09, FHLK05, FCT07].

two [GS09a, GGP06, Gro06, GR07, GD07a, Gui05, HT07, Hel05, HL008, Her05, Her08, Hig05, HZ07b, HB05a, HT03, HH06, IOTK04, JA08, JBF07, JX06, JN07, KSHS08, KL05, KRO01, LCB04, LLP07, LSD07, LLO5, LS05a, LT09b, LMS08, LTO07, LP04b, LM03b, LHGF05, Ma05, Mai03, Mai04, Mai09b, Mai09a, kM07a, MR06a, MMS04, MR05, MST06, MP03, Men04, ML06b, Mou04, MGNB09, MG05b, MAL09, Nic05, OK05, OKZ07, QA09, QL07, QS07, RMB07, Ram06, RRC05, RMG+09, RMF08, SWK06, SY09a, SS09b, SYC09, SL03, Sky04, Sky06, SSND03, SX0W09, SSH+07, TM07, TOZP03, TTZ03, TM07, TM05, TPV07, Tol08, VSV08, VCG03, VD03, WZ04, Wen09, WO09, Y070, Y705, YBZ04, YF09, YE05, ZLAC05, ZHSS09, vBK03, Cap06, JW02].

Two- [FS00a, FS00b, ZYC02, TTZ03, ZLAC05]. Two-Body [Ma01, Mai03, Mai04]. Two-component [SS04]. Two-Density [OS01].

two-diagonal [To08]. Two-Dimensional [AJG01, ART02, ACS00, BMR01, BMR02, BDL01, BZW01, Ca02, CD00, DCV+01, Eli02, Goe00, KK00b, LWEM00, PKvdB00, VD02, WL02, BH05, LKD04, LG09, MR04, ODAF06, RC06, ARRS09, AT09, BT04, BM07, BH04, CS09, CY05, DCF+08, DS09b, ECL02, Eli03, FHLK05, GGP06, Gro06, Gui05, HT07, HT03, JX06, JN07, KSHS08, KRO01, LSD07, LS05a,
LT09b, LTC07, LP04b, Ma05, Mai09b, Mai09a, MMS04, MST06, MP03, Men04, MGNB09, RRC05, SSND03, SS04, TM07, TOZF03, TM05, TPV07, VVS08, VCG03, VD03, WZL04, YYT05, JW02, Cap06. \textbf{Two-Electron} [Saf00, Saf02]. \textbf{Two-equation} [ML06b]. \textbf{Two-Fluid} [CPT01, HLS06, KlBvL02, TC02, CDV07, EF03, FJ09, Hei05, JBF07, QA09, SL03, Shy04, vBK03]. \textbf{two-layer} [CGRGV +04]. \textbf{Two-Level} [Hig02, CSL08, Hig05]. \textbf{two-medium} [QLK07]. \textbf{Two-Phase} [CFA01, CPT01, Cle00, EF02, GS02, GW01, GP00b, PS01, SP00, Xu01a, Low05, TGB+07, YSS07, AW04, AMS03, BW07, CA06, CMR08, DM03, DDK06, DP07, DP08, DSS07, DDS09, EGHE06, FRS08, GR07, GD07a, Her05, Her08, HZ07b, HH06, IOTK04, LL05, LMS08, LM03b, LHGF05, Mou04, QSO7, RBM07, RMG+09, RMO08, SWK06, SY09a, SS06a, SYC09, SXyWX09, SSH+07, TMB07, YZ07, YF09, YE05]. \textbf{two-phase/vapour} [BW07]. \textbf{two-point} [Eg07]. \textbf{Two-Scale} [EKK02]. \textbf{two-species} [LCB04]. \textbf{Two-Sphere} [KMHR00]. \textbf{Two-Timescale} [Bar02b]. \textbf{Two-Way} [FT01, WK01a, CC08b, GS09a]. \textbf{Type} [Gui02, Han00, HT00a, HT00b, Shy01, WH02, AINR03, BP03, BSLN09, CLS05, CS07a, FNBB+08, GGCC09, Hel09b, Lar07, LNGK04, LG05, sLwG08, LLOT06, LCS09, Loh04, NJX09, NF09, PDS09, PL09a, Shy04, TD07, Wen07, WF06, XLS07, XL09a, AT05b, CJR04, JHZ+09, LD04, MN09a, PK03, TB06, XHW07, vBK03].

\textbf{Uhlenbeck} [Del03a]. \textbf{Ultimate} [Abg01, VU04]. \textbf{Ultra} [HMK02, BH09, BMK+06, HMM07, KQW03a, KQW03b]. \textbf{ultra-relativistic} [BH09, KQW03a, KQW03b]. \textbf{ultra-violet} [BMK+06]. \textbf{Ultra-Weak} [HMK02]. \textbf{ultrashort} [Sau04]. \textbf{Unbounded} [CR02, BHNPR07, BP08, DD03a, DD03b, HZ08, VZSL07]. \textbf{Uncertain} [Hor02, EN06]. \textbf{uncertainties} [AA07, AA09, LSK06]. \textbf{Uncertainty} [BPM06, CGH05, CDE06, KG06, LK07, Pin09, X03, X07]. \textbf{Unconditionally} [AB03, Azm02, CYK01, JTL09, KR02, ML06b, NFGK07, ZZ01]. \textbf{under-resolved} [TV08]. \textbf{undergoing} [CGDT09]. \textbf{Underresolved} [CS01b]. \textbf{Understanding} [DWC+09]. \textbf{underwater} [FRS08, KS08a]. \textbf{Unequal} [Zha02]. \textbf{uneven} [DL03b]. \textbf{unevenly} [Mil05]. \textbf{Unidirectional} [dSHHM05]. \textbf{Unified} [HK01, KAA+07, Wu02, Xia04, XAL06, DBTM08, FK09b, Jia07, JK07, LZ04, Meh04, MY03, SW08c, WD07]. \textbf{Uniform} [SV00, Cap08a, FCT07, HKG08, Hu05, HSS07, ISNY05, KK03b, LCG07, NVD07, SZ05, STZ07, Tor03, TB04, Vas00, VSW06, YA05, ZIP06, ZT03]. \textbf{uniformity} [NVD05]. \textbf{Uniformity} [BLM08]. \textbf{unifying} [WG09]. \textbf{Unit} [VQSZ02, Hei04, JA08]. \textbf{units} [ALT08]. \textbf{unity} [GLN06]. \textbf{Universe} [BADG00]. \textbf{Unlimited} [NT07]. \textbf{unmagnetized} [MD04]. \textbf{unsaturated} [LMH07]. \textbf{unscented} [IKL+08]. \textbf{Unsplit} [Hu01, CCF+05, EB06, GS05b, GS08, LD09a]. \textbf{unstable} [AZ05, FCT07, GKE04, KG03]. \textbf{Unstaggered} [GH00]. \textbf{unsteadiness} [CGM07]. \textbf{Unsteady} [BMRS02, BMQS02, BCVK02, BL01, BGN03, GSD01].
KC00, LHD05, QV01, VC00, WB09b, ZYC02, AM03, BLM04, BCI+08, CTV+08, DT04, DPRN05, EHD08, GS07, GMAj09, JMC03, KZ04, LDPL08, LF05, LXX04, LGM08, LZH+06, MLS+05, MGB09, NJX08b, Pon06, RDPN07, SC08a, SFE07, SY03, TZ03, TZO05, TJS03, Tsy03, VBL03, Wan05, WM07, WGS+08, XYK05, You06]. **Unstructured**

[BM01b, BW01, DVC02, DPCV02, Edw00, HZ07a, HW02, JK00, KC00, LM01, MVM02, Mav02, ML01a, MD06, MG02, OGV02, PW00a, Per00, SC01, SMP01, Wan02, WL02, Wan05, WH00, WB01, ZSP02, ZT02, ZQS08, dSAK00, AZC05, AB05b, BFB08, BES07, Ber06b, BS03a, BM07, CKvT07, CDDL09, CS09, CP08, CSDK05, DSM09a, DMR09, DK07, DKT07, DBLM08, DZ09b, GS09b, HZGB04, HZGB05, HWL08, HV03, HNF07, Her08, HHHK05, JH06, JMC03, JS05, KT03, KT05, KE09, LM03a, LCH03, LK09, LFW09, LSS06, LSSV07, LVW06a, LVW06b, LB05, LBL06b, LBL07, LHZ+07, Maa09b, MB04, MCP03, NOG08a, NGL08b, NJX08b, PL09b, PN03, RAD07, RRW05, RWWS07, Ross09, SS05b, SP06a, SWL06, TZ03, THD09, TT06c, VSW04, VSW06, WZL04, WLC+06, XLS09a, XLS09b, YJJ+06, YA05].

**unstructured** [ZLAC05]. **Unstructured-Grid** [SMP01, SS05b].

**unstructured-multigrid** [LZH+06]. **Untangling** [VGS04]. **Update** [Xu02a]. updated [GCCD07]. **upper** [GG09b, MM09, ZK04]. **Upscaling** [DGH08, EPW08, Koa07, Nov04, PC06a]. **upstream** [ST03a]. **Upwind** [CRD02, Hwa03, PD01, STST02, WB01, AD04, BGN03, BL03, Cap05, Cap06, Cap08b, CS09, DE06, IM07, JAK05, KK07, LW04, LJ09b, LD04, PYC04, RS06a, RB09b, SGD03, Ser09, SS09c, SS05b, SB03, WZ03, ZYHS07].

**upwind-biased** [JAK05, PYC04]. **upwinding** [CD03, XD07, ZKDT07, ZR08]. **UR** [Har04]. **Use** [DPRS01, MD02, PS02, TK00, VG02, DTMS06, Dic08, GS03c, KFJ06, NLT07, RB06, RBL06, Ram03, SPLM09, VTV+07, WG08]. **used** [KN09, Kau03]. **Useful** [Saif02]. **Using** [AC01, A05, BM02, BC02a, BMRS01, BMRS02, BT02, BRL02, Bon00, Bow01, BMO01, CS01a, CBMO02, CSV00, CL03, CL00b, CB07, DDD05, DGH02, GW02, Gos02, HAA00, HHL00, HR01, HF01, HPZ01, KMA+01, LS02a, LB00, LP02, LLQ+02, MR00, MKM99, PM02, PR01b, RS02, RRL01, Sa02, SSSW00, ST01, S02, SSD00, TK02, TR02a, TTS01, hRT02, WPH00, Whi00, WHV+00, ZYC02, ZF02, ZKK01, APP+07, AM04, AJ04, AD09, AA06, BLS08, BS04a, BB04, BPS07, BPS07, BG09, BT09, BCGR05, BJ04, CJS09, CW07, CPG04, CR08, CQ040, CM06, CP04a, CCT05, CEL06, DMHP07, DK06, DK06, Del03b, DL03a, DW09, DS09a, DSO07a, ELD08b, EK07, FT05, FW07, GDM03, GGS09, GWF+07, GKJW07, GRI09, GL08, GYK05, HPS06a, HZ07a, HB05, HSB09, HSBG05, HKS09]. **using** [HS08a, HSZ04, HL07b, HSL08, HF08b, HMM07, IKL+08, IM05, IS05, JW09, JS05, KKS05, KW08a, KHI09, KK05b, KHI09, KYL07, KZ06, KF06, KR09b, Kün04b, KLP+09, LDN04, LKG04, LW03, LCG07, LM08b, LAKD08, LK09, LDL+09, LNXNT09, LY04, LBL04, LWW07, LTL+09, LTM09, MKM04, MR06a, MGCR07, MPD08, Men04, MC03, MGS07].
MCN03, MR07c, MHW05, NJLA06, NM06, NI03, OJW06, PS03a, PM07, Pon07b, Pro03, RRC05, RA09, RBT03, Ros09, SRM09, SDR07, SP04, SL04, SO08, SL07b, SAKD05, SZ05, SNLS03, SSND03, SCW*09, SGG*04, SP05c, SJC07, SDFS06, zSW06, zSO06, SB07, TZ03, TML05, TLK07, TZ07b, TZ07c, TDF06, TBJ*09, TGB*07, TdAAP08, VCG03, VS07, WL03, WWC07, WLC*06, Xia04, XAI06, XYY05, YFLS06, YYTO05, YSO07, YGL05, YZH*06, ZYT06, ZGO08, ZC09, ZKS*09, ZTSC06. using [ZQSD08, ZQ09, dTDI*07, dCNHSD07, vBag09]. UV [Bor03]. UV-suppressed [Bor03]. Uzawa [BT02, PS07d].

V [LVW06b]. vacuum [CTS07, KSHS08]. valid [CTS07]. Validation [BP08, MHS02, OB06, BT07b, BCM*07, MVW08]. validity [WZ07]. VALIS [SA09]. Value [DKX00, DKX01, KJ01, OKL01, ADBL05, BM05, BS05, EG07, F003, KAO07, PS08, RMGK04, S06, YYT07, dCNHSD07]. Valid [MF01, JLOT05a, LW07]. valve [vLAvdV06]. Vanishing [KK00a, PSZ09, SS07a]. Vapor [JLCD01, JW00, JW02, AMH04, JW03, SUS03]. vaporizing [TMB07].

vapour [BW07]. Variable [Alb00, BR09a, GQ00, SBBG00, Wan04b, AT09, Ber04, BK08, BRP05, CCG08, DDBB08, FG07, Geo08, GS09c, GD05, HYLL07, HL05, IQ08, KKM08, KKS05, KLP*09, LT05, LP06a, MGC06, MDR07, NI09, OK06a, PS03a, PS07d, RVM07, RVD09, SD05a, SD05b, SHT09, TBT*09].

variable- [BRP05]. variable-density [AT09, SD05b]. variable-node [KLP*09]. Variables [AD01, H01, BB07b, Hau08a, Hau08b, IA06b]. variance [DL03a, HH07c, VU04]. variance-conserving [VU04]. variant [Gh006]. variants [JHZ*09]. variates [GL09a, HK07]. variation [CT04, Kar04]. Variational [BCOS01, DCS00, DL03a, Hua01b, HS03b, HMK02, Lap04, Li08b, MN02, NZ05, WGR09, AZ06, Aza06, CM06, CCT05, FDL08, GZ07a, Gra06a, Gra06b, HMM07, JCT07, MS04, WST09, YFL06, ZHS09, Z09].

variations [S09c]. various [G004, PL07]. Varying [CK00, A09, GT09, K00, TZ04, V00]. Vector [BS01, CSV00, Whi00, BO05, CJ09, DQ04, FWR07, IA06b, JVV07, LY07a, MBS03, OCCF08, QA09, RRW05, SR09a, SJD05, ST03a, YHS07].

Vectorial [GBG01, FCJ08a]. vectorized [FLE03]. Vectors [VSM01, AL06, RMB07]. vehicle [ELD08b]. velocities [BF03]. Velocity [BRL02, C01, DC01, FP08, MM07, MC07a, MF00, Mie00, BL09b, BHR03, CFS09, Car09, CEL06, DBS06, GD07a, G05, KM06, KM07b, LY04, MC06b, NMS07, Pap08, PM08, Pon06, SH07a, SLC07, SS05c, Tan08, TG04, WFC09, WS09, YAvdB*08, ZSC07, ZX08]. velocity-estimation [PM08]. Velocity-induced [MM07]. velocity-pressure [NMS07, Pon06]. Velocity-Vorticity [DC01, LY04]. Verification [MP08, Roy05, Tak06, WLC*06]. Verified [HP09]. Verlet [MC07a].

versatile [HHC08, MDB*08, NC04]. Version
[MR01, GH02, GHMP07, LCM07, VMN07, XAI06]. **Versus** [Mav02, ABHT03, NVD07]. **Vertical** [BRL02, TW05, TR07, FCT07].

**Vertically** [MM09]. **Very** [DZ09b, GSV09, NK08, STZ07, TR02a, DET08, Hen03]. **Very-high-order** [GSV09]. **vesicle** [DLW04, DLW06, ZDD09]. *vesicle-substrate* [ZDD09]. **vesicles** [GFG09, VGZB09, VGBZ09]. **vessel** [CGN+07]. **VI** [SWL06]. **via** [AS03b, BHP07, CFM09, Dina07, EE08, ES03b, GS05b, GS08, HS07a, JY08, JM01, KK09, Kry04, LS08, ML05, OVG07, OK07b, SW00, SKAS01, Sur05, TB00a, Tow09a, XK03, ZL04, ZSC07, ZW04]. **Vibration** [SCD00, SZC09].

**vicinity** [KZWY09, LL07, ZSW03]. **victoria** [SM09a]. **violet** [BMK+06]. **Virtual** [FHJK09, GJK09, Lee03]. **Viscoelastic** [PS01, APTJ+04, APP+07, BPL06, FD03, FKK08, LC03, MDM03, TdAAP08, TCM05, VC03, VCT09, YSS07, YZF+06, vOP04]. **viscoplastic** [BZ04]. **Viscosity** [Alb00, CS01a, ELW01, KKK00a, LP00, SS03b, BL09c, CLG07, CL06a, Cho05, CC04, DL08, JA08, KKS05, KR09b, Mac03, MLM09, Nov04, Owe04, RBH03, RMSB09, Sar03, SS07a, SK01a, TLL+08, VH06]. **Viscous** [CKR00, CRR01, CRR02, GPH+01, Hun01, MK08a, PW00b, PW01, PS00, Q01, RH01b, Sum00, TC01b, WP02, Xu01b, ADR08, BL09b, BF08, BTW03, CN05, DS06a, DND06, FP08a, GXW07, G09, GGS09, GGF03, GMD07, GGP06, GN07, HEN09, HL07c, HSL08, HLY09, JX06, JX07, KR09a, Ke10, LKP06, LLL07, LX07b, LDV08, NBLQ09, NJX08a, PKD07, PSC+06, PWM06, RW03, SROCdpFF05, SC08a, SZC09, SY03, SWL06, SK03, TZ03, TZZ05, TLL+08, VGZB09, VGBZ09, VD03, WFC09, WB09a, XH03, XMT05, Xu08, ZKY05]. **Viscous-Plastic** [Hun01]. **Visibility** [TCO+04]. **visible** [BMK+06]. **vision** [FSS03]. **visual** [Asl04b]. **Vlasov** [AV02, BS03a, BLG+08, CDL05, CLS09b, Eli02, Eli03, Eli07, EB06, FBFF00, FSB01, GHB03, GS06b, HZ02, HF01, HGB+03, IITV07, IKS+09, KB04, MCCT02, SG06, SA09, VVM05, VTC+07, WO05, WO09]. **VOF** [AZB09, GMD03, GW01, LHHG05, LF04, MZ07, Yok07, ZT02].

Tol02a, Wan02, WW00, ZRR00, APTJ +04, APP +07, AZC05, AT05a, AT08, AKLMP09, ACO09, AMS03, BAFL09, BES07, BP03, Bot06, BKLL04, BLM04, CT09, CG08, CMSZ09, CX08, CEH09, CSK05, CR09, CV08, DSM09a, DSM09b, De 04, DBF08, DK07, DKT+07, DET08, DBTM08, Dwi08, Edw06, EZ08a, FCD +06, FMR09, GPC07, GLM07, GV07, HBJ+08, HJ09, HWL08, HLO08, Her09, IX07, IX09, IDD04, JLO4a, JLT03, JLT06, JLO9, KDK +07, KLK08, Kok09, KS09, LSB04, LGP09, Lap03, LZT09, LYO9, LSSV07, LVV06b, LHGF04, LH08a, LMNK07, LJ06, LZH +07, MP07a, MS07, M207, MGS07, MCP03, MR07c, MT07b, NOG08b, NBLQ09, NP06, NX07, NGC +07, OK06a, OSK09. Volume [PL09b, PS04, PS08, PP04, PSG05, PL07, QM03, RJ06, Ros09, SE09, SJD05, SPM03, SSM04, SS06a, SL07b, Shy06, SMAj08, SC09b, SL06, SR09b, Sus03, TVRM03, TV07, TT04, TGB +07, Tor03, TA06, TAL09, VL07, VLI07, VGP09, VSW04, VSW06, WZL04, WL06, WLT08, WG09, WA08, WS06, XCR08, XLP05, XL09b, YS07c, YS08, ZKDT07, ZH04, ZZ09, ZLAC05, vZ06, Lab09]. Volume-finite [CCG08]. Volume-of-Fluid [AMSZ03, KFV +05, RRL01, RR02, SP00, AMS03, JLO4a, PP04, Sus03, TGB +07, YJL +06]. Volume-penalization [KDK +07]. Volume-preserving [QM03]. Volume/difference [WG09]. Volume/PDF [LM03a, LM01, MCP03]. Volumes [GW01, XMP07]. Volumetric [ZKL +07, KE09]. von-Kármán [YKG04]. VORPAL [NC04]. Vortex [BB04, Bbb02, Cor00, CKS00, CM0V02, CP04c, HRV08, KK00c, LK01, MD02, MKM09, Nie01, Niu01, PW00b, PW01, PWS +02, SC08b, WK01a, Al09, BS08a, CLB08, CWD08, CCM08, ECL02, Eld07, FDD09a, He05, HSC09, LG03a, LG09, MKMO4, NSC09, SJC09, SDT08, TB06, WG06, YSO07]. Vortex-dominated [TB06]. Vortex-in-Cell [CP04c, CWD08]. Vortex-induced [SZC09]. Vortex/Impulse [Cor00]. Vortical [DS01, LK07]. Vortices [DJ04]. Vorticity [BBR02, Cal02, Che00b, DC01, IK01, LFS07, MG0H00, MF00, QV01, Tol02a, Tol02b, AKH06, BBvdV06, CLO6a, DBS06, Eld08a, K009b, LL04a, LY04, Pon09, PGS08, WFC09]. Vorticity-Based [QV01, Eld08a]. Vorticity-Divergence [Tol02a, Tol02b]. Vorticity-preserving [LFS07]. Vorticity-Velocity [MF00, DBS06, WFC09]. Vries [CkM07, LGK06, LY06].

Waals [CL01a, GV02]. Wachspress [AC05]. wake [BC08]. wakefield [HDR +06]. walk [FG05, LLTA07, MS04, VSV03]. Wall [FG02, GGP06, BBW06, CP04c, FP08, GPG08, GE07, HPD09, IK07, KMD05, KIII09, KDK+07, KAS06, KB06, LQ06, MC06a, NTO07, PPDM08, SKWN03, SFMP06, SN08, Tuc03, MK02b, Rid00, RVVL09, Sum00]. wall-boundary [GE07]. Wall-Bounded [FG02, CP04c, FP08, GPG08, HPD09, MC06a, PPDM08, SFMP06]. Wall-driven [GGP06]. wall-function [KAS06]. wall-pressure [KII09]. walls [TX06, VHI05, ZTPM05]. Wang [Del03a]. WARP [GWF +07]. waste
Water [BC01, BST01, Che00a, FR02, Gir00, GHW02, Hor02, LBV00, LBV01, Lay02, LLIK01a, LLIK01b, Tol02a, Tol02b, TTSG01, VS02, Xu02b, ZCMI01, AB07, AB05b, BST03, BN04, BES07, BRC+09, BTTO8, BB09a, CVB06, CHL06a, CL08a, CGRGV+04, Che03, CX08, CLS09a, CZVS04, DJTT05, EKBL09, GPC07, Geo08, GPF03, GW05, GD05, HS09a, HC08, KJ09b, KLM05, LHD05, LGHD08, LS03, LHZW05, LKW05, LMNK07, Ma05, MY06a, Mea04, MGNB09, NI03, NPPN06, NXS07, ODAF06, RAD07, RB09a, SS03a, SHTB09, TOY09, VTT08, WTL08, XS05a, XG09, vdVX07].

Wave [AGH00, AGH02, BM01a, MO1a, BS06a, BZB00, CS01c, CSV00, DF00a, Dur00, ERT02, FT01, GF02, HHCL01, HK02, Kan02, LL00, LMSV00, LTD04, LAS01, LWEM00, LH05b, Noc00, Rei00, RTT01, Vay00, Vay01, VR02, Wee02, ZB07, APT09, AK07, At04, BN04, BP09, BPO07, BO09, BG05a, BG09, BS04d, CHL06a, CL08a, CPG04, CCJ07, CWL08, CHG07, CLS09a, CBI04, CFGK05, DNS08, DS09a, Edw06, EV03, FK09b, FCCK05, GS09a, GFS08, Gom08, GGOB04, GA09, HMOG08, HLS06, HPS+06b, Jan08, JW06, KF+04, KFGO6, KSH+06, KT06, KFV+05, Lau04, LPF07a, LZL03, LG03b, LG04, LS09, Ma05, MN06, MIH08, Pri07, PSG05, RBL04, Ros06, SDD07, SK05, Shy06, SD06, TET09, Ten03, Thu08a, TC07b, TC09b, VWW04, Vol04b, Wan04a, XG09, Yan09, YS09, ZH09, Zhe07, dHRvdB07].

wave-body [YS09]. wave-capturing [Edw06]. wave-current [SK05].

Wave-Propagation [BM01a, Noc00, MHI08, Shy06, Vol04b]. wavefield [BST03]. wavefields [BCR04]. waveform [CSMH05]. Wavefronts [RMO00, Che07]. wavefunctions [Boy04, NG06a]. Way [FR01b, BBD04, FH03]. Waveguide [CDHST08, TB00a, FCJ08a]. wavelength [VS07].

Wavenumber [KLK08, TK00, CC04]. Wavenumber-extended [KLK08]. Waves [BST01, Bia00, Boy02b, DF00a, Gua00, MN02, OB02, PC02, SC00, VC00, VP02, WPM02a, WC01, Wu02, AK06b, AM05, BAR08, BFJ03, BWLM09, BC070, Boy03, CF06a, CLMRP08, CS05, CDS04, Dur08, EV03, EKBL09, Fan08, FCT07, FG07, Gab07, GB08a, GN03, GP04, GS09d, HSO9a, JY08, Kas07, LY07b, LM08a, LTD07, LP04b, MY06a, MLFG06, NB04, SB06b, SM05, Tsy03, VS09, Wan05, XG09, YM07, Yan08, vdVX07].

Way [FT01, FSY00, SFY01, WK01a, CC08b, GS09a]. ways [BZ09]. Weak [AGP01, BMQS02, DF00a, HM02, KB01, PKvdB00, CP03a, HMM07, KT03].

Weakform [LNXTX09]. weakly [LMX+08, SE04]. weather [Lyn08, MS08b, SK08b, SW08c]. wedge [ODAF06]. weight [MBS03]. Weighted [AL01, Azm02, BS08a, BBK07, DZ00, MS01, SK08a, SM04, WC01, Yns06, BCCD08, CB07, HAP05, KLLJ09, LCW04, NF09, TWM07, ZSW03, ZWS06, ZJS08]. Weighted-Difference [Azm02]. Weighting [Ver01].

Weights [SHS02]. Well [BES07, BKLL04, LMNK07, NPPN06, Xu02b, AB05b, GPC07, ILL09, Mch04, NXS07, Rah04, RF06, WSYS09, XG05].

Well-Balanced [Xu02b, BES07, LMNK07, NPPN06, AB05b, GPC07,
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NXS07, RF06, WSYS09, XS06]. well-conditioned [ILL09]. well-posed [Meh04, Rah04]. wells [JL09]. Wendroff [LCS09]. WENO [Bal09, BRDM09, BK07, CVB06, Cap08a, Cap08b, CGMS03, CGMS06, CHB09, CS06, CS07d, CD07, CZVS04, GS06a, GR04, HP04b, HLY09, JD09, JC06b, KK05b, LSD07, LBL07, MTWW06, NJX08a, NXS07, Pir02, QS02, QS04, QS05, RLZ03, SHS02, SZS03, TT04, TB04, VS02, VCSZ04, XS05a, XS06, XS05c, XLS09a, YC09a, YC09b, ZJ09, ZQSD08, GSV09].

WENO-based [LBL07]. WENO-Boltzmann [CGMS06]. WENO-solver [CGMS03]. WENO-type [XLS09a]. wetting [Gla05, SHTB09, YZ07]. which [IG05]. whistlers [LJM+06]. Whitham [ZSWW03, Boy03]. Wide [FSY00, GST00]. Wide-Angle [FSY00]. wideband [CCG+06]. Wiener [HLRZ06, LNK04, LNK04, MT04]. Wiener-type [LNGK04]. WIGGLE [LPK05]. Wigner [KLW09, RRC05]. Wind [STiST02, SSW+07]. windowed [SZLW06]. windowing [SAK05]. Winds [LR01b]. Wire [BISS01, DDF01, LWW04]. Wire-Plate [BISS01, LWW04]. Wise [YL01, CBH03, RLZ03]. within [AKV00, A09, Bae03, FCD+06, KG08, SS07a]. without [ABRR09a, ABRR09b, BIVC07, Edw06, Giv01, JP03, Kas07, KDC05, Li08a, Mon00, SJ02, TB00b, YGL05, ZSW07]. WKB [BP06, GM06]. Woollings [TR07]. Work [Mac00, LC06b]. Worst [PWW00].

X [RR07]. X-ray [RR07]. XTOR [LL08b].

Yee [LW01, MT01, TE08].


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