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Title word cross-reference

$(1 + 1)$ [HPA14a]. (k) [NS11a]. 0 [MVCFM13]. 1
[BGR11, BCL13, DK14, FNGV14, GM10a, HvB11, MMR12, MZB12,
MMT14, MHGNM12, MGN14b, Ols12, RCQL11, UJ11, ZMD$^+$11, vTCL$^+$10].
$1 + 1$ [DBAV14]. 100 [YM14]. 12 [KM14b]. 2
[AW14, AH10b, BBAP14, BCL14, BSS11, BHM14, BLY10, CK11, Cha14,
CL11a, CLAL14, Del11, DFD14, DCL11, GW13b, GC11, GHM14, HBM13,
HLW13, Hu13, JMGN13, KBS14, LVFK14, LT12, LS13d, MAPP13, MMR12,
MDTC13, MHHGN14, MV13, MBGW13, MLGN12, Ols12, SY12a, SCH13b,
SM12c, SAA14, TR14, TGGT13, UWB12, WR11, YCY11, Zha10a, ZOWZ10].
2.5 [KL12a, MBMV13]. 3
[AST13, ABMT14, BLM$^+$14, BWC11, BS14a, BGHM13, BLJ11, BD14b,
CP14, CCW12, CC12, CH14, CGF$^+$13, DDL13, FBM14, FW12, FCG10,
FGLB14, GW13b, Ge10, GCZ13, GMC13, GD10, GL12a, GLC$^+$11, GKS$^+$11,
HRT11, HLYS11, JM10, KVM12, KKS13, LH10a, LP13a, LTSH10, LEH12,
LLP14, LMBB11, LDA10, LL10b, LZZR10, MMM11, MVCFM13, MF13,

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7th [Ler14]. **7th-order** [Ler14].

9347-9372 [NHT⁺13].

ab-initio [SD14a]. **Absorbing**
[ALS⁺14, HGRB14, SG10b, SG10a, ZW10b, AMP14, BDT10, GD10,
MBL⁺14, RVbZ10, RCCC14, SG12a, SG12b, XS13, ZT13a, BGH10].
absorption [Den11b, FJ12, SCS14]. **AC** [HDD14, KBSV14]. **accelerate**
[Yao14]. **Accelerated** [Hut14, KG12b, SCGE13, VDP11, VBSK10, WP14,
BD14a, FTF14, GK13, GLC⁺11, GD13, IFD⁺12, KSP13, MdVBS13, NVS13,
PPB14, QA11, RCQL11, RBCK10, SBB13, STC10b, Tak14, WK13b, Fat10].
Accelerating [JLS⁺14, KSS14, NS14a, ZVNM10, ARR13, SS13a].
Acceleration [KSPP10, YM14, CFW⁺13, EMSH14, FWP13, FWLP14,
HNMM10, PMMB14, TR14, WPK14, YXD⁺14, WTK14]. **accelerator**
[CBCM⁺11, LCNK10]. **accelerators** [TAAY14, VGCMG11].
accommodation [LH13]. **Accuracies** [XL11]. **Accuracy**
[DB13, JCT11, LTC14, MZ11d, SK12a, BK11, BS14a, BSS14, BKV12,
CFKL11, CJP⁺14, CBGK13, CR14, DMP14, GHS13, GH10, GWCA14, HZ14,
Ide12, KS11b, KG11, KM14b, LB12, LP14a, LT11b, LS13d, MB10a, Nic10,
SRSV11, Wal13, YWL14, PZW14]. **Accurate**
[BR12a, CF11b, GRS14, LL12a, MC12, MJ13a, MGN14b, SG12a, SG12b,
SCC14, ZYHW13, AN13, BDA12, Boy11, Bre12b, CY12, DLC11, DKC14,
DV14, GM12a, GM10b, GHM14, GH11b, GL12b, GVV13, HOK10, HK11,
HF10, KS13a, Le 14b, Lee13, LKLG14, LdWF12, LT10b, LN10b, LLP10,
MF14, MB12, MCA⁺13, MH10, ML13, MB10b, NMZC13, NDBG14, NPV14,
NT14, Per13, RE13, RWMG11, RMMD14, SHMS13, Sco12, Shu14, SBB10,
Son11, SdAW14, WBC13, WYT14, XW14, YS13, ZK14, ZF14]. **Accurately**
[Liu11a]. **ACE** [VBSK10]. **acetylcholinesterase** [Ham10]. **achieve** [VSK10].
acid [EHA14]. **Acoustic**
[Lee12b, WdHX10, AH13a, CLG13, CVI⁺13, FT11, FvdB12, GB14, GH11a,
HVD13, HW10, KGG10, KNR11, LS13d, LM14b, MKB⁺12, SM11b, WSBG10].
acoustics [KVM12, MBD13, NPC11a]. **acquired** [PMM⁺11]. **across**
[GGH14]. **action** [Wan11a, Wan13a]. **activation** [RJC13]. **active**
[ASGW11, MdVBS13]. **Ad** [Ano12-32, BL10, LB10]. **adaptation**
[ABD14, BDA12, CXLC12, Del11, FL11a, HKL10, KF13a, KK10b, LH10c,
LDA10, MM10, MVG⁺12, TG14b, YD12]. **adapted** [DO11b, HRBK10].
Adapting [KSB12, EAN11]. **adaption** [CSB14]. **Adaptive**
[AHOT14, ABK13, BLOdV14, BCK11, BUH11, BS11b, CMG⁺13, CJN⁺13,
DO11a, DMMGM14, HJ11, HZ11a, HHA14, KMHJ10, LTCN13, Lee14b,
LLYE12a, MAPP13, MMD⁺11, RVFK14, SR13b, SQC11, SYL12, SK12b,
TvdHS⁺12, WG11, YCLK12, YMLM⁺14, ZHS10, AL10, AS14, Atz10,
BHL12a, BDMP13, BBGP13, BK12b, BDLGC13, BBPC14, CN12, CVN13,
CL10, CNR10, CGG12, CF10, CXZ10, CY14, CEL14, CKR14, Cou11,
DMHL14, DDF14, DV13b, DZHB13, EQYF13, ETW10, FHL10, Fuj11, GG10,

GM14a, HLT10a, HHL11, HG11, HLDP14, HHK13, HB13, HL12b, HWA10,
Hu13, ID10, IDNG13, IG14, JU10, JAX11, JLY10, JHF10, JLC14, JK10,
JG13, KVM12, KWSJ11, KMvM$^+$12, KA12, KG14, KSD12, KL12b, KL12c,
LSM14, Lap11, LBT11, LHY13, LZ13, LLZ14, LX14, LN10c, MZ10, MS14b,
MZ11c, Min13, MTG11, MG14b, MN14]. **adaptive**
[MIKG12, MNL$^+$13, MJ13b, MBGW13, Mur10, OS12, PZW14, PZG14,
PHRG13, PMM$^+$11, PRA13, PGLK14, PB13b, PWB$^+$14, Phi14, PHSA14,
Qua11, RSS12, RE13, RWX11, RXLS14, RPA13, RS10b, SSHM10, SSB$^+$12,
SFWP10, SWR11, SD14c, TE14, TA12, TDVG13, TAAY14, TBR13, UKP14,
VRB10, Wan11a, Wan10, WR11, WS11, YLW10, YJK12, ZMQ13, ZN14a,
ZN14b, ZDSP11, VV13, NT14]. **adaptive-resolution** [RSS12]. **Adaptively**
[XZWW12]. **Adaptivity**
[CHZ13b, AM12, DH10, DFVY14, DBM$^+$12, GBB$^+$13]. **added** [LJG14].
added-mass [LJG14]. **addition** [Far11]. **additive** [HJZ14, HWHW10].
ADE [FL13]. **ADER** [BD14b, BBD14, BMD$^+$13, BK14b, CTJT13, DZHB13,
MMT14, MT14a, NF12, Nor13, Nor14]. **ADER-DT** [Nor14]. **ADER-Taylor**
[NF12]. **ADER-WENO** [DZHB13]. **adhesion** [GWG14, RUL$^+$13]. **ADI**
[BdF10, FF12, KAA12, SY11c, SN13b, ZFH14, Zha14]. **adiabatic** [BKH12].
Adjoint [CJNS12, HHL11, HLSO13, IWG13, KJC13, SR13d, ZPGO10, AS14,
BSCML13, BW14, DRB14, GHM13, SBS11, SM10, VS14, Wan13b, YDN10,
dPSS12]. **Adjoint-based** [HHL11, IWG13, VS14, YDN10]. **adjustable**
[DGAH10]. **adjustable-damping** [DGAH10]. **adjusting** [Bal12a]. **admits**
[ZA14]. **adsorption** [FCH13]. **Advanced** [SJB11]. **Advances** [LMLC12].
advancing [RSD10]. **Advection**
[Dai13, AV13, Ald10, BR14, CD13b, DF10a, HAQ12, JW11, JZ13, KKAS12,
KLMJ12, KWJR14, KJWR14, LN10a, LGP10, LSV10, MKGV12, MMP11,
MMA11, MMA13, MT14a, NRS10, Nis10, Nis14b, QS11a, RSS12, Sou14,
TLG10, WSYS12, WYS12b, WCVJ13, ZOL$^+$11, vdVR12a, vdVR12b].
advection-diffusion
[KKAS12, LN10a, LSV10, MKGV12, Nis14b, RSS12, WCVJ13].
advection-diffusion-reaction [JZ13, MT14a]. **advection-dispersion**
[CD13b, JW11, MMP11]. **advection-dominated** [TLG10].
advection-electrodiffusion [LGP10]. **advection-propagation** [Ald10].
advective [LDE$^+$13, SM12a, SM12b, VTTK13]. **advective-reactive**
[VTTK13]. **AEGIS** [ZKV10]. **aero** [Whi10]. **aero-optics** [Whi10].
aeroacoustics [CR14, Fal13, KKS13, SK13, XS11, LLH10]. **aerodynamic**
[KWS$^+$11, Lan14, LH10b, RWMG11, ZPGO10]. **aeroelasticity** [DYYA14].
affinity [JJM13]. **Affordable** [MT13]. **after** [GSTB13]. **against**
[GMXG14, OAXL13]. **agent** [JJM13]. **Agglomeration** [Lan14, BBC$^+$12].
aggregate [BRS13]. **aggregation** [OS11a]. **air**
[BCD14, CKS14, KED$^+$12, Nag14a, Nag14b]. **air-water** [BCD14]. **air/water**
[CKS14]. **aircraft** [JWNL11]. **airfoil** [BBD11, DYYA14, JM12]. **al** [Dad12].
ALADINS [VV13]. **ALDM** [HAD10]. **ALE**
[BKC$^+$11, FL14, GMB10, JLZ13, KPH13, KGSS10, LMQ$^+$11, MSB14,

[XMDG13, XMDG14]. **analytic** [DDL13, LW13b, RBNS13, TR12, WLW14].
Analytical [JR14, CC13, CSKP10, DFD14, GVH14, LVFK14, PBB14, XX13].
analytical-based [CSKP10]. **analyze** [HDPF11]. **analyzing** [HVD13].
anastomosis [GDY10]. **anatomic** [LS13a]. **Anderson** [WTK14]. **aneurysm**
[GFK13]. **angle** [BS11b, DL10c, Gon12]. **angular** [BM10a]. **animated**
[LS13a]. **Anisotropic** [MVG⁺12, ABD14, AT13a, BWC11, BGH10, BDA12,
CdCNH14, Cha14, Cou11, CJN⁺13, DLNN12, EZ10, GH14, GW13b, HKL10,
JS13b, LH10b, LH10c, LDA10, LHV13, MB12, MMP11, MTSG12, MN12,
MBL⁺14, OJ11, OK10, SS11, SG10b, SG10a, SG12a, SG12b, SH11, WBC13,
WGD12, WG14, YD12, YN10, YB14, vEKdB14]. **Anisotropy**
[LLMY14, MB13b, RR14, SG12a, SG12b, SRSV11]. **anisotropy-free** [RR14].
annihilation [SR13a]. **annular** [KTT12, Mit13]. **anomalies**
[BD14c, OAXL13]. **anomalous** [MAD13, WV14]. **ANOVA**
[LLZ14, YCLK12]. **ANOVA-based** [LLZ14]. **antenna** [ZLL10]. **Anti**
[SHA11, SHA12, KL10b]. **Anti-diffusion** [SHA11, SHA12]. **anti-diffusive**
[KL10b]. **any** [GPS10]. **aortic** [LS13a]. **aperiodic** [PMSM12, PS14b].
apertures [BL13]. **applicability** [HGSK⁺13]. **applicable** [Sen13].
Application [AC11, Bal10, Bal12b, Bal14, BDLGC13, CYK⁺14, CTP13,
CRS14, CZ11a, FGE11, GH12a, GP12a, GK10, Ham10, KBRM12, KWS⁺11,
KMA13, KBGRM10, Kol11, KL14b, LHH14, MS10b, Mar10b, MPWK13,
MM12, MRS14b, MHGNM12, MGN10b, MGN12b, NHE14, NMZC13, PPS12,
RTS13, SdAW14, TDVG13, Val14, VS11, VBCM10, ZYLK13, BDA14, BC10a,
BG10, BDTW10, CFCA13a, CFCA13b, CL14b, CAH14, CDLL12, GLSC12,
GJ14a, GKG⁺13, Hen13, HHL14, ISZ12, JLY10, KKS13, KST13, KKvZB14,
KG14, LYE10, LTSH10, LH14a, LG14, LHV13, MJ13b, OBNN13, OBNN14,
OD14, PRH⁺14, PL12, QS11b, SSS11, SF14, VDD10a, WC14b, ZFJ11,
ZTL13, DFNNRdlA14, MGN14b, TVEC12, VSC⁺11]. **Applications**
[BZ12, LRK11, ASGW11, AH13b, BGN10, BW13, BCW13, CMO14, CS12b,
CZ13, DDF14, DMT⁺11, DMM⁺13, DMR14, hGzSwZ14, GCBH10, GKN⁺11,
JMW12, JKQ13, KL14a, KIG11, LGG⁺13, MGN12a, NIN⁺14, NB13, OM12,
QL11, SS12, SLH⁺11, SST10, TDL⁺14, WZ10, XQX13, YS12b, ZLH12,
CCFCM11, FR13]. **applied** [AAI10, BLOdV14, BDKV14, BJ12, CFW⁺13,
CRT10, CG13b, Del10, DOR10, DG12, EWH14, FH11, FY13, GVV13,
KKC⁺13, Lan14, LVFK14, LLS11, LL10b, NLGL14, NDBG14, NKF14,
NVS13, SK12a, Stu10, TD12b, VWF13, VG14, WR11, ZHW10]. **Applying**
[KS11c, PSL20]. **Approach** [TK12, TK15, AC13, ABL⁺11, ABMT12,
ACB⁺13, BDL11, BFR13, BW13, BPS14, BR11, BCL14, BCL⁺11, Boo11,
CGC13, CMS10a, CGG12, CP14, CHKT13, CPX13, CW14a, CKR14, CST10,
CRS12, Don14b, DL10b, EBGW13, ETW10, FM13, FLM12, FMT11b,
GLLP14, GPCE13, GCE14, GZQ13, GMXG14, HD13, HMHO13, IAM⁺12,
JEX10, JYHT10, KKL10, KBTD12, KKvZB14, KMA13, Leu11, LWF11,
LM13, LHPH11, LGH10b, MB13a, MCD14a, MVS13, MP13, Mön13,
MKB⁺13, MLBK14, MN14, NTV14, Nis10, OK14, OLPM14, PHRG13,
PGLT10, PRA13, PHD14, PB13b, dlLPC10, QA11, RUL⁺13, RWX11,

RKGM14, RTKS10, RDHK12, SBC⁺14, SSB13, Sam14, SMF⁺13, SCIE14, Sco12, SD14b, SAHS14, SX14, ST11a, SGV13, SIT⁺11, TGO13, Vai14, WZ13, WLW13a, YVL⁺11, YKWS13a, YKWS13b, ZT13a, ZF12, ZCD10, ZJT10].
approaches [KMvM⁺12, LCY11, ZL10]. **Approximate** [Abr10, EAG14, MS11, PR14a, hGzSwZ14, NGV14, Ren11, Rie11, SGL14, UN13].
Approximated [GL14]. **Approximating** [RSS10]. **Approximation** [ABPSM11, BGK12, Chi12, CH11a, Gra14, PBC11b, RPA13, AHA10b, AR14, AM12, Alm14, APC11, BGGGS11, BCP13, BHBM10, DDS12, DST14, DO11b, FP12, hGzS13, GHDS10, GS11a, Hua14, KL12a, KL14a, Kaz10, Lee14b, LRBT14, LLP10, ML14b, RGK12, RK14, SBN12, SCC14, SBO11, TR11, VP10, WMI10, Whi10, WK14, Wol12, YR13, ZN10, ZK13, ZL10, Zho14b, vHtTBC11].
approximations [AKP⁺12, AC11, BS14b, BWMG14, Boy11, BHY14, EZ10, Gri12a, HW11, Hig13, HLYS11, JTXZ12, KDS14, KAFB11, KJ11, MDTC11, Mat14, MK11, Pir10, Pir11, VTTK13, ZT10a]. **APU** [CRK12]. **aquarium** [Nag14a, Nag14b]. **aqueous** [DXB⁺13]. **Arbitrarily** [GCH14, MTD14, NS11a, RTKS10, Zha10b]. **arbitrarily-oriented** [MTD14]. **arbitrarily-structured** [RTKS10]. **Arbitrary** [DSZ13, GT12, GIQ11, KS14, LX12, OS14, ARR11, AEM13, BHS14c, BBG⁺11, BR12a, BRSS11, BWMG14, CR13, DvW14, DFD14, ES13a, FK14, GW13b, GPY14, GH12a, GT11, HZS12, KBS14, KTT13, KS12, LK14, Li13, LS13c, LS10b, LSVW10, LS13d, LMS⁺10, LLN⁺10, MBMV13, MVS13, MGN14a, MGN14b, OS11b, Par12b, Pir12, RVB10, STC10a, SdAW14, TTD11, TAD14, TR14, VMS12, Wan10, WYC13, ZS14, ZJL⁺14, BD14b].
arbitrary-geometry [GPY14]. **arbitrary-Lagrangian** [LMS⁺10, BD14b].
Arc [KYP⁺14]. **architectures** [HRBK10]. **area** [KG12a]. **argon** [KM14b].
arising [CHHL11, HY10, JHDC10, TCW⁺10]. **arithmetic** [FMT11b]. **ARM** [GKG⁺13]. **ARM-based** [GKG⁺13]. **Arnoldi** [CHHL11]. **Arnoldi-type** [CHHL11]. **Array** [WZN14, KNR11]. **Array-representation** [WZN14].
arrays [Hel11a]. **arterial** [ADSF13, LL14a, XHF13]. **Artificial** [BHY14, OA10, TE11, Vai11, AOCR12, BD10a, Coo13, Deg11, hGzSnZ12, HZ11a, KSL10, Kaw13, KL12c, LS10b, OAKR14, OL13, RSS13, VW14a, Vre11, Wen10]. **ash** [MPS⁺14]. **aspect** [BLR13b]. **aspects** [FJ12, Kwo14].
Asselin [LT14]. **assemblies** [LZC⁺13]. **assembly** [KA13, RS14a, WT12a].
Assessment [JLB⁺10, KSL10, MWRZ13, SOG14a]. **assignment** [GRT12].
Assimilating [BH13c]. **assimilation** [CS14c, GLS10, GCLS11, GHM13, Kaz10, NMX12, QA11]. **assimilations** [ACCM12]. **associated** [And10, SP11]. **Association** [AM13]. **AstroBEAR** [CNSFD13]. **AstroGK** [NHT⁺13, NHT⁺10]. **Astrophysical** [NHT⁺10, NHT⁺13, KSB14]. **astrophysics** [KHHK12]. **Asymptotic** [Boy11, CDK12, CLS13, Den11b, GJLY13, MN12, OA10, OLFS13, AC11, BCM12, BS10a, CdCNH14, DLNN12, DMR14, FJ10, JY11, Mie13, OK14, RLJ14, VBGM13, WLW13a, WW14, CM13, CLM13, DDN⁺10].
Asymptotic-numerical [CLS13]. **Asymptotic-Preserving** [CDK12, GJLY13, MN12, CdCNH14, DLNN12, FJ10, JY11, RLJ14, DDN⁺10].

Asynchronous [DA14, MK14a, OK12, SK13, Unf13]. **atmosphere** [IBO14].
atmospheres [FMM⁺10]. **Atmospheric** [HMOH11, CP13b, KED⁺12,
KL12a, KG12a, KG14, KSD12, LA10, NMZC13, NMCZ14, NNS11, OBNN13,
OBNN14, SSW13, SKW14, Ste14, UJ12, YMLM⁺14]. **atom** [MMM11].
atomic [KJC13, MPPP12b, MPPP12a, RJC13]. **Atomistic**
[GWK10, BLR13a, Gri12b, KMHJ10, ZJT10]. **atoms**
[Ich13, JLS⁺14, JMKK12, SSR14]. **attenuation** [BCL14]. **Augmented**
[Ion13, MGN12a, SKCC10, SP14b, VSC⁺11, BHK⁺10, BV14, LDM14, NRS10].
AUSM [KS13a]. **AUSM-family** [KS13a]. **Automated** [DRB14, Sog14b].
Automatic [Dri10, GBC11, PB13b, ABJ⁺12, DMR14, Kau10]. **Auxiliary**
[SKN13a]. **avalanches** [FNGV14]. **Average** [CGM⁺12]. **average/point**
[XIIX14]. **averaged** [HAH14, SH14, YK12]. **averages** [Gil13, KSS14].
averaging [LM13, ECD14]. **avoiding** [HP13, Nor14]. **aware** [BHS14c]. **axi**
[NCKN10]. **axi-symmetric** [NCKN10]. **Axial** [JK11, LK14]. **axially** [HK14].
Axisymmetric [BLA⁺14, MA14, AW14, CMS10a, CRT10, DFD14, FGLB14,
HKL14, HHL14, SSB13, ZKV10, ZGSZ10]. **azimuthal** [BdCB11].

B [BSV14, EH13]. **B-spline** [BSV14]. **B-splines** [EH13]. **back** [YZ12].
backflow [BC14]. **backgrounds** [FvdB12]. **backward**
[LP13a, LQ10a, WZG⁺13]. **backward-facing** [WZG⁺13]. **Bad** [MMP11].
Baer [FP12, PZTW12, TT10]. **bag** [CB13]. **balance** [BKW10, CLS13,
GGG⁺13, LPE⁺11, MAK14, MGN13, PWK11, Tok11a, VWF13]. **balanced**
[BF12, CF10, DLGP13, DLM13b, DLM13c, FMT11a, FMM⁺10, KM14a,
LGLX14, MW14a, MPT13, MGN14b, TR12, WYS⁺11, Xin14, Yok14,
DMMGM14]. **balanced-force** [MW14a]. **band**
[And13, BG10, BS14b, LDM14]. **band-limited** [BS14b]. **Bandgap**
[MNF⁺10, HCH⁺10]. **bands** [BSS11]. **bar** [JXD14, RG12]. **barrier**
[RJC13, Tok10]. **base** [MRS14b, VMS12]. **Based**
[ABH⁺14, ARR11, ARR13, AL10, AHOT14, AS12, BK12a, BCZ13, BD10a,
BOD11, BBC⁺12, BNM14, BWC13, BMK11, BMK12, BA10, BN14a,
BERB⁺12, BYCC14, BHK⁺10, BS11b, BRSS11, BRS13, BRP14, BBD14,
BGBR12, BDKV14, BCW13, CCKCG10, CNR11, CDF11, CK10, CM14,
CXZ10, CP10, CBW10, CLZ12, CCL⁺14, CLSX14, CY14, CHHS11,
CGMQ14, CGS13, CKR14, CSKP10, CDS13, Cou11, Dad12, DV13b,
DLNN12, Del11, DLC11, Den11a, DP12, DFD14, DKR12, DS11, DCL11,
DLM13b, EH14, EH15, EL11, FGZ12, FGR12, FL13, FH11, FL11a, GDHM11,
GC11, GG14, GL13, GKG⁺13, GBB⁺13, GBS⁺14, GCL13, GHM13, GTSC14,
GZQ13, HHS⁺13, HPS13, HHL11, HBAP10, HK14, HHGC14, HMM⁺10,
HLSO13, HHK13, HH12b, HH13, HLZ14, HM13, HKL10, HMOH11, IAM⁺12,
ISZ12, IWG13, ITO⁺10, JJM13, JTH10, JSX10, JWYH10]. **based**
[KS11a, KF13a, KIF⁺14, KKO13, KO12, LEM11, LGC13, LQ10a, LLZ11,
sLwG10, LLX11b, LJ13a, LLZ14, LXSR12, LT11b, LSVW10, LS13d, LBM14,
LMQ⁺11, LMS⁺10, LL12b, LL14b, LXL⁺12, LXS⁺13, MDTC13, MS14a,
MT13, MSD12, MYM12, MBD13, Mön13, MF13, MMJ14, MGN10a, NTV14,

NN12, OBT12, OK13, Par10, PBM11, PB13b, Per13, PT12, dlLPC10, RV10,
RH13, RWX11, Ren11, RRCD14, SSS11, SP14a, SQC11, SS10c, SCB10,
Soa13, SK12b, SGL14, sSLxRyZ14, SEBG12, SS10e, Tak14, TNK10, TD11a,
UKP14, UGkM13, VBVD10, VB13, VS14, VWPF11, VWF13, VBSK10,
Vol14, WZ14, WZ11, WLL13, WT13, WX14, WK13b, WZ10, WC14b, WG14,
XZWW12, XS15, XPO14, XW10, XX13, YMS12, YDN10, YSW$^+$13, YF14,
YSW14, YD12, YCH$^+$13, Yok13, YL14b, YYB12, ZVNM10, ZHPS11, ZHS10,
ZGSZ10, ZD11b, ZMD14]. **based** [ZLL10, ZL13, vydCNS$^+$10, WP14]. **bases**
[KL14a]. **Basic** [YS11a, ZWL$^+$12a, BL10]. **Basics** [DL13a, CMO14]. **basin**
[LMQ$^+$11]. **Basis**
[MPR12, TG14b, AB12, AHOT14, BFE12, Boy10, BY11, Boy11, BX12,
CXLF14, CST10, EGW11, FHMS11, FL10, GHS12, HBM13, HHGC14,
LH10a, LB14, LLYE12a, LLYE12b, NB14, PGLK14, PSDF13, Pir12, PH13,
RA10a, RPA13, Sal14, ST13, SPM$^+$13, TCL11, ZBS12a, ZBS12b, ZD11b].
Basset [vHtTBC11]. **bathymetries** [RF14a]. **Bayesian**
[AGS10, BZKL13, BH13c, ECDB14, ECD14, EM12, EWH14, HM13, JZ10,
Jin12, KL14a, LMM14, RLPM12, Val14]. **BCYCLIC** [HPLS10]. **BDF**
[Don10]. **BDF-like** [Don10]. **BDF2** [EMK11]. **beach** [OBT12]. **beam**
[AAI10, AETT11, BLQ14, GV13, JWYH10, Whi10]. **beams**
[BM10a, LQ10a, Lip12, MdVBS13, QY10, WS14]. **bed**
[CVC12, MGN10a, RB10, RB13]. **Behavior**
[SYL10, MMP11, YKWS13a, YKWS13b]. **behaviour** [Ain14]. **belief** [CZ13].
BEM [CES14]. **BEM-FEM** [CES14]. **benchmark** [VCS14, BLM$^+$14].
Benchmarks [TSL$^+$14]. **bending** [FLM12, iT14]. **Benjamin** [BX12].
Bessel [BY11]. **between**
[BHM11, BWC11, BCLR10, Deg11, FQV13, GKF11, GDGP11, KL10b,
MDM$^+$12, MBGW13, Nag14a, Nag14b, Rem11, Rie10, SM12c, iT14, ZTG$^+$13].
Beyond [KVBP$^+$14, LE12]. **beyonds** [ARF12]. **BGK**
[CL10, DL13a, DMR14, PP12, RHXQ14, XX13]. **BGK/hydrodynamics**
[CL10]. **Bhatnagar** [MWRZ13]. **Bhatnagar-Gross-Krook** [MWRZ13]. **bi**
[CHZ13b, CHZ13a, CSK14, DB12, HT10a, NB14]. **bi-harmonic** [NB14].
bi-Maxwellian [HT10a]. **bi-orthogonal** [CHZ13b, CHZ13a, CSK14].
bi-periodic [DB12]. **biased** [SST10]. **biasing** [BK12b]. **bicharacteristic**
[DLM13b]. **bicharacteristic-based** [DLM13b]. **bidirectional** [KKC$^+$13].
bidomain [CEK14, Pie12]. **BIE** [HVD13]. **bifurcation** [GBC11, WIJ13].
bifurcations [CM13]. **biharmonic** [JRTY11, JKQ13]. **bilayer** [SBA13].
Billion [MMM11, ARF12]. **Billion-atom** [MMM11]. **bimolecular** [NMV13].
bimolecular-reactive [NMV13]. **Binary**
[HH12b, HH13, CDS13, GZZ14, PBC$^+$11a, Sza12]. **biological**
[GK10, TDL$^+$14]. **bioluminescence** [HQL$^+$10]. **biomechanics** [KVC$^+$13].
biomembranes [BNP10, ES10, LSM14, PRA13, RPA13]. **biomolecular**
[LHMZ10, WRH10, Xie14a]. **biomolecules** [GK13]. **biopolymer**
[CMBW13]. **biorthogonal** [dlLPCP12]. **Biot** [BCL13, FCG10]. **blended**
[WA12]. **blending** [SGL14]. **Bloch** [ÁCB12, JWYH10, NLGL14]. **Block**

[BMP14, Fat10, He13, HB13, CST12, Gao13, HPLS10, MA13, PJCS14, SSS10, SY11c, Zho10]. **Block-spectral** [He13]. **Block-structured** [HB13]. **blood** [BC10a, BCG⁺13, MMT14, MPT13, WC14b, ZZK⁺14, ZIOF10]. **BlueGene** [ARF12]. **BlueGene/P** [ARF12]. **bluff** [RBCK10]. **blunt** [NHE14]. **Board** [Ano12f, Ano12g, Ano12h, Ano10b, Ano10c, Ano10d, Ano10e, Ano10f, Ano10g, Ano10h, Ano10i, Ano10j, Ano10k, Ano10l, Ano10m, Ano10n, Ano10o, Ano10p, Ano10q, Ano10r, Ano10s, Ano10t, Ano10u, Ano10v, Ano10w, Ano10x, Ano10y, Ano11c, Ano11d, Ano11e, Ano11f, Ano11g, Ano11h, Ano11i, Ano11j, Ano11k, Ano11l, Ano11m, Ano11n, Ano11o, Ano11p, Ano11q, Ano11r, Ano11s, Ano11t, Ano11u, Ano11v, Ano11w, Ano11x, Ano11y, Ano11z, Ano12b, Ano12c, Ano12d, Ano12e, Ano12i, Ano12j, Ano12k, Ano12l, Ano12m, Ano12n, Ano13i, Ano13j, Ano13k, Ano13l, Ano14-34]. **bodies** [BHS13, BBGP13, BD12, BM11, De 10, MCA⁺13, Mel11]. **body** [BGZ12, CDSP13, HSWZ13, HCS11, LKCY11, LY13a, MDM⁺12, PB13b, RBCK10, SD14a, SCGE13, TPA⁺13, WYYK10, WY11, XHF13, YL11]. **boiling** [TSL⁺14]. **Boltzmann** [FRP14, MVS13, dv23, AJ14, BSDM12, CL10, CRS14, CLZ12, CHKT13, CGR11, CL13, CSB14, CLAL14, DD12, Del13, Del14, FY13, FSL10, GH14, GK13, GG14, GBB⁺13, Gra14, GWCA14, HE14, HG11, HvB11, HW14a, HHL14, HW14b, HCM10, IF10, JNSA12, JYHT10, KH13, KMA13, LMLC12, LRT13, LL10a, LMK13, LP14a, LZC⁺13, LZV12, LVZK14, MD13, MMR12, MB10a, MS10b, MS11, MS14a, Mel11, MZ11d, MZ14, ML11b, MTG11, MM11, MVG11, MHGM14, NSA11, PPB14, Pri14, RK14, RLJ14, RJG10, SMP⁺13, SHFB12, SSC13, SSX13, SS14a, TLZ⁺11, TRL14, VS11, VMS11, VMS12, VS14, VM10, WK10, WZG⁺13, WZT⁺14, WC11, WS10c, WS11, WWS⁺13a, Xie14a, XS13, XM14, YYY⁺14, YZ12, YN10, YN14, ZGSZ10, Zho14a, ZF14, vTCL⁺10]. **Boltzmann-Immersed** [FRP14]. **bond** [NWLS12]. **bone** [AKL⁺13, SR13b]. **boom** [AL10]. **boosted** [VGCMG11, YXD⁺14]. **BOR** [TD11a]. **Borehole** [PMM⁺11]. **Boris** [TAAY14]. **Bose** [AD14, BCW10, BCZ13, CCW11, CCC12, DH10, FT12, JCC14, LZZC14, MTZ14, ST13, Wan11b, Wan14, WC14a]. **boson** [BD11a]. **bounce** [YZ12]. **bounce-back** [YZ12]. **bound** [AM12, MB13b, VKL⁺13]. **boundaries** [BWC13, BUH11, CN10, GPY14, Gri13, GT11, JKR14, MGLS12, MK12, MHHGN14, NS14b, SS10a, UGF14, YS11a, YS11b, ZN14a]. **Boundary** [ABH⁺14, BB12a, BGH10, CF11a, CEK14, CTG12, CG12, FCYF11, FCY13, LMK13, MK12, SVK14, WY11, ABD14, AV10, AHA12, AMP14, AST13, ALS⁺14, ADSF13, AKMD14, BF14, BN11, BN13, BN14a, BS10a, BR10b, BRS10, Bre12b, BHY14, CKS14, CCFCM11, CT10, CT13, CHC11, CFKL11, CB10, CLS10, CVI⁺13, CGC⁺12, CCG11, DDF14, DK14, DP12, Don14b, DKC14, Du11b, DGF14, DWZ10, EO11, ES13a, FDHP11, FL14, FY13, FCN⁺13, hGzSnZ12, GCA13, GW11, Gen13, GK13, GHM14, GGH14, GS11b, GH10, HPA14a, HZ11a, HKM12, HG11, HLW13, HL12b, HDD14, HF11, HDPF11, HKL14, HCS11, HCS12, HW14a, HF10, IF10, JYHT10, JMW12, JC10, JCT11, JLC14, JM10, Kau10, KS11c, KSR⁺14, KF12, KJ11, KT14,

Coarse-grained [ALGB⁺13, ZKKF10, LG14, PA14, ZZK⁺14].
coarse-graining [Ich13]. **coarse-grid** [SS13a]. **coarsening** [NT14]. **coastal**
[TQW14]. **coated** [KL11b]. **cochlear** [BS11a, SBWF14]. **Code** [BHL12b,
BHB11, BGZ12, CDSP13, GLB⁺11, IH13, JNW⁺14, KSB14, Lap11, MA14,
NHT⁺10, NHT⁺13, TGT⁺10, TP14, TBNT11, YXD⁺14, YS12b, ZKV10].
code-independent [IH13]. **codes** [CCMG⁺13, GV14, HT14, IH13, KGKS13].
coefficient [DS12, HWW10, MGJZ10, Mar13, ZT10b]. **coefficients**
[AGS10, CCG11, DV13a, GKN⁺11, GP13, HPV13, OK14, PBC⁺11a,
SKCC10, XZWW12]. **coexistence** [LC13]. **Coherent**
[MVG⁺12, AMDR10, NRS10, YL14a, RS10b]. **cold** [TD12a]. **Collaborating**
[XDZ⁺14]. **collective** [LJ13a]. **Collision** [HH12b, HH13, HCS⁺10, KM14b,
KWH10, KS13b, LH13, LHK12, MZ14, PG11, WMK13]. **collisional**
[HT14, LWF11]. **collisionless** [AHS14]. **collisions** [AiINT14, BP13a, CDS13,
DCC⁺13, GH14, HT10a, IAM⁺12, LE13, RRCD14, RRD⁺14, SSX13].
collocated [RP13, TLO⁺14]. **collocation**
[AA13, BdF10, CN12, CCC12, DYYA14, DBAV14, Dri10, FKM11, FF12,
FK10, GRS14, HP13, JNX13, JCC14, Lee12b, LTSH10, LTT10, Mar13,
NHE14, RVFK14, RMMD14, SAM10, ST13, SPM⁺13, WZZ14, WI13b,
WI13a, WTYC13, YZX14, ZN10, ZTS⁺10]. **colloidal** [Kea14, LZC⁺13].
Combination [DLLW14, HPS13, LP13a]. **combinations** [VDD⁺13].
combine [BJLR14]. **combined**
[ABD14, CSK13, DB12, DF10a, LZZC14, LLP14]. **Combining**
[DDL13, KO14, CHKT13, HSN13, LSM14]. **combusting** [GG10].
combustion [BHB11, DLM⁺13a, DKR12, Ger12, ISZ12, LI14]. **Comment**
[Dad12, PSL20, XS15, ZJS15, dv23, AK10, EH15, RDHK12]. **Comments**
[Gho17, HSK⁺15]. **commercial** [JWNL11]. **commitment** [KH11]. **common**
[Opp13]. **communication** [CRS14, NNS11, Nor14, OBT11, SSFM12].
communication-avoiding [Nor14]. **commutator** [AF11].
commutator-free [AF11]. **Compact** [Cui12, FKM11, HCD11, HM10,
LN10c, MDTC11, Mur10, PJCS14, RzSZ13, TGGT13, WV14, BSS14, Boe11,
DEH11, hGzS11, Ge10, GHM12, GCL13, GXS14, HE14, Kim13, LT12, LJ13b,
LZZS13, MDTC13, NMT⁺12, PDSS10, RBS12, SBS11, SZ11, SCY11, SY14b,
TY11a, Tyl14, VW14b, WGX13, Wen10, YS13, ZFH14]. **compact-WENO**
[GXS14]. **compactly** [Vai11]. **companion** [Boy13]. **comparative**
[JHDC10, KGSS10]. **Comparing** [BY11]. **Comparison**
[BHM11, BBC⁺13, BM13a, CHHS11, DSHP11, LLX11a, MCDT12, MBGW13,
iT14, BTX13, Boy13, GNGAS10, LKT⁺12, LCP13, MOSW12, Pri14, PR14b,
Rie10, SMP⁺13, TDU14, WPK14, ZTG⁺13, vRLPK11]. **Comparisons**
[GDY10, BMD⁺13, CB13, HL12a, JNW⁺14, SC10]. **Compatible**
[KBS14, CS12a, FGN14, KAB⁺14, MK13, OS14, PRH⁺14, TF10, dCRCS10].
Complement [Rod12, FMT11b, LYD10, SR13d]. **complete** [LHH14].
completely [NW12, YD11]. **Complex**
[Lip12, RVbZ10, STD14, ADSF13, ABH⁺14, BH13a, BUH11, BP13b, CKS14,
CB10, CZ11b, CLS10, CGC⁺12, DBO⁺10, Guy13, HS13a, JTT14, JK11,

KWS$^+$11, KIG11, LH13, LL14a, LN10c, LGE$^+$13, LH14b, MGN11, NJ12, PBdGP14, PHSA14, RF14a, SHCY13, SSM14, SM11b, SZ11, SJK11, SCC14, SY11c, SHZF12, UKP14, VBVD10, VS11, WYYK10, XDZ$^+$14, YZ12, ZN14a].
Complex-plane [STD14]. **complexity** [Pie12, PS14b]. **complicated** [CLZ12, Mar10a]. **component** [BD10b, HK11, MZ11a, MTZ14, PvDGvM11, PvDtTB$^+$11, ZKZ10]. **components** [ASK$^+$13, FK14, LRT13, PBC$^+$14, SBT14, dv23]. **composite** [BHS12, Du11a, JXD14, Mar13, TRL14]. **composition** [JWNL11, LBR14, WPP10]. **composition-resolved** [JWNL11]. **Compositional** [PM14, DFVY14, MF10, MF13]. **comprehensive** [LRK11]. **compressibility** [AOCR12, Deg11, OAKR14, OA10, PPTMDK13, TM10]. **Compressible** [JSA14, AB11, BHS13, BOD11, BDKV14, CVN13, CP10, CS10, CS14a, CS14b, CRT10, CC14, CGC$^+$12, CGF$^+$13, Del11, Del10, DL12, DL10b, FG12, FL11a, GITW12, GIMT14, GVV13, GKF11, GF13, GCL13, GDGP11, GXS14, HLT10a, HHA14, HMHO13, HK11, HK13, HAS13, JKW11, JLB$^+$10, JH12, KKP10, KSL10, KL10b, KG14, KK10c, KGK13, LMFH11, LGC13, LLX11a, LZ13, LLN$^+$10, LXS$^+$13, MWP14, MS10a, MF14, MESV10, MDM$^+$12, MJ13b, NMT$^+$12, NKF14, OL13, PZW14, PZG14, PC13, PL12, PR14b, QLW14, RGMC13, dCRCS10, RS10b, SM13, SZ10, SSHM10, SS10c, SPF10, Shu14, Shy10, SX14, SKW14, SHA12, SRL$^+$11, TS11, TBMH11, TT10, UKP14, VL14, WFK11, WWX$^+$10, WS10b, WP10, XMS12, XS13, XW14, YCLK12, YSW$^+$13, YSW14, ZHW10, ZS10b, ZS11, ZS12, dPSS12, vV12].
compression [HdCNT12, JU10, Opp13, OK10, RJG10]. **Compressive** [DvW14, ZDSP11]. **Compton** [DWL10]. **Compton-scattering** [DWL10]. **Comput** [ASS17, CFCA13a, Dav15, Gho17, HY11, LWD13a, NHT$^+$13, OBNN14, PS15, SYV17, SS14b, TK15, XMDG14, YKWS13a, ZJS15]. **computable** [AM12]. **Computation** [BS14a, CCLV10, DTYY14, GCLS11, LJ13b, MPS$^+$14, MRS14b, RW13, AK10, BM13a, CJLC11, CB10, DV13a, DKW10, ES10, EAB$^+$12, ES14, FN10, Fuj11, GT12, Gen13, GHM12, GP13, Gür14, KED$^+$12, LRS10, LL12a, LH10d, LHV13, MTD14, MLGN12, PBdGP14, PM14, RS13b, RS14b, Tan11, TVEC12, Wan13b, WC14b, XW14, ZD11a, ZKKF10]. **Computational** [ASXZ14, AS12, APRS14, Dad12, EH15, GHS13, HSK$^+$15, KEG$^+$12, KYP$^+$14, Try12, XS15, BSV14, CFCA13a, CFCA13b, CCB13, CP10, CGS13, CR14, EBGW13, Fal13, HHGC14, LCP13, OD14, OK13, PMS11, PSM11, PSM13, PMS14, PT12, SAHS14, SR13b, SC13, SS13c, Ton14, XHF13, XS11, XMDG13, XMDG14, LLH10]. **Computationally** [WG11, GL13, MJ13a]. **computationally-efficient** [GL13]. **computations** [AST13, BK12b, BX12, CRK12, CG13a, GP12b, GGG$^+$13, HLLW11, KS13a, LEH10, LEH12, LWD13a, LWD13b, LvZB10, OS11b, PB11, RWX11, SS13a, SHCY13, SLT$^+$14, SFWP10, SCB10, YS11b, ZS14]. **compute** [CP14, GD14, LFW11, STD14]. **computed** [LTC13]. **Computer** [HVT12]. **computers** [HOK10]. **Computing** [Ber14, Gil13, LSM14, LD12, WJC13,

AD14, AC11, BCW10, BD11a, BCZ13, BTX13, BM10a, CDSP13, CF11b,
CC12, CH14, DH10, Don11, FN14, FT12, GSTB13, GMG12, HF11, KST13,
Kol11, LKP14, Leu11, LLX11b, xLqW13, LTC14, MWP14, MP13, MTZ14,
NHE14, PMMB14, SSB13, Wan11b, Wan14, WC14a, YL14a]. **concentrated**
[YM10]. **concept** [BF13, ZPGO10]. **concepts** [LRS10]. **condensates**
[AD14, BCW10, BCZ13, CCW11, DH10, FT12, JCC14, MTZ14, ST13,
Wan11b, Wan14, WC14a]. **condensation** [CCC12, HSN13, LZZC14].
condensed [MFM12, SNBN13]. **condensed-phase** [SNBN13]. **condition**
[AV10, AHA12, Don14b, DKC14, GS11b, HZ11a, JCT11, JLC14, Lee12a,
MZ14, PBT14, RPV13, SSC13, SF12, TDL10, UGF14, VM10, Xu11, XCL14].
Conditional [YF11, Oli14, TBMH11]. **conditioned** [CBPS13, WZZ14].
Conditions [TD11b, AMP14, ALS⁺14, BDT10, BB13, BN11, BN13, BN14a,
BHY14, CCGP13, CT10, CVI⁺13, CG12, CGC⁺12, DK14, Du11b, EC13,
FY13, FCN⁺13, hGzSnZ12, GCA13, GHM13, HPA14a, HKM12, HG11, HF11,
HDPF11, IF10, JM10, KSS14, KMHJ10, LDS11, LFK11, LVFK14, LMK13,
LKTL10, LL14a, LMS11, Liu11b, MNR11, MJ14, MLBS14, Nic11, PGR10,
PHRG13, PBB14, PL10, PRL10, PC13, PGA11, RzSZ13, SG10b, SG10a,
SG12a, SG12b, She13, SR11, Stu10, SP11, TS10, hT10b, TE11, Vai11, Vai14,
VW14b, YZ12, ZT13a, ZzS11, ZW10b, BGH10]. **conductance** [SHFB12].
conducting [KSR⁺14]. **conduction**
[BD12, BDLGC13, Coo13, FAY⁺13, KK10a, LCK11, MM11, MSTL13].
conduction-radiation [MSTL13]. **conductivities** [APRS14]. **conductivity**
[BLM11, Hel11a, Hel11b]. **conductors** [Liu11a]. **cone** [HPA14b].
configurations [KSB12, RARO13, VBVD10]. **confined**
[Jar12, LVZK14, MLBS14]. **Confinement** [WCM⁺14, TTR⁺12]. **Conformal**
[MNS13, BY11, CWZ⁺11, DZL13, PL10]. **conforming**
[CRG13, EH13, KM13, KSR⁺14, NKS10]. **congestion** [DHN11, DH13].
conical [HZ11a]. **conjugate**
[KKvZB14, LN10b, NTV14, SD14c, Vol14, ZVNM10, MMM13]. **connected**
[LM14b]. **Connecting** [PBB14]. **connections** [BCLR10]. **Connectivity**
[WWZ13, SFWP10]. **Connectivity-free** [WWZ13]. **conquer** [BRP14].
consensus [YWS13]. **Conservation**
[DMM⁺13, AGBC14, BMS12, Bal12b, Bal14, BK14b, CCD11b, CCK13, CS10,
CB10, CDL11, DMT⁺11, DF10b, DZLD14, EFT13, Fan14, FD11, FCN⁺13,
FC13, GAV13, GPP11, HHS⁺13, HTHG14, HAH14, IDNG13, JS13a, KPH13,
Kri10, KL12c, LJX⁺14, LRLL11, LR12, MN11, MSS12, MNS13, MLM12,
MV13, NF12, Par12a, PYK10, QL11, QL12, RSS13, RTKS10, SK13, SM11c,
SABH11, SHZ13, SLI10, TS10, TWSN12, hT10b, UGkM13, XL11, XLD⁺11,
XCL14, YHL13, ZS10a, ZWL⁺12a, ZWL⁺12b, ZLCW14]. **conservation-flux**
[SK13]. **Conservative** [AINF13, CMS10b, JM12, KS14, QS11a, Ros10, YF14,
ANIF14, AK10, AHA10a, AH10a, BOD11, BBG⁺11, BRSS11, BRS13, BD14b,
CDT13, CL14b, CS14b, CL11b, DB13, Era13, EN14a, EN14b, EAN11,
FCN⁺13, GH14, GW13a, GF13, HLM11, HSK⁺15, HAS13, KR10, KAFB11,
LSM14, LNU10, LP13b, LGF11, LSVW10, LHPH11, MKCB14, MD13, MD14,

[BCP13, BHM14, BD14c, STD14]. **converging** [LTL11, Sto13]. **Convex**
[VDD⁺13, BLQ14, DFD14, GLWW14, SJ10, SBO11, hT10b]. **convolution**
[BK14a, HW10]. **convolutionary** [ZD10]. **cooling** [ASGW11, MSTL14].
coordinate [MTZ14, OK10, YN14]. **coordinates**
[AV10, BLA⁺14, CS14b, CDHM11, FS10b, HE14, JMGN13, KBS14, Mig14,
PG11, PPS12, Pir11, QZM⁺12, SCH13b, VB13, YJK12]. **copolymers**
[JHZ10]. **core** [CCD11a, Mit13, UJ12]. **core-annular** [Mit13]. **corner**
[MAPP13]. **corners** [BRS10, Bre12a, GHM14]. **correct** [OJ11]. **corrected**
[LBM10, LSVW10, OS11b, OJ11, VKL⁺13, ZS14]. **correction** [BNM14,
BD11b, CGMQ14, CSC14, DvW14, DF14, DS10, GW13a, IF10, LCP13,
LMZ14, Min13, Par10, SRS10, SHFB12, SR13d, WW13, YWL14, MNR11].
corrector [CP13b]. **correlated** [CP13a]. **correlations** [VLM13].
Corrigendum [ASS17, CFCA13a, Dav15, MPPP12b, NHT⁺13, OBNN14,
PS15, SYV17, SS14b, TK15, XMDG14, YKWS13a]. **corrosion** [BBCH⁺12].
cortical [AKL⁺13]. **cosmesis** [GSTB13]. **cost** [GHS13]. **costs** [SSFM12].
Couette [BA10, GDW11, VT13]. **Coulomb**
[BP13a, CDS13, DCC⁺13, HT10a, Men12, PG11, RRCD14, RRD⁺14].
counting [WLPG11]. **Coupled** [CES14, CHKT13, AMP14, BMP14,
BSSW12, BGGW13, CWL13, CKS14, CP10, CS12b, CNST13, CL14b,
CSW14, CH11a, FAY⁺13, FCG10, GMG12, HVD13, HHK13, HY10, HCM10,
KBTD12, KKvZB14, KSR⁺14, KMHJ10, LFLV14, LZZR10, Min10b,
MMH12, MGN10a, NKS10, RM14, SNBN13, SHCY13, SPB⁺10, TWMM14,
WK10, WXY13, WXY14, WX14, WSBG10, Zha14]. **Coupling**
[AJRT11, AV10, AP12b, Li10a, MD13, MHA10, WKL⁺14, BC10a, BLR13a,
BK14b, BP10, CL10, DTG⁺14, DSHP11, EGL⁺13, EHA14, Her10, KR10,
KN14, Kea14, KKC⁺13, LP13a, LYE10, LDDBR13, MVCFM13, MKB⁺12,
MDM⁺12, SKCC10, SCC14, SIT⁺11, UPDB13, YM10, ZKM⁺11, vTCL⁺10,
ABH⁺14, YS11b]. **covariance** [GCLS11]. **covariances** [GLS10]. **Covolume**
[JTXZ12]. **Covolume-upwind** [JTXZ12]. **CPU**
[CCB12, DKH11, Pri14, XDZ⁺14]. **crack** [SLC⁺11]. **cracks** [LYE10]. **Crank**
[ÇD12b, FF12, WXY13, YXZ13]. **creating** [SJ10]. **criteria** [DFVY14].
criterion [WFL10]. **critical** [MMM11, ZCD10]. **Cross**
[JNW⁺14, LH13, LRBT14, MBMV13, MF13]. **Cross-code** [JNW⁺14].
cross-diffusion [LRBT14]. **cross-flow** [MF13]. **cross-section** [MBMV13].
crossing [SM12b]. **crossings** [HZ11a, SM12a, SM12b]. **crowdedness**
[JJM13]. **crowds** [DH13]. **crystal**
[BGGGS11, BHL⁺13, BSS11, CTSM13, HCD11, LGH10b, YFL⁺13, ZMQ13].
crystalline [STC10b]. **crystals**
[CVI⁺13, HCH⁺10, KA13, MNF⁺10, SBS⁺13]. **CSEM** [BPM13]. **CSF**
[Yok13]. **CSLAM** [HLM11, LNU10]. **CTU** [MT10]. **cubed**
[BNT14, HLM11, IDNG13, LNU10, YC11]. **cubed-sphere**
[BNT14, IDNG13, LNU10, YC11]. **cubic** [Del14, PLN11, Vai11, ZCD10].
CUDA [Pri14, HJBB14, JLS⁺14]. **current**
[BBF12, BM13a, Del13, JC10, KHRD11, SCB10]. **current-based** [SCB10].

current-dependent [Del13]. **currents** [BS14a]. **curvature**
[ELM14, FS10a, Gür14, IKO⁺14, LRS10, LH10d, OLC13, TVEC12, WJCG13].
curvatures [FLM12]. **curve** [Par12b, ZWJW10]. **curve-like** [Par12b].
curved [BWC11, BWC13, CDLL12, CKR14, Gen13, MBR11, NZ14, UGF14,
VM10, VQVD11, Zha10b]. **curves** [Bre12a, MWP14]. **Curvilinear**
[PDSS10, AV10, DKR14, FS10b, HE14, JRG13, NTV14, Pir11, SML13,
TGRL13, YN14, YJK12, Zie11]. **CUSP** [SZH12]. **cut**
[DWZ10, SHMS13, SD14c]. **cut-cell** [DWZ10, SHMS13, SD14c]. **cutoff**
[LHV13]. **CWENO** [HAH14]. **cycle** [KWHD12, MNKS13, WHB14]. **cycles**
[WIJ13]. **cyclic** [HPLS10]. **cylinders** [Lee12b, SSS10, STC10a]. **Cylindrical**
[KBS14, MK13, BLA⁺14, BdCB11, BY11, CS10, CS14b, DC13, GDGP11,
JWV12, JNW⁺14, KSB12, LHY12, LE12, Mig14, PG11, PPS12, RSK13,
SSB13]. **cylindrically** [MTD14].

D [CGF⁺13, Del11, DCL11, HLYS11, JM10, MMM11, MVCFM13, YCY11,
ZOWZ10, ZJS15, KKS13, SYE10, AST13, ABMT14, AW14, AH10b, BGR11,
BLM⁺14, BWC11, BS14a, BBAP14, BGHM13, BCL13, BCL14, BLJ11,
BD14b, BSS11, BHM14, BLY10, Cha14, CP14, CCW12, CL11a, CC12, CS14c,
CLAL14, CH14, DDL13, DK14, DFD14, FBM14, FNGV14, FW12, FCG10,
FGLB14, GW13b, Ge10, GC11, GCZ13, GM10a, GHM14, GD10, GL12a,
GLC⁺11, GKS⁺11, HPA14a, HBM13, HRT11, HLW13, HvB11, Hu13,
JMGN13, KL12a, KVM12, KBS14, LH10a, LP13a, LVFK14, LTSH10, LT12,
LEH12, LLP14, LMBB11, LS13d, LDA10, LL10b, LZZR10, MAPP13,
MMR12, MDTC13, MBMV13, MVCFM13, MZB12, MMT14, MF13,
MHGNM12, MHHGN14, MV13, MBGW13, MT14b, MLGN12, MGN14b,
Nic10, NJ12, Ols12, PPS12, PWB⁺14, PBdGP14]. **D** [RCQL11, RKGM14,
SKN13a, SY12a, SY14a, SCGE13, SF14, SCC14, SCH13b, SM12c, SAA14,
TGT⁺10, TQW14, TDL⁺14, TRSMM⁺13, TR14, TGGT13, UJ11, UWB12,
WYYK10, WR11, WG11, Xu11, Zha10a, ZYF⁺10, ZMD⁺11, vTCL⁺10].
D-lattice [BBAP14]. **D-TLM** [TRSMM⁺13]. **D-Var** [CS14c]. **D/**
[MVCFM13]. **DAE** [MM12]. **Damage** [AJV11]. **damped**
[MBMV13, MNS13]. **damping** [BK12a, DGAH10]. **Darcy**
[DFVY14, EZ10, HPV13, KR10, LLMY14, NJ12, SW10, WX14]. **Darcy-flux**
[EZ10]. **dark** [BTX13]. **Data**
[AC11, BND⁺12, QA11, RSFS13, AR14, BERB⁺12, BGG12, CS14c, CF11c,
GLS10, GCLS11, GHM13, HHA14, HMM⁺10, HVT12, IK11, JLY10, JSX10,
KS11a, Kaz10, KMSS10, NMX12, SS10a, Vai11, WMI10, WY11]. **data-flow**
[BERB⁺12]. **Data-free** [BND⁺12]. **datasets** [AA13, HdCNT12]. **Davidson**
[And13, HWHW10, Zho10]. **DDM** [DL10b, LD14]. **DDR** [JS13a]. **Deborah**
[Kwo14]. **debris** [MGN12b]. **Debye** [NZ14]. **decay** [MS14b]. **decomposed**
[SSFM12]. **decomposition**
[AST13, AS12, AETT11, APY14, BPM13, BAG12, CBKK12, DLNN12,
DMR14, DEKBF14, DAA11, ETW10, GPCE13, GCE14, GK10, Gri12b,
GD13, HdCNT12, JC13, JWYH10, LTSH10, LTT10, LDE⁺13, PL10, PRL10,

RHB12, RHGT10, RSFS13, SYL12, SSB⁺12, SCH13b, SKN13b, Sto13, Stu10, SS14c, VHG13, WABI11, WC14b, Xie14a, YCLK12]. **decomposition-based** [JWYH10]. **deconvolution** [KRF12]. **Decoupled** [OD12]. **decoupling** [NDV⁺11]. **Defect** [BNM14, Coa12]. **defects** [Del14]. **deferred** [CGMQ14]. **defined** [GM10b, Sza12, YW13, YHM12]. **definite** [GM12a, RMSF11]. **definition** [MCLG10]. **deflated** [MMM13]. **deflation** [Vol14]. **deformable** [KF13a, MGN14a, SL13b, WKL⁺14, XHF13]. **deformation** [BWS10, LT10a, LCB12, RA10a, ZL13]. **deformational** [NL10]. **deformations** [BBD11, LMQ⁺11, NW10, TDL⁺14]. **deformed** [XZWW12]. **Deforming** [BHS12, SYV17, AINF13, ANIF14, BBGP13, GCvRK11, LMZ14, MN11, RC12, SYV14]. **Degasperis** [YS13]. **degenerate** [CGC13, TSR13]. **degree** [KL11a]. **DEIM** [SN13b, XFB⁺14]. **delivery** [RUL⁺13]. **Delta** [ZT10a]. **DEM-SPH** [SSY13]. **demagnetizing** [GHDS10]. **DEMOCRITUS** [Lap11]. **dendrite** [GMG12, GMXG14]. **dendrites** [KBTD12]. **dendritic** [BGN10, RR14]. **dense** [CM14, GLLP14, JNW⁺14, VP14]. **Density** [LE12, AHS14, AGSG11, AF13, ABPSM11, BGK12, BW14, BBF12, CCKCG10, DS12, FGR12, GW14, Gil13, GW10, GK14, GLL14, ITO⁺10, JYHT10, JFC⁺13, KSS14, KG13a, KL12b, LP13b, LRT13, LMGS13, LLYE12a, LLYE12b, LSE13, LHB10, Mor10, MIKG12, MNL⁺13, MLGN12, Par10, SL13a, SD14b, SHM12, SBO11, SP14b, TBNT11, VK12, Yok13, Yok14, ZWL10, dv23, vydCNS⁺10, Fat10]. **density-driven** [KL12b]. **density-scaled** [Yok13, Yok14]. **dependencies** [RE13]. **dependent** [AME14, BN12, Brü13, CdCNH14, CEK14, CHZ13b, CHZ13a, Del13, DTU12, Dur14, FGLB14, FWP13, FWLP14, Gen11, GvdSVK10, Gho17, GH12a, GS11b, HPA14b, HBM13, HBAP10, LFK11, LTL⁺14, LSW14, MM10, OLFS13, RA10b, SG10b, SD14a, SLGB12, SSR14, SW13, Tal13, WD13a, WC11, ZD10]. **deposition** [KHRD11, Zoh13, vDS12]. **depth** [BH13a]. **derefinement** [BLOdV14]. **Derivation** [CHZ13a, SVS11, OLFS13]. **derivative** [CNR11, ÇD12b, CJLC11, DBZ14, hGzSwZ14, JR12, Kol11, Par12b, Pir10, SW11, SAM10, SBS11, WXY13, YMS12]. **derivative-free** [SAM10]. **derivatives** [BCL13, CTJT13, Gon12, HLY12, KSS14, Kaz10, LA10, Mar10a, Mat14, MW14b, ZY13]. **derive** [KBRM12]. **deriving** [LGE⁺13]. **descent** [SBT14, WJC13]. **describing** [ÁCB12]. **description** [Jar12, MGN12b]. **Descriptors** [KIG11]. **design** [ASGW11, BF13, DRB14, EAN11, HM13, KJC13, LA10, LGC13, SRN13, WFL10, YDN10, ZLL10]. **designed** [OK10]. **detailed** [ZDSP11]. **Detecting** [Ran12a, DEH11, KL14b, Ran12b]. **Detection** [CDL11, GBC11, KS11a, LLSW14, MCLG10, SM12a, VR14]. **deteriorating** [PT12]. **determination** [PBC⁺11a, XMS12, YLW10]. **Determining** [KWJR14, KJWR14]. **Deterministic** [AJ14, WWS⁺13a, AC13, BDL11, BM14, Dav10, Dav15, GLC⁺11]. **detonation** [JLY10]. **detonations** [WZSN12]. **developed** [SNS10]. **Developing** [LHY12, LS10b]. **Development** [FMT11b, HMOH11, KIF⁺14, SSC13, SML13, SLH⁺11, GHS13, SCY11].

developments [CMO14]. **device** [JLC14, LS10a, MJ14, SO13, SRN13].
devices [BS14a, CBKK12, CW10, CGR11, PAG11, TK14]. **devising**
[EEK14]. **DFLUX** [GMC13]. **DG** [CLQX13, CKR14, HLY11, JC10, JXD14,
RGK12, YK12, ZWL⁺12a, ZWL⁺12b, ZQ11, vDS12]. **DG/FV**
[ZWL⁺12a, ZWL⁺12b]. **DGFEM** [BD10a]. **DGM** [FH11]. **DGSEM**
[WK14]. **Diagonal** [Mat14, MAC14]. **Diagonal-norm** [Mat14, MAC14].
diagonalisable [BLTO11]. **diagonalization** [BHK⁺10, CBPS13, ZCS14].
diagonally [NMCZ14]. **diagonally-implicit** [NMCZ14]. **diatomic**
[LYXZ14]. **diblock** [JHZ10]. **Dichotomy** [FT11]. **dielectric**
[CPJ11, LTC14, PVDW14, TK14, YD11]. **dielectric/electrolyte** [LTC14].
dielectrics [BWC11, Liu11a, WBC13]. **dielectrophoresis** [HDD14].
Difference [BMS12, MOSW12, SYV17, AINF13, ANIF14, AV10, AN13,
BDMP13, BHL⁺13, BN13, BN14a, BSS14, Boe11, BHM14, BHY14, CCW12,
CH10, CRT14, CWZ⁺11, CGP10, CR13, CVI⁺13, CR14, DEH11, DMT⁺11,
DMM⁺13, DB13, DA14, DV14, EO11, EAN11, FH11, FCYF11, FCN⁺13,
FC13, FL11b, FO11, FSL10, hGzS11, hGzSnZ12, GYL12, Gao13, hGzS13,
Ge10, GMA10, GM10b, GHM12, Gri13, GZZ14, GQ13, HPA14a, HPA14b,
HE14, Hic12, HZ14, HPOM10, HJK14, HY10, JM10, Kim13, Kol11, LT12,
LX14, LCP13, LMS11, LMBB11, LMS14, LC14, LS13d, LW14, LBS10, Mat14,
MTT13, MTB10, Mor10, MK14b, OBT11, Par13, PGLT10, PNPF10, Pri14,
QS11a, RzSZ13, SRSV11, SBS11, SQC11, SZ11, SYV14, Son11, SC12,
SIT⁺11, SRL⁺11, sSLxRyZ14, TH14a, TY11a, Tsu10, Tyl14, VW14b,
WWS10, WW11, WSYS12, WXY13, WD13a]. **difference**
[WGX13, WV14, WD14, WXY14, WP10, WAM14, XQX13, XQXC14, YS13,
YWL14, ZS12, ZY13, nZzSlL14, ZW10b, vEKdB14]. **differenced** [LKM13].
differences [BN12, BdCB11, BFE12, FLB⁺12, MW14b, UKP14].
differencing [HH12a, MOV12, NMT⁺12, TK12, TK15]. **different** [BBC⁺13,
CBGK13, Far11, KSS14, LQ10b, RBS12, SMP⁺13, SHFB12, SC10, XH13].
Differential [CBW10, PZ14, dCRCS10, AP12a, AB13, ARR11, BBM14,
BJ12, CCLS10, CX13, CK11, CHZ13b, CHZ13a, DAEB13, DA14, Dri10,
FVR13, Gno14, GM14a, Gri10, Har11, JTXZ12, Kat14, Ler14, LLZ11, LCY11,
LS13c, LM13, MZ10, MDTC11, MDTC13, MGN10b, NP12, Pir12, RH13,
RHB12, Ton14, TS14, WZ13, WW14, WH11, XH14, YMS12, YXZ13, YK13].
differential-algebraic [CK11]. **differentially** [CLS10, ZKZ10].
differentiation [hGzSwZ14, VS11]. **diffraction** [BL13, DB12]. **Diffuse**
[AELV14, FG12, MZ14, ZCD10, Ala14, DjY14, GK14, GGT13, Min13,
TSLV11, TFP13, DK14]. **Diffuse-interface** [ZCD10, GK14, Min13, TSLV11].
diffusing [SBA13]. **Diffusion** [ERT10, JS13a, KLB⁺14, Mar10b, AV13,
AH10a, AT13a, APY14, Atz10, BHM11, BHM13, BLM⁺14, BH13b, BCK11,
BBAP14, BS10a, BKC⁺11, BHY14, BTY14, CYK⁺14, ÇD12b, CGC13,
CY12, Cha14, CL14b, CGP10, CM10, Cui12, DTU12, DBO⁺10, DKW10,
DSHP11, EMK11, EMSH14, FAY⁺13, FHL10, FF12, FCY13, FWLP14,
hGzS11, hGzSnZ12, hGzS13, GW13b, GC11, GM14a, HPS13, HL11, HLDP14,
HY10, HW14b, HCM10, JC13, JZ13, JN12, KKAS12, LN10a, LK14, LS13b,

LRN13, MMR12, MIJ10, MTG11, MG14b, Nor13, PRH$^+$14, PGR10,
PvDtTB$^+$11, PMSM12, PJCS14, RF14a, SH14, SG14, SBT13, SSL13, SDH12,
TD12a, TLO$^+$14, VW14a, VMA14, VKBK11, WAM14, YHM12].
Discretizations [SYV17, AB12, AJ14, AMP14, BBC$^+$12, BN13, BN14a,
BRP14, BSV14, Gas11, GDHM11, JN12, MN11, SVK14, SYV14, SD14c,
TD12b, WABI11, vdVR12a, vdVR12b, vV12]. **discretize** [TGO13].
discretized [Han11, LTC10, LTSH10, Mar13, NDBG14]. **disjoint** [Kim13].
disk [BY11, ZL13]. **disks** [YTYJ12]. **dislocation** [FTF14]. **dispersal** [LY14].
disperse [GJLY13]. **Dispersion** [KWJR14, TCL11, BSS14, CWS13, CD13b,
CCW12, DBHBB13, GB14, GJ11, Gür14, HPA14a, Hig13, JW11, LS13d,
MPS$^+$14, MMP11, NYM13, RSD10, SRL$^+$11, sSLxRyZ14, WA12, XS11].
dispersion-relation-based [LS13d]. **Dispersive** [Ain14, BRS11, BCL$^+$11,
DKM11, HLY11, NZ14, OJ11, PDZ$^+$14, SB14, WXZ10]. **dispersively** [YS13].
displacement [BCG$^+$13, MMH12, ZL13]. **displacements** [ES13a].
dissection [SY14a]. **dissimilar** [WQCS13]. **dissipation** [BJLR14, CGM$^+$12,
DBHBB13, GJ11, HAD10, HJK14, HK11, JXD14, KKP10, LFL11, LGC13,
NYM13, Rie10, SRL$^+$11, sSLxRyZ14, TiI11, XS11, XW14, ZGSZ10].
dissipation-rate [JXD14]. **dissipative**
[FR13, GPY14, LH10a, LTL$^+$14, LSW14, LEHA10, MGLS12, Pir11, RPV13,
SCY11, VW14a, WYS$^+$11, WLL13, LFK11, MDPTK13, PAG11].
dissolution [YL10]. **distance** [ERT10, RS13a, WYS12a, ZT10a]. **distances**
[SC12]. **Distinguishing** [OJ11]. **distorted** [WDGY10]. **distributed**
[FB11, GSTB13, Kat14]. **Distribution** [MGJZ10, ALR11, BND$^+$12, CZL10,
Cou11, HLT10b, JC10, LSK11, RA10b, SHR3, VQRD11, VQVD11, YSW14].
distributions [JW12]. **disturbance** [RZ10]. **disturbances** [VMS12].
Divergence
[Kaw13, Nis12, AHA10b, BK12b, EH13, GW13a, GCvRK11, KAA12, KG13c,
Li10b, LXY11, LX12, McD14b, NCV10, TS12, TP12, YVL$^+$11, YB14].
divergence-conforming [EH13]. **divergence-free**
[KG13c, Li10b, LXY11, LX12, NCV10, YB14]. **Divergence-free-preserving**
[Kaw13]. **divergent** [RH13]. **divertor** [DRB14]. **divide** [BRP14]. **DNA**
[KLB$^+$14]. **DNS** [SSHM10, SRL$^+$11, VdMS$^+$14, YYB12]. **Do** [MW14b].
does [Den11a]. **Domain**
[BPM13, ILM$^+$13, OK10, SKN13b, AWK$^+$11, AS12, AF13, APY14, BHB11,
BILM14, BCB12, BAG12, BHY14, BL11, CES14, CBKK12, CW14a, CL11a,
CWZ$^+$11, CVI$^+$13, DYYA14, DDF14, DMR14, DFFL10, DL10a, DZL13,
DBHBB13, GB14, GLLP14, hGzSnZ12, hGzS13, GVH14, GP12b, GK10,
GT11, HS13a, HR10, HBZL14, HJK14, HDD12, JC13, KKS13, LMLC12,
LB12, LCNK10, LHY12, LTT10, LS13d, MBLM10, MN14, NZ14, NB14,
PL10, PRL10, RVB10, RHB12, RHGT10, SBWF14, SABH11, SY11b, SF12,
SSB$^+$12, SCH13b, SSFM12, SFWP10, Soa13, Sto13, Stu10, SS14c, TH14a,
TD12a, VHG13, WJC13, WC14b, XMDG13, XMDG14, XH14, YD11].
domains [AJRT11, AAI10, AB11, AEM13, AT13b, AM11, BLQ14, BvBZ$^+$10,
BUH11, BKC$^+$11, BR10b, BRS10, BL10, CCFCM11, CS13, CGS13, CR13,

DKC14, DRZ14, Era13, FC13, GPY14, GM12b, GHM14, HG11, HWST12,
JPC$^+$14, JKR14, JK11, KTT12, KF13a, KTT13, LP12a, LK14, LMZ14,
LN10c, LB10, MKCB14, NS14b, PHSA14, PZ10, RC12, SJK11, SR11,
TDVG13, WS14, Yin14, Zen11, ZWH$^+$12]. **dominated**
[BD11b, KWSJ11, LFRM10, TLG10, vdVR12a, vdVR12b]. **doping**
[CW10, CGR11]. **Dory** [VCS14]. **dot** [HWHW10]. **dots** [PBB14]. **Double**
[EZ10, VG14, CBGK13, KHHK12, HGRB14]. **double-diffusive** [KHHK12].
Double-families [EZ10]. **doubly** [BS10a, CH14]. **doubly-periodic** [CH14].
DPD [MDPTK13, PPTMDK13]. **drag** [Min10b, SL13b]. **drift**
[BH13b, MSS$^+$14, PMS11]. **drift-diffusion-Poisson** [BH13b]. **driven**
[AF11, CLAL14, EMS11, GCFJ13, KWSJ11, KFOS14, KL12b, LS13a, LL12a,
MWRZ13, RTS13, SGC13]. **drop** [BB13, DL10c, LL10a, YFL$^+$13]. **Droplet**
[JW12, KBB13, LZ10, SL13b, Yok13]. **droplet-laden** [KBB13]. **droplets**
[RWMG11, Zoh13]. **drops** [CL13]. **Drude** [HZS12, LBZ$^+$10]. **drug**
[RUL$^+$13]. **drum** [ZWL10]. **dry**
[DLM13b, LL10a, MHHGN14, MBGW13, YMLM$^+$14]. **drying** [CTP13].
DSMC [GWK10, Mac10, PMF13, SGV13, SG13, Sza12]. **DSMC/Navier**
[SGV13]. **DSMC/NEMD** [GWK10]. **DT** [Nor14]. **Dual**
[HZ14, BLRR11, BN13, BN14a, DjY14, KHGW13, PRH$^+$14, XJ12, XJ14].
dual-mesh [XJ12]. **dual-primal** [XJ14]. **dual-resolution** [DjY14]. **Duality**
[BN14a]. **duct** [HY09, HY10, HY11, LT12]. **due**
[BR14, CWL10, HH13, Mit13]. **during** [CRS14, IBO14, JNW$^+$14]. **dust**
[Min10b]. **Dynamic** [PWB$^+$14, RVB10, RXLS14, CTSM13, Dad12, DDM10,
Don10, GIQ11, HLZ14, JTH10, LDS11, SC10, SS13b, SS14b, Wit13, BM13b].
dynamical
[APC11, CTG12, Chi12, GLM14, NT14, SP13, UJ12, Wan13b, YL14a, YL14b].
dynamically
[CHZ13b, CHZ13a, CSK14, MN11, MMD$^+$11, RWX11, ULS13, YJK12, CSK13].
Dynamically-Orthogonal [CSK13]. **Dynamics**
[MDPTK13, STL$^+$10, Abr10, AHA10a, AAI10, AGBC14, ARF12, AEM13,
AM10, ACB$^+$13, BCW10, BD11a, BB12a, BHS14c, BLJ11, BDLGC13,
CCT11, CP12, CD12a, CFCA13a, CFCA13b, CWC11, Chi12, Dav10, Dav15,
DXB$^+$13, DKR14, DLM$^+$13a, Don11, Fal13, FBM14, FTF14, GPY14,
GCLS11, GW11, GL13, HKL14, HCS$^+$10, iIT14, JZ11, JFC$^+$13, KH11,
KL10a, KIF$^+$14, Kol11, KMHJ10, KSB14, KMSS10, KAG14, LSM14, LB13,
LKLG14, LJX$^+$14, LSK11, LYE10, LJ13a, LTL$^+$14, LEHA10, LZ10, MCJ14,
MK14a, ML14a, MB13b, MTZ14, NIN$^+$14, NNS11, ORHH13, OLC13,
PTM13, PL12, PZ10, RTS13, RPV13, RTKS10, SB14, SSC13, SSB$^+$12,
SSW13, SKW14, STC10b, TQW14, VMA14, Wan11b, WLL13, WZT$^+$14,
WYT14, ZD11a, ZD12, ZYF$^+$10, ZKM$^+$11, dPSS12, LFK11, PAG11].
dynamics-based [LJ13a]. **dynamo** [LLJ10].

E-CUSP [SZH12]. **Eady** [BCW13]. **Earth**
[ASXZ14, RKGM14, TRSMM$^+$13]. **EAST** [KYP$^+$14]. **easy**

[SdAW14, Yao14]. **easy-to-implement** [SdAW14]. **Eca** [EH15, XS15].
Eccentered [PMM$^+$11]. **eccentric** [GDW11]. **Eddy** [CP13a, ADSF13,
BGGW13, BA10, BM13a, DV13b, GW10, HA11, KSL10, KSB12, LFL11,
MS14a, McD14b, OL13, OAK11, PGLT10, dlLPC10, dlLPCP12, RG13, SZ10,
SFCF10, Ste14, TRL14, TGO13, VKBK11, WDP$^+$14, Den11a, MDH$^+$10].
eddy- [TGO13]. **EDG** [BR12b]. **edge** [AAG14, AST12, BD13, CXZ10,
Cou11, GIQ11, ICC$^+$10, KBSV14, LHY13, Soa13, SS10e, TGT$^+$10].
edge-based [Soa13, SS10e]. **edged** [HWW10]. **Editor** [HAD10]. **Editorial**
[Ano12f, Ano12g, Ano12h, Ano10b, Ano10c, Ano10d, Ano10e, Ano10f,
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Ano10p, Ano10q, Ano10r, Ano10s, Ano10t, Ano10u, Ano10v, Ano10w,
Ano10x, Ano10y, Ano11c, Ano11d, Ano11e, Ano11f, Ano11g, Ano11h, Ano11i,
Ano11j, Ano11k, Ano11l, Ano11m, Ano11n, Ano11o, Ano11p, Ano11q,
Ano11r, Ano11s, Ano11t, Ano11u, Ano11v, Ano11w, Ano11x, Ano11y,
Ano11z, Ano12b, Ano12c, Ano12d, Ano12e, Ano12i, Ano12j, Ano12k, Ano12l,
Ano12m, Ano12n, Ano13i, Ano13j, Ano13k, Ano13l, Ano14-34]. **EDQNM**
[MS14b]. **EEM** [KIF$^+$14]. **Effect**
[JC10, FGE11, JR14, KH13, SSR$^+$13, TAI11, WJCG13, YHL13]. **Effective**
[CFCA13a, CFCA13b, BdCB11, CR14, Hel11a, Hel11b, JLZ13, KWJR14,
KJWR14, LKP14]. **Effects** [Coo13, GLL$^+$11, Lee12a, SB14, BB12a, BPHK13,
DDM10, Gen11, Gho17, JWNL11, KS11b, LJG14]. **efficiencies** [LCP13].
efficiency
[ASB10, CM13, GKG$^+$13, LTC14, PZW14, QL12, SEBG12, YWL14].
Efficient [ADT14, ABK12, ABK13, BMD$^+$13, BCW10, BCZ13, BLRR11,
BF12, BR10b, CNSFD13, CS12b, CHHL11, DHH11, FNGV14, GM12a,
GRT12, GKS$^+$11, GD13, Ham10, KL11b, LdWF12, LSE13, LFRM10, LL14b,
MOV12, Men12, MY13, Nic11, NDB12, PGR10, PMSM12, Ran11, RS13b,
RS14b, SR13a, TWSN12, TCW$^+$10, WWS13b, dPSS12, ARR13, AD14,
ABH$^+$14, BHL$^+$13, BBAP14, BK12b, BZKL13, BSCML13, CY12, CCB12,
DL13a, DL13b, Don14a, DL10b, DEKBF14, FL13, FP14, GW14, GMT10,
GL13, GHM14, GRS14, GJ14b, GXX14, HAMA14, HNS12, HLZ13, Kri10,
Lee13, LLX11b, LMZ14, LD14, LH14b, LCWN12, LFW11, MJ13a, MF10,
MTZ14, MJ13b, MMH12, NDV$^+$11, Nor14, NT14, OTV13, RA10a, RS14a,
RWMG11, SBN12, SS11, SJB11, SLT$^+$14, STH11, SR11, Shu14, SSR14,
SS13c, TY11a, TLZ$^+$11, Wan11b, WT12a, WD13a]. **efficient**
[WG11, WJC13, YL11, YS12a, vHtTBC11]. **efficiently** [VSK10]. **Eigen**
[GZQ13, ZK13, ZD11b]. **eigen-based** [ZD11b]. **eigen-problems** [ZK13].
Eigen-structure [GZQ13]. **eigenfunctions** [Hua14]. **eigenmodes** [HP13].
Eigensolutions [RSK13]. **eigensolver** [BWC13, JMKK12]. **eigenspectra**
[EEK14]. **eigenvalue** [Alm14, BDLGC13, CBPS13, CFW$^+$13, CXZ10,
CHHL11, GLSC12, GBB$^+$13, HAMA14, HCH$^+$10, Hua14, HWHW10, LLJ10,
MBR11, MRS14b, Ren11, SKCC10, WPK14, Xie14b, fZlC11, Zho10].
eigenvalues [And10, And13, JS13b, Ost10]. **eigenvectors** [And10]. **eight**
[And13]. **eikonal** [DGM13, Luo13]. **Einstein**

RCCW10, RHGT10, SF11, SL13a, Sog14b, SLC$^+$11, SK12b, SBvdV11, SJH12, SS13b, SS14b, SDH12, TF10, TD11a, TCL11, TTD11, VSK10, WA12, WKMJ13, WZZZ14, WYC13, XH13, XJ14, YL11, ZM10, ZK14, ZW10a, ZOWZ10, ZOJR11, ZYHW13, ZYT13, ZKM$^+$11]. **element-finite** [GQ13, RKGM14]. **element-free** [ZOWZ10]. **element/Fourier** [SJH12]. **elements** [ABK12, ABK13, BMS12, BD13, BSB14, BL10, CXZ10, CKR14, CS12c, CMBW13, DMHL14, DKR14, DL10a, DTYY14, ES10, FGZ12, FGE11, HBZL14, HMM$^+$10, HZS12, JMFO13, JRG13, MKGV12, MTS$^+$11, NLGL14, OS11b, RBK13, SCGE13, TEY12, VQVD11, ZTG$^+$13, ZD11b]. **elimination** [Opp13]. **ellipsoidal** [MWRZ13]. **ellipsoidal-statistical** [MWRZ13]. **ellipsoids** [GL13]. **Elliptic** [SG12a, AB12, BvBZ$^+$10, BL11, CK10, CS13, CV10, CR13, DLNN12, FGE11, FO11, GM10b, GKN$^+$11, Gri10, HPS13, HWST12, HWW10, HSWZ13, Hua14, JTXZ12, Kau10, LB12, LMS11, LC14, MDTC11, MMM13, Mar13, MWW$^+$13, OK14, OS11a, PG11, PPB14, SS11, SG12b, SY12a, SY14a, SD14c, XZW11, XZWW12, YK13, LB10]. **elliptical** [Lee12b, LR13]. **ellipticity** [TDL10]. **Elsvr** [Ano12-31]. **embedded** [BF14, CCG11, FL14, JM10, KT14, LKTL10, MP13, SK12b, SdAW14, UKP14, VRB10, MDM$^+$12]. **embedded-boundary** [VRB10]. **Emden** [xLqW13]. **emission** [Den11b, LGP14, RKD$^+$14]. **empirical** [CEGG14]. **employing** [GV13]. **enabled** [HJBB14]. **enclosed** [LT10a, LW11]. **encode** [ACG14]. **endocytosis** [TH14b]. **endotoxemia** [SMF$^+$13]. **energetic** [ABL$^+$11, BM10a]. **Energy** [BHL$^+$13, CCZ14a, CCZ14b, GKG$^+$13, HJK14, HLLW11, LTL$^+$14, MRS14a, MGN13, RHB12, San13, WZZZ14, WCVJ13, YHL13, AM10, BK12b, CWL13, CGM$^+$12, CCB13, CTG12, CCB11, CC13, CSX14, CJP$^+$14, DP12, FCYF11, FMT11a, Fus13, GZZ14, GLL14, HAD10, HCP10, JYHT10, KBS14, KJ11, LH13, LY13b, LLYE12a, LY14, LW14, ML11a, MHGM14, MGN14b, OS14, PS14a, PS15, RTKS10, SLI10, SO13, SEDW13, TBNT11, WGX13, WWS13b, vV12]. **energy-** [CCB11]. **energy-based** [DP12]. **energy-conserved** [LY13b]. **Energy-conserving** [CCZ14a, CCZ14b, LTL$^+$14, San13, CCB13, CC13]. **Energy-dissipation** [HJK14]. **Energy-preserving** [WZZZ14, CWL13, WWS13b]. **energy-stable** [GZZ14]. **enforce** [NMV13]. **enforcement** [Nic11]. **Enforcing** [NV14]. **engineers** [PZ14]. **Enhanced** [HSD11, LLW14, GCBH13, KGK13, LJX$^+$14, LFRM10, RF14a, XM14, ZMG11]. **Enhancement** [KG11, KG13a, Zho11, KRF12]. **enhancements** [BK11]. **Enhancing** [HGSK$^+$13]. **EnKF** [CZL10]. **ENO** [SIDG13, WI13a]. **ENO-type** [WI13a]. **enriched** [CJ14, MMD$^+$11, MSTL14, Sog14b]. **Enriching** [Try12]. **enrichment** [MSTL13]. **Ensemble** [GLM14, EWH13, Gil13, HMM14, KSS14]. **ENSO** [OMCO14]. **enstrophy** [KJ11]. **enthalpy** [BKKD14, CLZ12, KBTD12]. **enthalpy-based** [CLZ12]. **entirely** [BGZ12]. **entrainment** [Mit13]. **Entropy** [CVIA10, GPP11, LY14, AHOT14, DL12, FC13, FLM12, LGE$^+$13, MT13, RRCD14, RPA13, Rot13]. **entropy-based** [AHOT14]. **Entropy/energy** [LY14]. **entry** [CRS14]. **envelope** [CBCM$^+$11]. **EPIRK** [Tok11b]. **epistemic** [CPX13, JEX10]. **EPS**

[SW11]. **Equation**
[MM11, AH13a, Ain14, AJ14, ASS13, ASS17, AME14, BK14a, BH12, BD11a,
BTX13, BHL$^+$13, BFO14, BR14, BB12b, BKH12, BAG12, BY11, BX12,
BHY14, CCT11, CW13, CD13b, CES14, ÇD12b, CdCNH14, CB12, CT13,
CGG12, CEP12, CRS14, CCW12, CLX14, CH10, CSX14, CGS13, Coa12,
CRS12, Cui12, DDL13, DO11a, DOR10, DGM13, DL13a, Dur14, DV14,
EMSH14, FKM11, FGZ12, FHMS11, FGLB14, FK14, FE11, FO11, GH14,
Ge10, GCZ13, GMC13, GMA10, GG14, GM12b, GBB$^+$13, GH12a, GAV13,
GL12b, GHJ14, GT11, GQ13, HM11, HPA14a, HPA14b, HZ11a, HPV13,
HMS10, HRCW13, HLDP14, HvB11, HWW10, HW14b, JWV12, JNSA12,
JC13, JRTY11, JW11, JKQ13, JWYH10, JY11, JM10, KKS13, KS11c,
KJC13, KBGRM10, KL10b, KK10c, KQ11, KTT13, LH10a, LP12a].
equation [LKT$^+$12, LQ10a, LCY11, LX13a, LXL13, LMK13, xLqW13,
LW13a, LLP14, LX14, LYJ14, LM14a, LDE$^+$13, Liu13, LS13d, MMR12,
Mar10b, MKGV12, MHA10, MD14, MP13, MTG11, ML13, MYM12,
MTS$^+$11, MAD13, MZB12, MVG11, NLGL14, NN12, Nis10, NCV10, PSL20,
PRH$^+$14, PSM11, PBB14, PCF$^+$13, PS14a, PS15, PP12, PLN11, Pri14,
QY10, QC10, RzSZ13, RLJ14, RVbZ10, RJG10, RS13b, RS14b, RNT12,
SOG14a, Sam14, SSS10, SB14, SF14, SY12b, SCY11, SYL12, SJK11, SSX13,
SSR14, ST11a, SJH12, SC12, Sto13, SYE10, Stu10, Tak14, Tal13, TG14a,
TAT14, TGGT13, VW14b, WGX13, WV14, WZZZ14, WP10, WMYYG10,
WJTY10, WG11, WDGY10, WWS$^+$13a, Xie14a, XQXC14, XST13, XX13,
YXZ13, YZX14, Yao14, YHL13, YK12, YN10, YN14, YS13, ZN10, ZT13a,
ZFH14, ZW10a, ZOWZ10, nZzS11, ZTG$^+$13, nZzSlL14]. **equation**
[Zha10b, ZzS11, ZTL13, ZPF10, ZGSZ10, ZCS14, Zho14b, vTCL$^+$10].
equations [AK14, AP12a, AB13, ARR11, AIX10, AB11, AK12, AHOT14,
AMDR10, AMP14, ÁCB12, AN14, AN13, AAT$^+$14, ALS$^+$14, AM11, APC11,
BK11, BLQ14, BLRR11, BGR11, BGH10, BNNW11, Bér11, BN11, BN14a,
BF12, BGHM13, Boe11, BdCB11, BKC$^+$11, BWMG14, BR12b, BRVE12,
BDLGC13, BCLR10, BHL12b, BR10b, BRS10, Bre12a, BMR14, BTY14,
BJ12, CVN13, CWS13, CCGP13, CCLS10, CX13, Cap11, CVC12, CGC13,
CEK14, CJNS12, Cha13, Cha14, CS12b, CRG13, CS13, CL14b, CAH14,
CXLF14, CHZ13b, CHZ13a, CLQX13, CW14b, CS14b, CLS10, CCY13,
CRT10, CDK12, CT14, CG13b, CCG11, CMS10b, CLM13, CTSM13, CST12,
Dad12, DLNN12, DCC$^+$13, DL13c, DAEB13, DBAV14, DHH11, DA14,
DZL13, Dri10, DCL11, DAA11, DLM13c, EAG14, EH13, FPN$^+$13, FAY$^+$13,
FL11a, FJ10, FR13, FMT11a, FM13]. **equations** [FW11, FVR13, FCY13,
hGzS11, hGzSnZ12, hGzS13, Gas11, GL14, GM10b, GHM14, GG13, Gno14,
GPS10, GM14a, Gri10, Gri12a, GLWW14, GMG12, GLL14, GXS14, HH12a,
HR10, Har11, HHL11, HL12a, HKM12, HK14, HRT11, HOK10, HHGC14,
HM10, HJK14, HJZ14, HDD12, HY10, HLT10b, Hu13, HAS13, HLY11,
HLYS11, HF10, JMFO13, JU10, JKW11, JM12, JTH10, JCT11, JRTY11,
JZ13, JLC14, JN12, JTXZ12, KL12a, KM14a, KKP10, Kat14, KDS14, KJ11,
KHZ10, KG14, Kri14, KRT14, KMSS10, LN10a, LKM13, LT11a, Le 14b,

LRL10, LTCN13, LK14, LS13b, Ler14, LLZ11, LTSH10, LXY11, LX12, LP14a,
LY13b, LD14, LSW14, LS13c, LSV10, LRN13, LC14, LGE⁺13, LP14b, LW14,
LBM14, LM13, LDA10, LHMZ10, LL12b, LHV13, LL14b, LLN⁺10, LXL⁺12,
Luo13, LQB14, MZ10, MA14, MMM13, MBS13, Mar10b, MMV⁺13b, MIJ10].
equations [MMP11, MS14b, MN12, MAK14, MST14, MBA14, MMD⁺11,
MG14b, MT14a, MHGNM12, MY13, MWY14, MGN10b, MGN13, NMZC13,
NPC11b, NPC11c, NP12, NOT14, NDBG14, NEE12, NvdVB13, OK14, OA10,
OLFS13, OR10, Ols11, OBT12, OS12, PBT14, PDZ⁺14, PS12, PSM13,
PMS14, PVLT10, PGL11, PPB14, PWK11, PE10, PvDtTB⁺11, PT12,
PIN14, Pir12, PH13, Pir11, PMSM12, Pud11, PR14b, QY12, RBS12, RTS13,
RP13, RH13, RHB12, RHXQ14, RGMC13, RCvdV13, RF14a, RS11, RM12,
Sal14, SK12a, San13, SVK14, SS11, SH14, SM13, Sen13, SLGB12, Sha13,
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TY11a, TCL11, Tok11a, TT10, Ton14, TE11, TS14]. **equations**
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VWF13, VMA14, VQRD11, VBCM10, Vre14, WA12, WCM⁺14, WZ13,
WWS10, WXZ10, WPP10, WW11, WSYS12, WXY13, WW13, WD13a,
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WAM14, WP14, Wit10, WG14, WYT14, XZW11, XZWW12, XFB⁺14,
XIIX14, Xin14, XH13, XM14, XH14, XJ14, YVL⁺11, YO11, YC11, YWS13,
YK13, YF14, YHM12, YF11, ZD10, Zen11, ZS10b, ZS11, ZS12, ZRM13, ZZS13,
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equiaxed [KBTD12]. **equidistribution** [CDF11]. **equilibrated** [NB14].
equilibrium [BBF12, CVIA10, IAM⁺12, JYHT10, MM11, MF13, PWB⁺14,
RPC14, SGV13, VP10, WYS⁺11, Xin14, ZCD10, ZLCW14]. **equivalence**
[Boy11, CSK14, SSM14]. **Equivalent** [CM10, Ler14, Wen10]. **ergodic**
[YL14a]. **Ericksen** [CTSM13]. **erodible** [MGN10a]. **Erratum**
[HY11, LWD13a]. **Error** [APY14, LH10b, MM10, SHFB12, SB14, WXZ10,
WW13, WH11, AM12, Cou11, DFVY14, DBM⁺12, ETW10, FdVV12,
FVR13, GLS10, GCLS11, GBB⁺13, HHL11, HLDP14, Hic12, HA14, HT12,
HKL10, LLS11, NMT⁺12, RKM11, SBT13, SEBG12, XY14].
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GHM10b, JH12, LH10d, PSDF13, SM12b, SS14a, VKBK11, XL11].
Esirkepov [GV13]. **essentially** [CCD11b, CRT14, DB13, Fan14, FSTY14,
FCYF11, HKLY13, HWA10, IG14, JN12, LQ10b, VKL⁺13, YF14, ZS13].
essentially-bound-preserving [VKL⁺13]. **estimates**
[DFVY14, ECDB14, HLDP14, HKL10, SEBG12]. **estimating** [GMT10].
Estimation [Cam13, BJ12, EH14, EH15, EWH13, ETW10, FLM12, FdVV12,
FVR13, GHM10a, GHM10b, HMM14, HHL11, Hic12, HA14, KG13b, LA10,
LH10b, MPS⁺14, MM10, MOV12, XS15, vydCNS⁺10]. **estimators** [KS13b].
EULAG [SC13]. **Euler**
[AK14, Bal10, Bal12b, BMD⁺13, BDA14, BGR11, BN14a, BYCC14, CCGP13,
Cap11, CD13a, CS14b, CRT10, CDK12, DHN11, DDS12, Del10, DCL11,

Extending [CG13a]. **Extension**
[KBB13, LD12, LR12, Liu11b, CGP10, MHHGN14, SC13, YMS10, ZT10a].
extensions [AR14, KS13b]. **exterior**
[CT14, GH11a, GHJ14, KST13, SSM14, SY11b]. **External** [IH13]. **extracted**
[ELM14]. **extraction** [MM12]. **extrapolated** [FF12]. **Extrapolation**
[KSS14, FVR13, MCD14a]. **extreme** [Hel11a, SV13]. **extremely** [Gui12].
extremum [GW13b, SY11a]. **extremum-preserving** [GW13b].

face [PLN11]. **face-centered-cubic** [PLN11]. **faceted** [NW12]. **facies**
[CZL10]. **facing** [PBC⁺14, WZG⁺13]. **factor**
[CZ11a, GP12b, JZ13, LN10c, WZN14, ZOL⁺11]. **Factored** [LQ11].
factorization [WdHX10, BNNW11]. **factors** [YM14]. **Failsafe** [KMSS10].
failure [LX10, LLX11b]. **FaIMS** [CB12]. **families** [EZ10]. **family**
[CG13b, FE11, HPV13, KTT12, KS13a, Sen13]. **fan** [DG12]. **far**
[HW11, IK11, LLSW14, Nic11]. **far-field** [HW11, LLSW14, Nic11]. **Farley**
[DST14]. **Fast**
[BK14a, BLQ14, BS11a, BRS13, BSB14, BBPC14, DLC11, EHA14, EMS11,
EFT13, EAB⁺12, FO11, GM10b, GG13, JC13, JHF10, JFC⁺13, JMKK12,
KQ11, LSK11, LLL10, LLY11, LvZB10, LQB14, MCLG10, MSD12, PG11,
QY10, RGMC13, SBWF14, Tyg10, WD14, AAI10, AD14, ABS⁺14, BWC13,
BKH12, Bre12a, BLR14, CF11a, CB12, CCK13, Chi12, CC12, CKD10, CH14,
DH10, DV13a, DGM13, DF14, GB13, Gon12, GHL14, HM11, HSN13, HW10,
HW11, KM13, LBT11, LWD13a, LWD13b, LGG⁺13, LT10b, LT11b, LC14,
LCB12, Luo13, MCD14a, MST14, Mét11, MY13, NN12, PCF⁺13, PVDW14,
PA14, RE13, SY12a, SY14a, SH11, SV10, Tak14, TiI11, TY11b, VRBZ11,
WT12a, WD13a, WWS⁺13a, ZHPS11, Boy10, CB14, DDL13]. **fast-electron**
[CKD10]. **fast-multipole** [Tak14]. **fast-rotating** [DH10]. **Faster**
[SBB10, Gon10]. **faucet** [YFL⁺13]. **faults** [LMQ⁺11]. **FBI** [LQ10a].
FBI-transform-based [LQ10a]. **FC** [AB11, BL10, LB10]. **FCC** [PLN11].
FD [BMCK10, BMK11, BMK12, BFE12, CPJ11, FH11]. **FDF** [WPP10].
FDTD
[FL13, GV14, LY13b, LBZ⁺10, MK13, PLN11, Rem11, TD11a, WBC13].
FDV [RCCW10]. **FE** [LGLX14, SGS13, SPB⁺10]. **FE-FV** [SGS13]. **Feature**
[KWSJ11, BRP14]. **Feature-driven** [KWSJ11]. **feature-preserving**
[BRP14]. **features** [LEH10]. **featuring** [LMQ⁺11]. **FEM**
[WKL⁺14, AM12, BNP10, BSS11, CES14, DSHP11, HVD13, Hys12, LHH14,
NOT14, NvdVB13, YCY11]. **FEM/BIE** [HVD13]. **femur** [AKL⁺13]. **Fermi**
[CB11, Liu13]. **FETI** [BH13b]. **FFT**
[CP14, ES14, PVDW14, Vol14, WLL13, ZVNM10]. **FFT-based**
[Vol14, ZVNM10]. **Fibonacci** [Rem11]. **Fickian** [STD⁺10]. **Fictitious**
[CCFCM11, AF13, BK12a, BL11, GLLP14, HS13a, LB12, NB14, YBK13].
fidelity [AME14]. **Field** [CGM⁺12, AH10a, BR10a, BHL⁺13, BKH12,
BLR13a, CNR10, CL11b, DS12, Don14b, DFW⁺10, EAB⁺12, FHMS11,
GW12, GW14, GH11b, GRS14, GWG14, GMG12, GMXG14, HD13, HW11,

MKB⁺12, MDM⁺12, MMT14, MF13, MJM13, MPT13, MMJ14, MT14b,
MGN10a, MGN11, MGN12a, MGN14b, NL10, NS14a, NJ12, OP10, PSL20,
PZTW12, PZW14, PZG14, PBWK11, PBM11, PMSH10, PC13, PPWZ11,
QS11a, RBB12, RG13, RS10a, RXLS14, RHGT10, dCRCS10, RM14, SBB13,
SS13a, SGS13, SSHT14, SSS10, SHFB12, SM11b, SSG11, SHM12, Shy10, SX14,
SFWP10, SKN13b, SHA11, SHA12, SSL13, SL13b, SSY13, Tit12, TT10, TL13,
UKP14, Unf13, UGF14, VMS12, VT13, Vre11, WPKK12, WFL10, WS10b,
WSS12, WK13a, WHT14, WLW14, Wil13, WTSZ10, WC14b, Xu11, XW14,
YMLM⁺14, Zad11, ZM14, ZS14, ZYHW13, ZHY13, ZHS10, ZLH12, dPSS12].
flow-induced [SM11b]. **flow/acoustics** [KVM12]. **flowfield** [SZ11].
flowfields [RCCW10]. **flowing** [ZIOF10]. **Flows**
[LLdSC11, ABMT12, ABMT14, AF13, ABPSM11, ABS⁺14, BGGGS11,
Bal10, Bal12b, BMD⁺13, BDA14, BNM14, BDA12, BFSVC14, BCD14,
BPS14, BR11, BLR13b, BD11b, BBD11, Bre12b, BDKV14, CIJS14,
CCKCG10, CD13a, CFCA13a, CFCA13b, CS12a, CK10, CP14, CM14, CP10,
CL14b, CS10, CB10, CZ11b, CVIA10, CL11b, CJP⁺14, CRT10, CSKP10,
CC14, CCLV10, CJN⁺13, CGC⁺12, CGF⁺13, CDB13, CTSM13, DLDL10,
DM13, Del11, DLZ⁺11, DFVY14, DFNNRdlA14, DF14, DMMGM14, DS10,
DS12, Don14a, Don14b, DL10b, DLM13b, EGG12, FGR12, FF13, FK14,
FSL10, Fus13, GT12, GG10, GPCE13, GCE14, GJ14b, GITW12, GJLY13,
GVV13, GCL13, GK10, GIQ11, GDGP11, GH12b, GLL14, HRK⁺10, HLT10a,
HHA14, HKM12, Hig13, HF11, HHH13, HK13, HKL14, IAM⁺12, IG14,
JTT14, JYHT10, JH12, KKAS12, KWSJ11, KKL10]. **flows**
[KH13, KSL10, KM13, KF12, KT14, KG13a, KKO13, KRT14, KSD12,
KBB13, LP13b, LNS13, LMFH11, Lee12a, LSBJ14, LGC13, Li10b, sLwG10,
LZ13, Li13, LMGS13, LXSR12, LHB10, LFRM10, LWCR10, LWF11, LZV12,
LVZK14, LDDBR13, LHPH11, LBK10, LXS⁺13, LI14, MB13a, MS10a,
MAB⁺13, MMV⁺13b, MCA⁺13, McD14b, MGN14a, MZ11d, MWRZ13,
MDH⁺10, ML11b, Min13, MBD13, MW14a, MSB14, MLBS14, Mor10, MN14,
MLGN12, MGN12b, NHE14, NL12b, NCKN10, NMT⁺12, OAK11, OD13,
PLBR13, PL14, PPS12, PP14, PB14b, QLW14, Qua11, RK14, RC12, RPC14,
RB13, RBCK10, SRN10, SM11a, SBB13, SHR13, SF11, SHCY13, STH11,
SFCF10, SYJ11, SSHM10, SS10c, SPF10, Shu14, SW10, SC13, SCB10,
SBvdV11, SS13b, SS14b, SM10, SKR14, SST10, STC10b, Sza12, TS11,
TQW14, TSL⁺14, TSLV11, TK12]. **flows** [TK15, TBMH11, TRL14,
TVEC12, TAD14, Tyl14, ULS13, VDD10a, VP14, VRBZ11, VBCM10,
VSC⁺11, VdMS⁺14, VED13, VKBK11, VWP11, Wan13a, WK10, WYS⁺11,
WZ11, WWZ13, WZG⁺13, WP10, WS10c, WS11, XQX13, XH10, XYL12,
XR14, YDN10, YP13, YCY11, YS11a, YS11b, YCLK12, YSW⁺13, YSW14,
Yin14, Yok13, YYB12, ZA14, ZHW10, ZL10, ZFJ11, ZN14a, ZN14b, ZGSZ10,
Zho11, ZF14, ZDSP11, vRLPK11, vVVK10, vdVR12a, vdVR12b].
Fluctuating [Kea14, SBA13, UPDB13]. **fluctuation** [NWLS12, XM14].
fluctuation-enhanced [XM14]. **fluctuations**
[Atz10, Atz11, LHB10, PHSA14]. **Fluid**

WZN14, WSBG10, WP14, XPO14, XDZ$^+$14, YL11, YHM12, YYB12, ZT13a, ZS10a, ZS10b, ZS11, ZS12, ZD11b, ZDSP11, vL11, vRLPK11].
High-accuracy [KM14b]. **high-contrast**
[CEL14, EGW11, EGG12, GPCE13, GCE14]. **high-convergence** [SPM$^+$13].
high-dimensional [JAX11, LLZ14, MZ10, Val14, WZN14]. **High-fidelity**
[AME14]. **high-frequency** [AH10b, MJK13, TY11b]. **high-intensity**
[RKD$^+$14]. **High-order** [AL10, AF11, AN13, BGH10, BD13, BL10, CYK$^+$14,
CDHM11, FC13, HOK10, IG14, KEGM10, LB10, MTB10, Mig14, MSB14,
NPC11a, PPWZ11, SHCY13, SFCF10, SIDG13, UJvL10, VQVD11, Whi10,
AB12, AINF13, ANIF14, ABK13, ABJ$^+$12, BHB11, BMS12, BNT14, BS10a,
BL13, BLR14, Cap11, CDL11, DEH11, DMT$^+$11, DMM$^+$13, DSZ13, DWZ10,
FP14, GNGAS10, GBNS14, Ger12, GMC13, GCL13, HH12a, HE14, HLT10b,
HAS13, JNSA12, JZ11, Kaw13, LFL11, LSBJ14, Ler13, LXF10, LN10b,
LM14a, LLS11, LQ11, MKGV12, MN11, MIJ10, MZ11d, MZ14, MAD13,
MPT13, NMCZ14, NPC11c, NMT$^+$12, OS11a, PDSS10, PMM$^+$11, PGLT10,
PVLT10, PCF$^+$13, Per13, RZ10, RS11, SRN10, SM11b, SCY11, SDH12,
SD14c, TK12, TK15, Tit12, Tyl14, UKP14, UJ12, VWPF11, VWF13, VCJ11,
VSK10, Wan11a, WYS$^+$11, WSBG10, WP14]. **high-order**
[XDZ$^+$14, YL11, YHM12, YYB12, ZD11b, ZDSP11]. **High-performance**
[FT11, OAKR14, WD11, Wit13, Fuj11, HMOH11]. **high-precision** [IKO$^+$14].
High-resolution [LL14a, JLB$^+$10, Par12a, Shy10, WD11, vL11]. **high-speed**
[NHE14]. **high-velocity** [BDMP13, CWL10]. **High-volume** [QB14]. **Higher**
[Dai13, DCC$^+$13, MF13, MIKG12, MNL$^+$13, SGS13, BX12, FL13, FVR13,
Gen13, HAMA14, HdCNT12, Lee14b, LT14, MF10, Mön13, SK12b, SWR11,
ZF12, vdVR12a, vdVR12b]. **Higher-order** [DCC$^+$13, MF13, MIKG12,
MNL$^+$13, FL13, Gen13, HAMA14, LT14, MF10, Mön13, SK12b, ZF12].
Highly [ARR13, CLM13, DLNN12, EZ10, GHM14, HT14, LTCN13, LEHA10,
LWS14, MN12, PVDW14, SS11, WFK11, WLW13a, WW14, WJC13].
Hilliard [GXX14, GLL14, HHK13, BSSW12, BSB14, GLWW14, GGT13,
HGW11, LDE$^+$13, SJK11, WG11, ZW10a, ZTG$^+$13]. **Hilliard/Navier**
[HHK13]. **histogramming** [LSK11]. **historical** [vL11]. **History**
[CZL10, Dai13, vHtTBC11]. **HLL**
[BBD14, Cap11, Guy13, MGN12a, Rie10, SLH$^+$11]. **HLLC**
[Bal12b, BDA14, KB14, MGN12a, TT10]. **HLLC-type** [TT10]. **HLLD**
[OLPM14]. **HLLE** [Bal10]. **HOC** [GC11, GCZ13]. **Hodgkin** [AN13].
Hoekstra [XS15]. **Holm** [SCY11]. **homo** [JJM13]. **homo-oligomerization**
[JJM13]. **homogeneity** [iIT14]. **homogeneous**
[AJ14, CSKP10, LE12, OTV13, STH11, SVS11, She13, TG14b].
homogenization [AB12, ZVNM10]. **homologous** [EHA14]. **homotopy**
[HHS$^+$13]. **Hoover** [CWC11]. **horizontal** [EEK14]. **Horizontally**
[WLW13b]. **host** [BRS12]. **hot** [CM10]. **hp**
[Alm14, BSS11, DSHP11, LSW14, WZZ14, vdVR12a, vdVR12b]. **hp-Cloud**
[Alm14]. **hp-convergence** [WZZ14]. **hp-discontinuous** [LSW14]. **hp-FEM**
[BSS11, DSHP11]. **hp-Multigrid** [vdVR12a, vdVR12b]. **HPC** [SF14].

ice-sheet [PTM13]. **ice-shelf** [PTM13]. **icosahedral**
[iIT14, IX10, PB13a, Pud11]. **ideal**
[BD14a, CLQX13, CRT14, HRT11, LXY11, LX12, SZH12, SIDG13, YVL+11].
IDeC [NS11a]. **identical** [CBGK13]. **Identification**
[AGS10, BLM11, Kaz10, BCB12, BBF12, PM14]. **identities** [AINF13]. **IDO**
[OAK11]. **II** [HH13, AP12b, ABK13, BHS14b, CHZ13b, DL13b, HH12a,
JPC+14, KJWR14, LR12, LEH12, LB10, Nis10, PZG14, PRA13, SV13,
SYY14b, YS11b, ZWL+12b, vdVR12b]. **III** [NL12b, Tyg10, UGkM13]. **ill**
[CBPS13, JZ10]. **ill-conditioned** [CBPS13]. **ill-posed** [JZ10]. **ILU**
[EL11, GM12b]. **image** [DXB+13, YCH+13]. **image-based** [YCH+13].
imaging [DR14, HMM+10, NLGL14, Par12b]. **imbalances** [SSR+13]. **IMC**
[LGP14]. **IMEX** [LKLG14, GBNS14, KKLR10, KG14, Par10, WLW13b].
Immersed [FRP14, PNPF10, ABD14, ADSF13, BBGP14, BF13, Bre12b,
CKS14, CHC11, CFKL11, CB10, CLS10, DP12, DGF14, FDHP11, GGH14,
GF13, GH10, HL12b, HDD14, HKL14, HCS11, HCS12, HW14a, JYHT10,
JMW12, KKP10, KSR+14, KF12, KLP10, KL10a, KLPS14, LT10a, LGP10,
LKCY11, LY13a, LL12a, LSZ13, LH14b, MRD13, MVS13, MDH+10, MZB12,
NTV14, SM11b, SM11c, SSC13, TLZ+11, TH14b, WZ11, WS10c, WYC13,
Xu11, YS12a, YFL+13, ZF12, ZF14, CF11a, GCBH10, GCBH13].
Immersed-boundary [PNPF10]. **immersion** [WY11]. **immiscibility**
[TFP13]. **immiscible** [Hys12, LRT13, dv23]. **impact**
[BDMP13, BN13, CWL10, KSU13, LL10a, SKU13, SDH12, Zoh13]. **imparts**
[BRVE12]. **impedance** [GJ14a, IK11, Lee14a, LHH14, SP11]. **implement**
[SdAW14]. **Implementation** [AM12, HE14, LTC10, LPE+11, MF10, WLL13,
BMD+13, BB13, BILM14, BERB+12, BDMV11, CFCA13a, CFCA13b,
CNSFD13, CCB12, CDB13, FDHP11, FL13, GM12b, MTAC12, SLT+14,
TWSN12, TPA+13, VWP11, WFK11, WD13a]. **implementations**
[Ket10, NWLS12, OAKR14, Pri14]. **Implementing** [VSK10]. **Implicit**
[DE14, PVLT10, PP14, SS12, Tit12, VF10, WLW13b, AV13, ASB10, BK11,
Bea12, BSB14, CCD11a, CCB13, CCB11, CZ11a, CCB12, CC13, CCL+14,
CPCU13, CP13b, CGP10, Cui12, DTG+14, DDF14, Den11a, DFFL10,
DHH11, DGAH10, Fal13, FP14, Gen11, GMA10, GM10a, Gho17, GJ11,
GMG12, HS13a, HL12b, HA11, Ian11, Jar12, JKW11, JSA14, JZ13, KK10a,
KKvZB14, KGKS13, KG11, KTT13, KHHK12, Kuz14, Lan14, LXM14,
LGP10, LY13a, LX13a, LXL13, LGP14, LL10b, MF14, MVCFM13, MBD13,
MT14a, MTAC12, MN14, NYM13, NMCZ14, NPC11a, NPC11c, NDBG14,
OM12, PGLT10, PGL11, PWB+14, PP12, RS10a, RGMC13, RPC14, SS10a,
SZF12, SPB+10, SH11, SSHM10, SR13c, SK12b, SKt10, SN13b, TDU14,
TBR13, WXY14, WMYYG10, WG11, WC14b, YVL+11, YC11, nZzS11,
ZOL+11, ZYS14, LKLG14, Den11b]. **Implicit** [SPS14]. **implicit-Euler**
[LX13a]. **implicit-explicit**
[AV13, FP14, KHHK12, RGMC13, SSHM10, LKLG14].
implicit-macroscopically [PP12]. **implicit/explicit** [KK10a].
implicit/implicit [SKt10]. **implicitly** [LKM13, YW13]. **implosion**

[JNW$^+$14]. **Importance** [DKH11]. **imposition** [UGF14]. **imprecise**
[DMP14]. **imprinting** [PB13a]. **improve** [CS14c, CM13, DMP14, XCL14].
Improved
[AA13, BV13, CWL10, GP13, iIT14, MS12, MGN11, Rot13, SM12c, Stu10,
WW14, ADMA13, HKLY13, HCS11, KF12, PA14, SM11c, SY12b, SCC14,
SLH$^+$11, TR12, VXB14, WZZZ14, WTK14, WS10c, YZ12, YYB12, ZJW12].
Improvement [Ren11]. **Improvements** [PGA11, Nor13]. **Improving**
[GHM10a, LTS$^+$10, FSTY14, GHM10b]. **impulse** [TR12]. **impulsive**
[Jin12, LXSR12]. **in-order** [KH11]. **Including**
[CLG13, Gen11, Gho17, BBC$^+$13, BD14c, DLM13b, Ger12, KM11, MGN12a].
inclusions [Par12b, SBA13, SLC$^+$11]. **Incompressible**
[BHS14a, BHS14b, LXSR12, ZMD14, APF13, BMP14, BNNW11, Boe11,
BD11b, CIJS14, CCKCG10, CEP12, CP10, CXLF14, CB10, CLS10, CL11b,
CJN$^+$13, CDB13, CdCD12, DLZ$^+$11, DP12, DF14, DS10, DS12, Don14a,
Don14b, DKC14, EQYF13, FW12, FSL10, GLL14, HRK$^+$10, HOK10, HF11,
HHH13, JM12, KKAS12, KGG10, KKO13, KRT14, LDM14, LSBJ14, LVFK14,
LMGS13, LLP10, MBS13, MDH$^+$10, ML11b, Min13, MSB14, NPC11c,
NL12b, NvdVB13, OA10, OP10, OM12, OS12, PMSH10, QS11a, RP13, RC12,
RCvdV13, RHGT10, SS13a, SK12a, San13, SVK14, SHCY13, SLI10, STH11,
SFCF10, SR11, SY11c, SHA11, SSL13, TY11a, TVEC12, Tyl14, VBCM10,
Vre11, Vre14, WZ11, WSS12, WS10c, WTSZ10, WS11, XIIX14, XQX13,
YCLK12, YSW14, Yin14, ZA14, ZBS12a, ZBS12b, ZHS10, ZWH$^+$12, VV13].
incompressible/compressible [CP10]. **Incorporating** [CPJ11, YYY$^+$14].
Incorporation [Mel11]. **incorrect** [OJ11]. **increase** [Ide12]. **incremental**
[LEM11]. **indefinite** [RVbZ10]. **independent**
[IH13, MSTL13, PMF13, RWX11, RB13, Sog14b, ST11a, ZHPS11]. **index**
[CK11, MM12]. **indicator** [FSTY14, HKLY13, VR14]. **indicators** [LQ10b].
indifferent [GK14]. **Individual** [AKL$^+$13]. **Individual-specific** [AKL$^+$13].
Induced [SCB10, SM11b]. **induction** [RKGM14]. **inductionless**
[BMP14, PBC11b]. **inelastic** [SSX13]. **inequalities** [BSS12, BSB14].
Inertial [NvdVB13, UPDB13, Dai13, Le 12, OTV13, TTR$^+$12, WCM$^+$14].
Inexact [NPV14]. **inextensible** [AELV14, FBM14, KL10a, RVB10].
inference [BND$^+$12, EM12, JZ10, Val14]. **infiltration** [GCFJ13]. **infinite**
[BS10a, HVD13, YD11, Yin14]. **infinitesimally** [YTYJ12]. **inflammation**
[SMF$^+$13]. **Inflow** [GHM13, GCA13, JCT11, JLC14, LDS11]. **Influence**
[LTC13, DOR10, HDPF11, Liu11b]. **influence-matrix** [Liu11b].
information [FF13, RKM11, ZFJ11]. **Infrared** [HMOH11].
inhomogeneous
[CKD10, LP14a, LRBT14, LQB14, PVDW14, SFCF10, YB14, ZTL13]. **initial**
[GHM13, LWS14, LN14, MBS13, PBB14, RKM11, SN14, hT10b, Vai11,
WLW13a]. **initial-boundary-value** [SN14]. **initialization** [FB11, MD14].
initio [SD14a]. **injection** [VDD10a]. **inner** [Zho10]. **inner-outer** [Zho10].
input [MZ11a, WZ14]. **inputs** [DO11b, KL14a]. **insect** [NL12a]. **Insights**
[VCJ11]. **insoluble** [XYL12, XR14]. **Inspection** [Gas11]. **inspired** [RP13].

instabilities [CDT13, KL12b, SGC13, SHCY13]. **instability**
[CF11b, DST14, DWZ10, DE14, GV14, HDPF11, Kwo14, MMSI13, MJ13b,
VGCMG11, VCS14]. **instationary** [vVVK10]. **integral**
[AH13a, AST13, AN14, BG10, BR10b, BRS10, Bre12a, BG12, BL13, CC12,
CGMQ14, CGS13, Dri10, FHMS11, Gen13, GK13, GMC13, GHM14, GL12b,
HK14, HHGC14, JM12, JRTY11, JKQ13, KS11c, KQ11, KTT13, KG12b,
KNR11, Le 14b, Li10a, LL12b, LL14b, MST14, PSL20, QA11, RVB10, SRS10,
SC11, Tak14, WJC13, XW10, YW13, YHM12, ZN10, ZIOF10]. **integrally**
[Dri10]. **integrals** [BG13, KM14b, Men12]. **integrate** [Mar10a]. **integrated**
[MDTC11, MDTC13]. **integrated-RBF** [MDTC11]. **Integration**
[SGW10, AVKP11, Ala14, AMP14, CZ11a, CP13b, DCC⁺13, GL14, GAW⁺14,
Gui12, HCP10, Ide12, JLZ13, JZ13, KK10a, LKLG14, LCK11, LN10c, MF12,
MYM12, MNS13, NT14, RH13, SdAW14, TQW14, WZN14, Web14, YVL⁺11,
ZJS15, ZOL⁺11]. **integrations** [SKW14, ZHS10]. **integrator**
[AV13, BM10b, CTP13, HT14, LHK12, TLG10, TAAY14]. **integrators**
[BRVE12, CK11, CMO4, CHHS11, GNGAS10, GBNS14, HDHZ13, KHZ10,
ML14a, OBTC⁺13, WWS13b]. **integrin** [JJM13]. **integrin-ligand** [JJM13].
integro [Dri10, YXZ13]. **integro-differential** [Dri10, YXZ13]. **intensity**
[RKD⁺14]. **inter** [RE13]. **inter-scale** [RE13]. **interacting**
[AD14, OTV13, VSC⁺11]. **interaction** [BK12a, BC10a, BW13, BBGP13,
BCG⁺13, CKS14, Deg11, DG12, DGAH10, DEKBF14, FL14, FRP14, FG12,
FP14, GCBH13, HCS11, IBO14, KVM12, LS13a, LJG14, MMH12, NL12a,
NPV14, OM12, PB11, Ric13, RMSF11, SZ11, STC10a, SM12c, TLZ⁺11,
TDL⁺14, Unf13, VRB10, WY11, WYC13, WC14b, ZF12]. **interactions**
[Atz11, CHC11, CKD10, DXB⁺13, GM12a, GKF11, HRBK10, Lap11, PHSA14,
RUL⁺13, RZ10, RKD⁺14, RWMG11, WKL⁺14, YL11, YS12a, YBK13].
Interactive [BGBR12]. **Interconnect** [DL10a]. **interconnecting** [XJ14].
Interface [DK14, FS10a, SS12, AELV14, Ala14, Ald10, BB12a, BHS14c,
BH13b, BB13, Bea12, BR12a, BF13, CN12, CDT13, CW10, Deg11, DjY14,
DFD14, EC13, ELM14, FG12, FK14, GMB10, Gao13, GW11, GK14, GGT13,
HHA14, Her10, HS13b, HDD14, HSWZ13, IST⁺12, IXX14, IKO⁺14, JSA14,
JLZ13, JH12, KK14, KSU13, KKP10, KT14, KTT13, KGSS10, LP13b, LL12a,
LSZ13, LFRM10, LH10d, LZZR10, MW12, MNR11, MRD13, MDH⁺10,
Min13, MZB12, MWW⁺13, NZ14, NKF14, OD13, Qua11, Sam14, SN13a,
SM11c, She13, SKCC10, SCC14, SPF10, Shu14, SX14, SHA11, SHA12,
Sog14b, SS13b, SS14b, SdAW14, SD14c, TSLV11, TFP13, WS10b, WK13a,
XZWW12, Xu11, ZCD10, Zha10b, ZLH12]. **interface-aware** [BHS14c].
interface-capturing [JH12]. **interface-enriched** [Sog14b].
interface-immersed [HDD14]. **interface-tracking** [BR12a]. **interfaces**
[BF14, BD10b, BWC11, BvBZ⁺10, BDH13, DvW14, GGH14, GL12b, GHL14,
HWST12, HLZ14, HWW10, ID10, KL10b, NZ14, PS14a, PS15, PJCS14,
UGkM13, XZW11, ZL10, ZJL⁺14, Zha10b]. **interfacial** [AT13b, BS10b,
CDT13, CL14b, CZ11b, Fuj13, NCKN10, SSHT14, WZT⁺14, ZYF⁺10].
Interferometer [HMOH11]. **Interior**

[HLY11, DL10a, EGL$^+$13, JMKK12, LRL10]. **Interlocked** [Mét11]. **intermediate** [PDC13]. **internal** [Bal14, BL11, CGJ11, JYHT10, PLBR13, VED13]. **interpolated** [CLS10]. **interpolating** [dlLPCP12]. **Interpolation** [GM11b, GWCA14, LB14, WG14, BR10a, BBC$^+$13, BRSS11, BY11, CEGG14, CJM13, DSHP11, FS10b, KBRM12, KM14b, sLwG10, LSVW10, LCB12, LBS10, Mar10a, MSD12, PDSS10, dCRCS10, Soa13, Tak14, XY14, ZZB14]. **Interpolation-based** [WG14, Tak14]. **interpolations** [LTC10]. **interpretation** [ABPSM11]. **interpretations** [ANIF14]. **interrogation** [LFRM10]. **interval** [LJ13b]. **intrinsic** [Atz10, OLC13]. **Introducing** [ZA14]. **introduction** [CMO14]. **Intrusive** [TLNE10, AC13, NV14, PL12]. **invariance** [Del14, SS14a, WC11]. **invariant** [BN14b, LJ13b, WZT$^+$14, ZS14]. **invariants** [SGL14]. **Inverse** [DR14, IK11, Lee14a, TS10, WKMJ13, AS14, CNR11, CLN14, CB12, CXZ10, CV10, EWH14, FY13, GJ14a, IWG13, IJZ13, JR12, Jin12, KL11a, LLZ14, LLW14, Mét11, MB10b, TWSN12, WdHX10, WK13b, YLW10, ZM14, HG10]. **inversion** [LWD13a, LWD13b, OBNN13, OBNN14, WLPG11]. **investigation** [CIJS14, CG13b, LRT13, OLFS13, Ste14, dv23]. **investigations** [Ian11, PPTMDK13]. **inviscid** [ALR11, CCLS10, CF11b, LLX11a, NHE14, SLI10, TS11, YSW$^+$13]. **invisibility** [FGE11]. **involving** [DLC11, DS12, FK14, GBB$^+$13, TDL$^+$14]. **ion** [AiINT14, BGGW13, BHBM10, HH12b, HH13, LTC14, MTSG12, PMS14, Tok11a, ZCW11]. **ionic** [CEK14]. **ionization** [CCMG$^+$13, KM11, MPPP12b, MPPP12a]. **ionized** [Gio10, KA12, PMS11, PSM11, PSM13, PMS14]. **ionosphere** [TRSMM$^+$13]. **ionospheric** [DST14]. **ions** [LH13]. **irregular** [AAI10, AT13b, BvBZ$^+$10, GM12b, HG11, HWST12, JMGN13, MTG11, SR11, TDVG13, Tsu10, WTYC13, ZYT13, ZWH$^+$12]. **irregularly** [BH13c]. **ischemia** [WKMJ13]. **Ising** [KO12, LWZ$^+$13, MMM11]. **iso** [GRS14]. **Isogeometric** [ABKF11, BAB$^+$13, BLA$^+$14, BSV14, EH13, LDE$^+$13, BGGW13, BA10, CRS12]. **isoparametric** [VQVD11]. **isoperimetric** [WG11]. **isothermal** [LGE$^+$13, PL14]. **Isotropic** [SG14, TAAS13, BCL14, GHM12, MS14b, OBT11, OTV13, WWX$^+$10]. **Issue** [Ano13-41, Ano13-42, AQ11, Ano10-49, Ano10-50, Ano10-51, Ano10-52, Ano10-53, Ano10-54, Ano10-55, Ano10-56, Ano10-57, Ano10-58, Ano10-59, Ano10-60, Ano10-61, Ano10-62, Ano10-63, Ano10-64, Ano10-65, Ano10-66, Ano10-67, Ano10-68, Ano10-69, Ano10-70, Ano10-71, Ano10-72, Ano11-43, Ano11-44, Ano11-45, Ano11-46, Ano11-47, Ano11-48, Ano11-49, Ano11-50, Ano11-51, Ano11-52, Ano11-53, Ano11-54, Ano11-55, Ano11-56, Ano11-57, Ano11-58, Ano11-59, Ano11-60, Ano11-61, Ano11-62, Ano11-63, Ano11-64, Ano11-65, Ano11-66, Ano12-36, Ano12-37, Ano12-38, Ano12-39, Ano12-40, Ano12-41, Ano12-42, Ano12-43, Ano12-44, Ano12-45, Ano12-46, Ano12-47, Ano12-48, Ano12-49, Ano12-50, Ano12-51, Ano12-52, Ano12-53, Ano12-54, Ano12-55, Ano12-56, Ano12-57, Ano12-58, Ano12-59, Ano13-33, Ano13-34,

Ano13-35, Ano13-36, Ano13-37, Ano13-38, Ano13-39, Ano13-40, Ano13-43].
issue [Ano13-44, Ano13-45, Ano13-46, Ano13-47, Ano13-48, Ano13-49,
Ano13-50, Ano13-51, Ano13-52]. **issues** [MA13, NMT$^+$12, VLM13]. **Itô**
[HHGC14]. **iteration** [ADMA13, BK11, CXZ10, Par12b, ZCS14]. **Iterative**
[BHK$^+$10, CJ14, SSS11, ZRM13, AH13a, AK12, CBPS13, CGJ11, DL10b,
EMS11, EWH13, HJ11, HKJ11, HL12a, JMW12, JHDC10, JMKK12, LSE13,
LYJ14, LGP14, LTL11, MP13, PL12, RT14, Ren11, RVbZ10, Sha13, SS14c,
SV10, Tok11b, WD13b, WTK14, XH13, YD11, YM14, Yao14]. **Ito** [ZYLK13].
IV [ZMD$^+$11].

J [ASS17, CFCA13a, Dav15, Gho17, HY11, LWD13a, NHT$^+$13, OBNN14,
PS15, SYV17, SS14b, TK15, XMDG14, YKWS13a, ZJS15]. **Jacobi**
[And13, CW14b, DBAV14, HWHW10, LP14b, YO11, YM14, ZQ13].
Jacobian [LFLV14, BDTW10, CTP13, GL12a, Han11, LTS$^+$10, LPE$^+$11,
LKT$^+$12, LvZB10, PMMB14, SV13]. **Jacobian-free** [LFLV14, BDTW10,
CTP13, GL12a, Han11, LTS$^+$10, LPE$^+$11, LKT$^+$12, LvZB10, PMMB14].
Jacobians [RPC14]. **Jameson** [AGBC14]. **Jameson-Schmidt-Turkel**
[AGBC14]. **JCOMP** [MPPP12b]. **Jenny** [Dad12]. **jet** [SSS11]. **jet-noise**
[SSS11]. **jets** [CMS10a, SY12c]. **JKD** [BCL13]. **joint** [BND$^+$12, VK12].
Jones [KM14b]. **Journal** [Dad12, EH15, HSK$^+$15, XS15, Try12]. **JST**
[AGBC14]. **jump** [KMHJ10, MNR11, ZL10]. **jumps**
[FGR12, FMT11b, MP13]. **junction** [Li13]. **JVIE** [PVDW14].

KADATH [Gra10]. **Kalman** [BGM12, GLM14, HMM14]. **Kantorovich**
[CDF11]. **Kapila** [KK10c]. **Karhunen** [PSDF13]. **Kelvin** [CF11b, Gri13].
Kendall [Tan11]. **Kernel** [MZ11a, HD13, HK14, YXZ13, YW13, ZHPS11].
kernel-free [YW13]. **kernel-independent** [ZHPS11]. **kernel-split** [HK14].
kernels [MSD12]. **kind** [JRTY11, JKQ13, KS11c, PSL20]. **kinematic**
[LLJ10, MMHA$^+$12, WT12b, WSW13]. **kinematic-wave** [WT12b].
kinematics [NW12]. **Kinetic**
[ABPSM11, DBO$^+$10, MSS$^+$14, ZGSZ10, AP11, AP12b, AHOT14, AKP$^+$12,
BWMG14, Cha13, CJLC11, CXLC12, DDM10, DL13a, DL13b, ES13b, FJ10,
FR13, GCA13, GJLY13, GH12b, HAD10, KA12, KHJ$^+$13, KGK13, KSB14,
LE13, LXF10, LLX11a, LYXZ14, MMM11, MOV12, Mie13, Mit13, NKSR12,
OAXL13, PZTW12, PLT14, SBC$^+$14, SR13a, SLI10, Sza12, TDU14, VCS14,
XH10, XX13, YSW$^+$13, YSW14, YF11, ZA14, ZKV10, Lip12, MHL$^+$14].
kinetic-fluid [DDM10, GJLY13, KA12]. **kinetic-moment** [GCA13].
kinetics [DR11, LRS10, NS14a]. **Klein** [BB12b, VBSK10, VW14b]. **Kleiser**
[Liu11b]. **knife** [AV13]. **Knudsen** [FF13]. **Kohn**
[LSE13, FGZ12, LLYE12a, LLYE12b, MNL$^+$13, SL13a, SBO11, ZCS14].
Kolgan [Rod12, vL11]. **Korteweg** [LGE$^+$13, YHL13]. **Krause** [YWS13].
Kronecker [GHDS10]. **Krook** [MWRZ13]. **Krylov**
[YJK12, AD14, BDTW10, CFW$^+$13, CGG12, CZ11a, CCL$^+$14, DRZ14,
GL12a, Han11, JZ13, LTS$^+$10, LPE$^+$11, LKT$^+$12, LFLV14, LvZB10, LL10b,

MS10a, PMMB14, SEDW13, TS14, ZD10, vVVK10]. **Krylov-based**
[CCL$^+$14]. **krypton** [KM14b]. **Kullback** [BK12b]. **Kutta**
[MBA14, WLW13b, AV13, BMD$^+$13, BGR11, BR11, FP12, Ian11, KKvZB14,
Ket10, KHHK12, Lan14, LP14a, LLH10, NYM13, NMCZ14, NDB12, RT14,
RHXQ14, RA10b, SK12a, San13, SLT$^+$14, SK12b, Tok11b, TD11b, TD12b,
WS10b, XCL14, ZT13b, ZS13, ZZSQ13, vdVR12b]. **Kutta-Legendre**
[MBA14].

L [EH15, XS15]. **LABSWE** [Zho11]. **lacunae** [PT12]. **laden**
[Bre12b, CD13a, KF12, KBB13, MB11, VdMS$^+$14, ZF14]. **lagged** [SS10a].
Lagrange [BCD14, CD13a, RHGT10, Wal13]. **Lagrange-remap** [BCD14].
Lagrangian [HAQ12, Ald10, AH10a, Atz11, BHS14c, BAB$^+$13, BLA$^+$14,
BBG$^+$11, BR12a, BRSS11, BD14b, BBD14, CK11, CdCNH14, CS12a, CEP12,
CS10, CS14a, CS14b, CGMQ14, CDLL12, CSC14, CMS10b, Del11, DL12,
DKR14, DF10a, ES13a, GT12, GIQ11, GH12b, GQ13, HLM11, Her10, IL11,
Ion13, JZ11, JGZL14, KBS14, KD10, KS12, KS14, LNU10, LGF11, Li13,
LHB10, LS10b, LSVW10, LMS$^+$10, MAB$^+$13, MRD13, MVS13, MVG$^+$12,
MKB$^+$13, MLBK14, MV13, MHGM14, OS11b, OS14, PRA13, PB14a, QC10,
QS11a, QS11b, RSS12, RS11, SSB13, SZF12, Sco12, SYL10, SB12, SP14b,
TS12, TBR13, VW14a, VXB14, VMA14, VBCM10, VSC$^+$11, VdMS$^+$14,
Wan10, WPP10, WYS12b, WD11, WYC13, XQXC14, ZS14, Zer10].
Laguerre [Sal14]. **Lamb** [GP13, GD13]. **laminar**
[LH10b, RK14, TAD14, Tyl14, vVVK10]. **Landau**
[JY11, RSS10, SV13, TAT14]. **Lane** [xLqW13]. **Langevin**
[BRVE12, DCC$^+$13, HT10a, KJC13]. **Langevin-like** [BRVE12]. **Langmuir**
[MCJ14]. **LANGUAGE_ED** [Ano12-31, Ano12-33, Ano13-31, Ano13-32].
Laplace [BR10b, FCY13, HLW13, SF14, SYL12]. **Laplacian**
[Ost10, TAAS13, TDL10]. **lapse** [BLM11]. **Large**
[BA10, Hel11a, LT10a, OBT11, OAK11, SZ10, SSK$^+$12, And10, ADSF13,
BGGW13, BPS14, DV13b, DS12, Du11a, DSZ13, ES13a, FGR12, Fat10,
FMT11b, GLSC12, GW10, HA11, JLS$^+$14, JK10, KSL10, KSB12, KEGM10,
LFL11, LG14, LS10a, LBRA$^+$13, MS10a, MS14a, McD14b, MHGNM12,
MMH12, NW10, NNS11, OAKR14, OL13, PGLT10, dlLPC10, dlLPCP12,
QL11, QL12, RG13, SFCF10, TDL$^+$14, TRL14, VKBK11, WDP$^+$14, WIJ13,
XDZ$^+$14, YB14, Zho10, CP13a, Den11a, MDH$^+$10, MHHGN14].
large-displacement [MMH12]. **Large-eddy**
[OAK11, BGGW13, DV13b, GW10, KSL10, KSB12, MS14a, McD14b, OL13,
dlLPC10, dlLPCP12, RG13, SFCF10, TRL14, Den11a, MDH$^+$10].
Large-scale [OBT11, SSK$^+$12, LG14, LS10a, MS10a, OAKR14, XDZ$^+$14].
large-sized [JLS$^+$14]. **laser** [CCMG$^+$13, CKD10, CBCM$^+$11, DGAH10,
MdVBS13, RKD$^+$14, SSR14, VGCMG11, YXD$^+$14]. **laser-matter**
[RKD$^+$14]. **laser-plasma** [CKD10, CBCM$^+$11, DGAH10]. **late** [OMCO14].
lateral [KJ11]. **Lattice**
[CSB14, CLAL14, LL10a, LVZK14, MB10a, SMP$^+$13, WZG$^+$13, YN14, Zho14a,

APGL12, BBAP14, BSDM12, CB11, CLZ12, CHKT13, FSL10, Gil13, Gra14,
GWCA14, HE14, HW14a, HHL14, HW14b, HCM10, IF10, JYHT10, KH13,
KMA13, KJC13, LMLC12, LRT13, LMK13, LZC⁺13, LZV12, MD13, MS14a,
MZ11d, MZ14, ML11b, NSA11, NKSR12, PPB14, RK14, RS10a, SSC13,
SS14a, TAAS13, TLZ⁺11, TRL14, VMS11, VMS12, VS14, VM10, WK10,
WZT⁺14, WC11, WS10c, WS11, XS13, YYY⁺14, YZ12, YN10, ZGSZ10, ZF14,
dv23, vTCL⁺10, CL13, Del13, Del14, FRP14, Mel11, MVS13, SHFB12, VS11].
Lattice-Boltzmann [CLAL14, MB10a, GWCA14, MD13]. **lattices**
[CCC12, Del14, GM10b, KGKS13]. **law**
[DMT⁺11, GLL14, HLLW11, MN11, DMM⁺13, PSM11]. **laws**
[BMS12, Bal12b, Bal14, BK14b, CCD11b, CCK13, CDL11, CLS13, DZLD14,
EFT13, Fan14, FCN⁺13, FC13, GAV13, GPP11, HHS⁺13, HAH14, IDNG13,
JS13a, Kri10, KL12c, LRLL11, LR12, MSS12, MNS13, MLM12, NF12,
Par12a, PYK10, QL11, QL12, RSS13, SABH11, SHZ13, TS10, TWSN12,
hT10b, XLD⁺11, XCL14, ZS10a, ZWL⁺12a, ZWL⁺12b, ZLCW14]. **Lax**
[CCK13, FY13, GL14, HSZ10, HLZ13, LQ11, TS10, TWSN12]. **layer**
[AKMD14, BBCH⁺12, BS10a, CCD11a, CVI⁺13, DLC11, DWZ10, Dur14,
FL13, KKS13, KBGO13, LH10a, LBT11, LMQ⁺11, MMSI13, MBL⁺14,
MMIW14, NMZC13, NMCZ14, SF12, SDH12, WQCS13]. **layered**
[AN14, ABS⁺14, CC12, Dur14, HNS12, Li10a, LTC14, STD14].
layered-media [AN14]. **Layers** [MJ14, BDT10, FL14, HJK14, KAA12,
LN10a, Man12, MSTL14, RVbZ10, RS10b, SSM14, XS13, Zen11, vDS12].
LBM [XS11, XMS12]. **LCP** [CVN13]. **leads** [BK11]. **leak** [GF13].
leak-proof [GF13]. **leaky** [YFL⁺13]. **Leap** [HT14, SWX12]. **leap-frog**
[SWX12]. **leaping** [FWP13, YR13]. **learning** [Phi14, RKM11]. **Least**
[ADB14, CD13b, CXLF14, OS12, ABL⁺11, BS11b, HGW11, HMM⁺10,
HY09, HY11, JMFO13, NOT14, PR11, WHB14]. **Least-Squares**
[CD13b, OS12, HGW11, HMM⁺10, HY09, HY11, NOT14, PR11].
least-squares/finite [HGW11]. **left** [LS13a, MNKS13]. **Legendre**
[MBA14, KGG10, Ols12, QZM⁺12]. **Leibler** [BK12b]. **length**
[CG13a, Cou11, JR14, KS13b, Qua11]. **Lennard** [KM14b]. **LES/PDF**
[VWP11]. **LES/RANS** [XJ12]. **Leslie** [CTSM13]. **less**
[IK11, LD12, OBT11]. **less-than** [LD12]. **Letter** [HAD10]. **Level**
[CKS14, CLW10, CV10, ILM⁺13, RB14, ZLL10, ABD14, BOD11, BW13,
BH13b, BILM14, BV14, BGG12, CCFCM11, CP12, CZL10, CWL10, CF11c,
CKR14, DCVM11, ELM14, FB11, HZ11a, HMS10, HCS⁺10, HQL⁺10, Hys12,
JCC14, JS13b, KAFB11, LSM14, LP13a, LDM14, LWF11, LZZR10,
MCLG10, MD14, Min10a, MSS12, MHGM14, NRS10, NW10, OP10, OD13,
PHRG13, SOG14a, SM11a, Sam14, SN12, Sha13, SJ10, SKR14, SS14c,
VDD10a, VB13, WABI11, WSS12, WJTY10, WZ10, XYL12, XR14, YYY⁺14,
YL14b, ZT10a, fZlC11, ZWL10, ID10]. **Level-set** [CLW10, ZLL10, BOD11,
BGG12, CB10, MCLG10, TVEC12, XYL12, XR14, ID10]. **level-sets**
[ABD14]. **Leveraging** [WTK14]. **Leverett** [MJM13]. **Levin** [STD14]. **lid**
[MAPP13, RTS13]. **lid-cavity** [MAPP13]. **Lie** [CMO14, CHHS11].

[DKW10]. **Markov** [KSS14, LC13]. **Mass**
[PvDtTB$^+$11, vV12, APF13, APGL12, ABS$^+$14, BK12a, BNT14, BRS13,
GGH14, GK14, HSK$^+$15, HHL14, IL11, KJ11, LJX$^+$14, LSVW10, LJG14,
MGJZ10, PP14, SN13a, SM11c, SLI10, SWR11, TS12, Zad11, Zer10].
mass-conservative [HSK$^+$15, SN13a, Zad11]. **mass-conserving**
[HHL14, TS12]. **Massive** [ARF12]. **Massively**
[AJG$^+$13, NIN$^+$14, HOK10, ITO$^+$10, MMM13]. **Massively-parallel**
[NIN$^+$14, ITO$^+$10]. **MAST** [AST12]. **MAST-edge** [AST12]. **master**
[HLDP14, JU10]. **Matched** [MJ14, CVI$^+$13, Dur14, FL13, GW11, HJK14,
KKS13, KAA12, LH10a, LN10a, NZ14, SSM14, SF12, Zha10b, ZLH12].
matching [CZL10, KIG11, SCIE14]. **Material**
[ZMG11, AT13b, BP13b, CW10, CS14a, CJP$^+$14, FGR12, FAY$^+$13, FK14,
GMB10, GL12b, GHL14, JLZ13, JH12, KSU13, KBSV14, KGSS10, KS12,
KS14, LX13b, MGJZ10, MMHA$^+$12, SSHT14, SC10, Wan10, XZW11, ZJT10].
materials [AJV11, ASGW11, BM13a, DLC11, DFW$^+$10, GG13, HBZL14,
SSB$^+$12, ZBS12b]. **Mathematical** [SY11b, BBGP13]. **Matlab** [KA13].
matrices [AM13, And10, DS12, SY14a, SHZF12, ZT10b]. **Matrix**
[Opp13, RJG10, WIJ13, Boy13, Brü13, DB12, HP13, HHGC14, HPLS10,
HWW10, IFD$^+$12, Kim13, LTSH10, LWD13a, LWD13b, LLY11, Liu11b,
OM12, SR13c, WT12a, YS12b, SBN12]. **Matrix-free** [WIJ13, OM12].
matrix-vector [LLY11]. **matter** [RARO13, RKD$^+$14]. **matters** [LG14].
maximization [AETT11, EHA14]. **Maximum** [ZZS13, FLM12, MT13,
NMV13, RPA13, Rot13, VL14, XQX13, XQXC14, ZS10a, ZY13].
maximum-entropy [FLM12, MT13, RPA13].
Maximum-principle-satisfying [ZZS13, ZS10a]. **Maxwell**
[Wol12, AAT$^+$14, AM11, Bér11, CWS13, CXZ10, CAH14, CCZ14b, CCY13,
DDS12, DLC11, DZL13, DTYY14, EAG14, GG13, HR10, HJK14, HJZ14,
HLY11, HLYS11, JMFO13, KHZ10, LRL10, LLP14, LY13b, LSW14, LBM14,
NPC11b, PT12, PMSM12, RM12, SML13, SF12, SP11, ST11b, SS10d,
TWMM14, TCL11, TEY12, WA12, WXZ10, XJ14, ZD10]. **Maxwellian**
[HT10a]. **MBN** [SBS$^+$13]. **McCormack** [Sza12]. **MCore** [UJ12]. **MD**
[MD13]. **MDCT** [YCH$^+$13]. **mean** [BDM13, FS10a, Gil13, BW14]. **means**
[KL10b]. **measurement** [LLSW14]. **measurements**
[BPM13, PMM$^+$11, SCIE14]. **mechanical** [GP12b, MPT13]. **mechanics**
[ALS$^+$14, ABHS12, GBC11, JHDC10, MNKS13, NP12, NKS10, OLPM14,
iT14]. **mechanism** [BRS11, MZ14, Rie10]. **Mechanisms**
[RBNS$^+$12, BJLR14, Nag14a, Nag14b]. **media**
[AN14, AST12, BHM13, BCL14, CTP13, CZ13, CSW14, CL11a, CC12,
CSX14, Coa12, DM13, DFVY14, DL10b, DCVM11, Dur14, DV14, EGG12,
FR13, FJ12, GPCE13, GCE14, GD10, HSK$^+$15, HZ11b, HLY11, JS13b,
KFOS14, LMFH11, LP12b, LTC14, LW13b, LQB14, LE12, MZ11b,
MdVBS13, MSTL13, MTD14, MF13, MJM13, MMJ14, NZ14, OJ11, OP10,
OK13, PM14, RBB12, RCCC14, dCRCS10, STD14, SKN13a, SG10b, SG10a,
SG12a, SG12b, SGS13, SGC13, SHCY13, SVS11, She13, SKN13b, SLC$^+$11,

CRT10, CDL11, CDLL12, CKR14, CH11a, CSKP10, CSB14, CH14, CJ14,
CCG11, CdCD12, Cui12, DYYA14, DR11, DH10, DMHL14, DLDL10, DV13a,
DDN⁺10, DLNN12, DM13, DRB14, DLC11, DLLW14, DvW14, DWL10,
DTU12, DGM13, DP12, DFNNRdlA14, DMR14, DL13c, DjY14, DFD14,
DF14, DBAV14, DFFL10, DKR12, DZL13, DB12, DBHBB13, DF10a,
DGAH10, DKW10, DGF14, DWZ10, DF10b, DE14, DZLD14, EMK11,
EGL⁺13, EWH13, EAN11, ELM14, EMSH14, FDHP11, FN14, FHMS11,
FGR12, FT12, Fat10, FRP14, FF13, FL13, FF12, FH11, FY13, FR13,
FGLB14, FK10, FP12, FP14, FSL10, FCY13, FS10b, GAvdVB14, GH14,
GT12, GH11a, GHS12, GG10, Gao13, GLSC12, GPY14, Ge10]. **method**
[GC11, GCZ13, GW11, GG14, GD10, GL12a, GLC⁺11, GGH14, GP12b,
GM14a, Gra14, GW10, Gri12a, GK10, GWK10, GTSC14, GP13, GPP11,
GD14, GXX14, GLL14, HM11, HRK⁺10, HS13a, HP13, HGRB14, HJ11,
HKJ11, HJBB14, HHA14, HR10, Han11, HHS⁺13, HD13, HBM13, HGW11,
HNS12, HL12a, HLS14, HGMM12, HE14, HWST12, HRT11, HW10, HW11,
HHGC14, HvB11, HM10, HVT12, HLZ14, HJK14, HL12b, HDD12, HWW10,
HK11, HK13, HY09, HY11, HZ11b, Hu13, HAS13, HKL14, HKL10, HCS11,
HCS12, HW14a, HHL14, Hys12, ID10, Ich13, iIT14, IX10, IST⁺12, IXX14,
IJZ13, IKO⁺14, IG14, JMFO13, JNM12, JSA14, JYHT10, JMW12, JS13b,
JZ11, JLZ13, JHZ10, JW11, JXD14, JWYH10, JZ10, Jin12, JK10, JM10,
JG13, JK11, KCG14, KK14, KED⁺12, KKLR10, KKAS12, KLMJ12, KVM12,
KH13, KPH13, KR10]. **method**
[KSU13, KKP10, Kaw13, Kea14, KAFB11, KF12, KT14, KG11, KG13a,
KMA13, KLP10, KL10a, KLPS14, KBGRM10, KBGO13, KSB12, KHJ⁺13,
KMHJ10, KBSV14, KG13c, KL11a, Kri14, KTT13, KG12b, KL12b, KL12c,
KBB13, LBC14, LH10a, LDS11, LP12a, LW11, LXM14, LP13a, LT11a, LB12,
LRL10, LGP10, LKCY11, Lee12b, LY13a, LB13, Lee14a, LK14, LDM14,
LBCL13, LTS⁺10, LPE⁺11, LKT⁺12, LSBJ14, LGF11, LLZ11, LH10c, Li10b,
LYE10, sLwG10, LTSH10, LLX11b, LCK11, LHY12, LX13a, LXL13, LHY13,
Li13, LMK13, LMGS13, LC13, LJ13a, LH14a, LZZC14, LLP14, LX14, LCP13,
LGG⁺13, LSW14, LCE⁺10, LSE13, LSZ13, LSV10, LMS11, LMBB11, LM14a,
LMS14, LRK11, LC14, LLH10, Liu11b, Liu11a, LZV12, LW13b, LS13d,
LW14, LCWN12, LM13, LGP14, LMS⁺10, LLS11, LHV13, LCB12, LBK10,
LLN⁺10, LXL⁺12, LXS⁺13, Luo13, LFW11, LZZR10, LI14, MGJZ10].
method [MZ11b, MWP14, MRS14a, MF14, MS10b, MS14a, MK14a, ML11a,
MHL⁺14, MMV⁺13a, MMV⁺13b, Mar13, MMSI13, MMHA⁺12, MSS⁺14,
MIJ10, MD14, MRD13, MTT13, Mel11, MS14b, MZ11c, MST14, MBL⁺14,
MDH⁺10, MBA14, MESV10, ML11b, MTZ14, Min13, MVCFM13, MZB12,
MDM⁺12, MLBS14, MJ13b, ML14b, NSA11, NTV14, NHE14, NRS10,
NPC11c, NLGL14, Nic11, NJ12, NB14, NKS10, NCV10, OAKR14, OA10,
OHF12, OD14, PBT14, PS12, PZW14, PZG14, PMM⁺11, PPB14, PRA13,
PL10, PMSH10, PRL10, PPS12, PB13b, Per13, PIN14, Pir12, PH13,
PMSM12, PBC11b, PA14, PB14b, Pri14, QY12, QC10, QZM⁺12, RSK13,
RBB12, RVB10, RCQL11, RTS13, RK14, RP13, RG13, RSS12, RVFK14,

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LSM14, Lan14, LH13, LKP14, LOG12, Li10a, LXY11, LX12, xLqW13, LLW14,
LGLX14, LYJ14, LLMY14, LT11b, LSVW10, LN10c, Liu13, LP14b, LQB14,
MC12, MMP11, MNF$^+$10, MJ13a, MMIW14, Mig14, MF10, MSS12, MK14b,
MIKG12, MNL$^+$13, MLM12, MWW$^+$13, MWY14, NV14, NPC11b, NPC11a,
NP12, NN12, NF12, OJW10, OS11a, OS14, PDZ$^+$14, PVLT10, PWK11, PB14a,
PMMB14, PNPF10, PS14b, PHSA14, PGA11, PPWZ11, QS11a, RT14, Ran11,
RSS10, RHB12, RBCK10, RS10b, SK12a, San13, SM12b, SJB11, SHMS13,
SRS10, SRSV11, SPB$^+$10, SWX12, SY11b, SSFM12, SC10, Soa13, SK12b].
methods
[SC12, SR13d, SdAW14, ST11b, TSL$^+$14, Tok11b, TD11b, TS14, TLNE10,
UJvL10, UJ11, UJ12, VGCMG11, VLM13, VWPF11, VWF13, VBCM10,
VSC$^+$11, VG14, VSK10, Wal13, WK10, WPP10, WSYS12, WD14, WW14,
WX14, WKH10, WPK14, XXS10, Xin14, XL11, XLD$^+$11, XS13, XST13, XH13,
XH14, YC11, YF14, YKWS13a, YKWS13b, Yok13, YBK13, YWL14, ZT10a,
ZK14, ZF12, ZWL$^+$12a, ZWL$^+$12b, ZHY13, nZzSlL14, Zha10b, ZOL$^+$11,
ZT13b, ZHS10, ZS13, ZT10b, ZWL10, ZMD$^+$11, vDS12, vRLPK11, ABH$^+$14].
Metric [Cou11, Del11, SYV17, XY14, AINF13, LLS11, SYV14].
Metric-based [Del11]. **metrics** [ANIF14]. **Metropolis** [HJBB14]. **Metzner**
[GDW11]. **MgSiO** [Ber14]. **MHD**
[HY11, BMP14, BDA14, CNSFD13, CLQX13, CH11a, HY09, HY10, Li10b,
LXY11, LX12, LT12, LL10b, MGLS12, MTB10, MT10, NL12b, PBC11b,
SPB$^+$10, SC13, SIDG13, TG14a, XPO14, ZN14a, ZN14b]. **MIB**
[NZ14, XZW11]. **micro** [BLR13b, DLNN12]. **micro/nano** [BLR13b].
microchannel [LVZK14, PL14, Tit12]. **microchannels** [WK10].
microfilaments [LG14]. **Microlocal** [Vai14]. **micromagnetic** [ES14].
micromagnetics [GHDS10, KVBP$^+$14]. **Micromechanical** [CMBW13].
micron [LL10a]. **micron-scale** [LL10a]. **microphysical**
[OBNN13, OBNN14]. **microscale** [LXM14]. **microscopic** [Mit13].
Microscopically [PP12]. **microstructural** [JR14]. **microstructured**
[GG13]. **microvascular** [ASGW11, ASK$^+$13]. **Mie** [WP10]. **migration**
[TCW$^+$10]. **migration-diffusion-convection-reaction** [TCW$^+$10]. **million**
[Liu11a]. **millions** [JMKK12]. **Mimetic**
[BBM14, KTT12, LRN13, LMS14, KG13c, LS10b, LMS11, LMBB11, LM14a].
Minimal [JNX13, LRS10, TR11, WA12]. **Minimising** [GBB$^+$13].
Minimization
[Oli14, BK12b, CLW10, CGS13, PR11, PHD14, Xie14a, YK13, YWY10].
minimized [HT12, sSLxRyZ14]. **Minimizing** [AH13b, CCW12, Kol11].
Minimum [CJM13, Ket10, Wan11a, Wan13a]. **mining** [AC11]. **mirage**
[FGE11]. **Mitigating** [MMHA$^+$12]. **mitigation** [VGCMG11]. **Mixed**
[CS12c, DL13c, Hys12, KG13c, AGBC14, AM12, BLRR11, CCB12, FCG10,
FMT11b, GH11b, HLYS11, JM10, MZ11b, MMP11, MBA14, SM13, SKt10,
TCL11, TTD11, HPV13]. **mixed-dual** [BLRR11]. **mixed-element** [TTD11].
mixed-precision [CCB12]. **mixing**
[CS12a, JNW$^+$14, MJ13a, RS10b, VWP11]. **mixture** [MFM12, PS14a, PS15].

mixture-energy-consistent [PS14a, PS15]. **mixtures**
[DGF14, Gio10, LC13, Liu11a, LR13, PvDtTB⁺11, VP10, VP14]. **mKdV**
[GAV13]. **MLPG** [LCK11, WTSZ10]. **MLPG_R** [SM12c]. **mobile** [RB13].
mobility [CGC13, JJM13]. **modal** [BGHM13, PMSM12, PS14b]. **Mode**
[GPCE13, GCE14, GKS⁺11, KG12a, LL12b, LL14b]. **Model**
[ECD14, HH13, And13, AC11, ABPSM11, BNT14, BHS14c, BBCH⁺12,
BLM⁺14, BND⁺12, BDH13, BCL13, BSDM12, BWMG14, BCL⁺11, BKW10,
CFCA13a, CFCA13b, CPJ11, CEK14, CM14, CF10, CBW10, CSW14,
CGR11, CLG13, CH10, CGJ11, CF11c, CDS13, CBCM⁺11, CDB13, Dad12,
DTG⁺14, DDS12, DXB⁺13, DFW⁺10, DRZ14, DKA12, DEKBF14, ECDB14,
EGG12, EWH14, FG12, FCG10, FCH13, FK14, Fuj11, Fuj13, GW12, GW14,
GDW11, GHM10a, GHM10b, GM11a, GHS13, GHP13, GVV13, GK14,
GGT13, HKJ11, HHA14, HHL11, HVD13, HZS12, HMOH11, HW14b,
HCM10, IX10, JJM13, JTH10, JG13, KL14a, KG12a, KRF12, KGG10,
KL10b, KO12, KK10c, KBB13, LGH10a, LMFH11, LBT11, LHH14, LKT⁺12,
LJX⁺14, LGLX14, LZC⁺13, LWZ⁺13, LTC14, LRBT14, LMM14, LBZ⁺10,
LFLV14, MZ10, MZ11a, MS14a, MWRZ13, MPWK13, Mit13]. **model**
[MSTL14, MMT14, MVG11, MGN10a, NL12a, NWLS12, OHF12, ORHH13,
PZTW12, PTM13, PBC⁺11a, Par10, PBC⁺14, PS14a, PS15, Pie12, RVFK14,
RJC13, RBNS13, RCCC14, RG12, SBWF14, SM11a, SN13a, SMP⁺13, SH14,
Sch13a, SO13, SC13, SSW13, SRS14, SKR14, SN13b, SS13c, SV10, Sza12,
TBMH11, TFP13, TS12, VP10, Vre11, WZ13, WZ14, WT12a, WMK13,
WSW13, XHF13, XFB⁺14, YP13, YCH⁺13, Yok13, Yok14, YN10, ZA14,
ZFJ11, ZYHW13, ZMQ13, Zho14a, DK14, HH12b]. **model-order** [DRZ14].
Model-Scenario [ECD14]. **modeled** [KRT14]. **Modeling**
[ASXZ14, BI11, BM11, CW10, ES10, IBO14, KL12a, KST10, LZV12, LBK10,
MGLS12, OLC13, VLM13, VKBK11, WK10, Wan10, YFL⁺13, YXD⁺14,
ZHW10, AH13a, AL10, AAG14, ACCM12, BWS10, BC10a, BKKD14,
BGBR12, BBD11, BHBM10, CRS14, CCMG⁺13, CW14a, CL11a, CMG⁺13,
DST14, DKR12, DL10a, DGAH10, FT11, GSTB13, GJLY13, HNMM10,
HGW11, HSK⁺15, HBZL14, HH12b, HH13, HLZ14, HHH13, ICC⁺10,
KBTD12, KLB⁺14, KEGM10, KKC⁺13, Kwo14, LRT13, LB13, LLZ11,
LYE10, LHY12, LLZ14, LG14, Lip12, LZ10, LVZK14, LP11, LM14b,
LMQ⁺11, MB13a, MCA⁺13, MBMV13, MBL⁺14, MF13, MGN14b, NZ14,
NKF14, OD12, OP10, PLT14, PM14, RG13, RKGM14, SG10b, SG10a,
SMF⁺13, SB12, SKt10, TH14a, TTR⁺12, Tok10, TvdHS⁺12, VGCMG11,
VHWF13, XFC⁺14, XJ12, Zad11, ZM14, ZZK⁺14, ZKM⁺11, dv23].
Modelling [KSD12, RBB12, RKD⁺14, STC10a, ERS14, FGE11, GM11b,
HCD11, JR14, JW12, Nag14a, Nag14b, PLBR13, SMS14, VBVD10, vDS12].
models [AVKP11, AP12b, AELV14, Ala14, AA13, BF14, BDTW10, BS11a,
BN14b, BJLR14, BM13a, BDMV11, CIJS14, CD10, CVC12, CNR10, CLSX14,
CJP⁺14, CP13b, CB13, DLM⁺13a, EWH13, EEK14, FY13, FvdB12, FQV13,
FP12, GHM10b, GH11b, GRS14, GP12a, Gri13, Gri10, Gri12a, Ham10,
HMM14, HBAP10, HSD11, HLLW11, ISZ12, IWG13, KH13, KVC⁺13,

[SYV17, TA13, AINF13, ANIF14, ABMT14, BSSW12, BBCH⁺12, BKC⁺11,
BCW13, CCFCM11, CXLC12, CB10, DDF14, EQYF13, ES13a, FRP14,
GW12, GW14, GGH14, HZ11b, HF10, KKAS12, KG11, KSD12, LCNK10,
LKCY11, LY13a, LMZ14, LH14b, MKCB14, MRD13, MVS13, MZ11c, MK11,
MK12, MK14b, NS14b, PZ10, Qua11, SHMS13, SYV14, SS13c, TS11,
VSC⁺11, WYYK10, WK14, WZ10, Xin14, XR14, YCY11, ZBS12a, ADB14].
moving-body [LKCY11]. **Moving-Least-Squares** [ADB14]. **MPFA**
[FE11]. **MPI** [KEGM10, LS10a]. **MPI-only** [LS10a]. **MPS** [KG13a, TM10].
MRT [XMS12]. **MRT-LBM** [XMS12]. **mud** [MGN12b]. **mud/debris**
[MGN12b]. **Mullins** [BGN10]. **Multi**
[APGL12, ASGW11, ASK⁺13, BILM14, BZ12, BZKL13, ERS14, FK10,
Ger12, ILM⁺13, IDNG13, KG13b, MMA11, MMA13, MSS12, NF12, PYK10,
SABH11, SHZ13, XHF13, AHA10b, AIX10, AKL⁺13, ABS⁺14, BDL11,
BD10b, BGGW13, CCD11a, CWS13, Cap11, CHKT13, CNST13, CLSX14,
CY14, CS14a, CB13, DM13, DLM⁺13a, DBHBB13, DBM⁺12, EN14a, EN14b,
Fal13, FGR12, FK14, GMB10, GG13, GCW14, GH12b, HHA14, HLM11,
He13, Her10, HJZ14, HDD12, HK11, HDHZ13, HQL⁺10, IX10, IST⁺12,
JNX13, JS13b, JHF10, JLZ13, JFC⁺13, JH12, KED⁺12, KKL10, KSU13,
KN14, KBSV14, KGSS10, KS12, KS14, LMLC12, LNU10, LB12, LRLL11,
LR12, LS10a, LX13b, MF14, MK14a, MS12, MHGM14, Nor14, PBWK11,
PvDGvM11, PvDtTB⁺11, RARO13, STD14, SBN12, SCGE13, SQC11,
SWX12, SPF10, SY11c, TVE14, TRL14, UWB12, VF10, WS10b]. **multi**
[XZW11, XIIX14, XL11, XH14, Yok13, ZN14b, ZLH12, CDL11, ILM⁺13].
multi-block [SY11c]. **multi-body** [SCGE13]. **multi-component**
[BD10b, HK11, PvDGvM11, PvDtTB⁺11]. **Multi-dimensional**
[Ger12, IDNG13, PYK10, SHZ13, BDL11, Cap11, Fal13, GH12b, IST⁺12,
KKL10, LRLL11, LR12, Nor14, RARO13, CDL11]. **multi-dimensions**
[LB12, MSS12]. **Multi-domain**
[SABH11, BILM14, DBHBB13, HDD12, LMLC12, XH14]. **Multi-element**
[FK10, KG13b, JNX13]. **multi-energy** [MHGM14]. **multi-flow** [ZLH12].
multi-fluid [DLM⁺13a, VLM13, VF10]. **multi-GPU** [JFC⁺13]. **multi-ion**
[BGGW13]. **multi-layer** [CCD11a]. **multi-layered** [ABS⁺14, STD14].
Multi-level [BILM14, MSS12, JS13b]. **Multi-mass** [APGL12].
multi-material [CS14a, FGR12, FK14, GMB10, JLZ13, JH12, KSU13,
KBSV14, KGSS10, KS12, KS14, LX13b, XZW11]. **multi-medium**
[WS10b, XL11]. **Multi-moment**
[MMA11, MMA13, NF12, AIX10, CLSX14, IX10, UWB12, XIIX14, Yok13].
Multi-output [BZ12, BZKL13]. **multi-particle** [GG13]. **multi-phase**
[AHA10b, CY14, HHA14, HQL⁺10, MF14, PBWK11, SPF10, ZN14b].
multi-physicochemical [CHKT13]. **Multi-physics**
[ASGW11, ASK⁺13, CNST13]. **multi-point** [SBN12]. **multi-resolution**
[DM13, HHA14, TRL14]. **Multi-scale**
[XHF13, AKL⁺13, CHKT13, DBM⁺12, He13, Her10, MK14a, SQC11].
Multi-scenario [ERS14]. **multi-socket** [LS10a]. **multi-symplectic**

multiscale-multigrid [GW10]. **Multiscale/fractional** [JTT14].
multislope [BC10b, CRT10]. **multistep** [CK11, LBM10]. **multisymplectic**
[KHZ10, ST11b]. **multitude** [EQYF13]. **multivariate** [DKR12, WMI10].
Multiwavelet [VR14]. **MUSCL** [BD14a, BC10b, CCKCG10, CRT10].

N [Gho17]. **Naghdi** [BCL⁺11, LGH10a, LGLX14, PDZ⁺14, PE10]. **nano**
[BLR13b, CW10, HZS12, JC10, KKPV12, KA13]. **nano-crystals** [KA13].
nano-electronic [CW10]. **nano-pattern** [KKPV12]. **nano-plasmonic**
[HZS12]. **nano-scale** [JC10]. **nanocarrier** [RUL⁺13]. **nanochannels**
[LWCR10, ZKM⁺11]. **nanometers** [NIN⁺14]. **nanoparticles** [LH13].
nanostructures [NIN⁺14, TVE14, XX12]. **nanowire** [RSK13]. **narrow**
[LDM14]. **narrow-band** [LDM14]. **NASA** [KYP⁺14]. **Natural**
[KTT12, ZYT13, DMHL14, EBGW13]. **natures** [SCY11]. **Navier**
[GLL14, HHK13, KRF12, VV13, AB11, ABPSM11, BK11, BSSW12, Bea12,
BNNW11, BN11, BN14a, BGHM13, Boe11, BR12b, BCLR10, CVN13,
CMS10a, CJNS12, Cha13, CXLF14, CLS10, CDK12, CST12, DLZ⁺11,
DHH11, DAA11, EH13, FW12, FL11a, HGW11, HL12a, HOK10, HM10,
HKL14, HF10, JM12, KKP10, KF13a, KRT14, LXF10, LGE⁺13, LLN⁺10,
MBS13, NPC11c, NOT14, NDBG14, NEE12, OA10, OR10, OS12, PBT14,
PVLT10, PGL11, PNPF10, PGA11, RP13, RHXQ14, RGMC13, RCvdV13,
RPC14, SK12a, San13, SVK14, SH14, SSHT14, SM13, Sen13, SSS10, Sha13,
SLI10, SR11, SY11c, SGV13, TWMM14, TY11a, TLO⁺14, UN13, VQRD11,
VT13, Vre14, WW13, XFB⁺14, XIIX14, XH13, ZW10b, ZLH12]. **near**
[Alb10, BdCB11, Boy11, DDN⁺10, GDY10, Mac10, RKM11, Vre14].
near-equivalence [Boy11]. **near-initial-information** [RKM11]. **near-wall**
[GDY10]. **nearly** [KGG10, ML11b, ZA14, ZJW12, ZWH⁺12].
nearly-orthogonal [ZJW12]. **necessary** [PBWK11]. **Nédélec**
[HZS12, JMFO13]. **need** [PM14]. **Negami** [CPJ11]. **negative**
[DR11, MMR12, MM12, NMV13]. **neighbor** [Mac10]. **nematic**
[BGGGS11, CTSM13]. **NEMD** [GWK10]. **neon** [KM14b]. **Nernst**
[LW14, LHMZ10, MG14b, ZCW11]. **Nested** [PMSH10, EWH14, SY14a].
network [BPS14, CCT11, Ham10, XHF13, vTCL⁺10]. **networks**
[AM13, BK14b, CMBW13, FLM12, Gui12, KL14b, MAK14, NJ12].
Neumann [AV10, Deg11, FN14, FN10, HG11, LL12b, MP13, RzSZ13, SSC13,
TDL10, VCJ11, VW14b, ZzS11]. **Neumann-to-Dirichlet** [LL12b].
neuronal [CCT11]. **Neutral** [KM11, GH12b, WAM14]. **neutrality** [CRS12].
neutron [BLM⁺14, DSHP11, JC13, Tal13, WPK14]. **Newton**
[BDTW10, CGG12, CCL⁺14, DMHL14, GL12a, Han11, HL12b, JG13, KL11a,
LTS⁺10, LPE⁺11, LKT⁺12, LFLV14, LvZB10, LL10b, NOT14, PMMB14,
YJK12, vVVK10]. **Newtonian**
[BNM14, KRT14, LXM14, PTM13, STH11, ZYF⁺10]. **Nicolson**
[ÇD12b, FF12, WXY13, YXZ13]. **Nicolson/quasi** [YXZ13].
Nicolson/quasi-wavelets [YXZ13]. **nine** [WDGY10]. **nine-point**
[WDGY10]. **Nitrogen** [MPPP12b, MPPP12a]. **Nitsche** [AM11]. **No**

[RPV13, SR11, VM10, Vre14]. **No-slip** [RPV13, SR11, VM10, Vre14]. **nodal**
[DBZ14, DTYY14, LH14a, OS11b, ZS14]. **nodal-continuous** [DTYY14].
node
[AT13b, BvBZ⁺10, FL10, HWST12, LR11, SSHT14, TG14a, WZ10, ZWH⁺12].
nodes [MGJZ10]. **Noise**
[TAT14, AV13, AP11, DG12, HJZ14, Jin12, SSS11, VS14, vydCNS⁺10].
Noiseless [PSF⁺14]. **nominally** [MB12, MAB⁺13]. **Non**
[AM12, DZL13, ES14, FPN⁺13, GGG⁺13, LSW14, PL10, PL12, XFB⁺14,
AK10, AC13, AW14, ABJ⁺12, BD10b, BNM14, BRS11, BSS12, BD14b,
BAG12, BCG⁺13, Cap11, CES14, CCD11b, CF11a, CRG13, CVIA10, CRT14,
DR11, DB13, DO11b, DEKBF14, FSTY14, FCYF11, FVR13, GG10,
GCvRK11, GP12a, Guy13, HKLY13, HG11, HWA10, IAM⁺12, IG14, JC13,
JN12, KIF⁺14, KRT14, KG12b, LH10a, LXM14, LRL10, LQ10b, LWF11,
LT11c, MMR12, MC12, MBLM10, MN12, MM12, MTG11, MM11, NMV13,
NKS10, NNS11, PTM13, PDZ⁺14, PL14, PT12, PWB⁺14, Pir11, SBWF14,
SG12b, SSM14, SBS11, SML13, STD⁺10, SMS14, SJ10, SGV13, UJ12, Vai11,
VDP11, WYS⁺11, WLL13, WS14, YF14, ZN10, nZzSlL14]. **non-adapted**
[DO11b]. **non-breaking** [SMS14]. **non-collisional** [LWF11].
non-compactly [Vai11]. **Non-conformal** [DZL13, PL10]. **non-conforming**
[NKS10]. **non-conservative** [AK10, BD14b, YF14]. **non-deteriorating**
[PT12]. **non-dispersive** [BRS11]. **Non-dissipative** [LSW14, Pir11].
non-divergence [GCvRK11]. **non-elliptic** [SG12b]. **non-equilibrium**
[CVIA10, IAM⁺12, MM11, PWB⁺14, SGV13, WYS⁺11]. **non-equivalence**
[SSM14]. **non-Fickian** [STD⁺10]. **non-graded** [HG11, MTG11].
non-hydrostatic [NNS11, UJ12]. **non-isothermal** [PL14]. **Non-linear**
[FPN⁺13, XFB⁺14, AC13, BD10b, Cap11, DEKBF14, FVR13, Guy13, MN12,
PDZ⁺14, SBWF14, VDP11]. **non-local** [BSS12, GP12a]. **non-negative**
[DR11, MMR12, MM12, NMV13]. **non-Newtonian**
[BNM14, KRT14, LXM14, PTM13]. **non-orthogonal** [CRG13].
non-oscillatory [CCD11b, CRT14, DB13, FSTY14, FCYF11, HKLY13,
HWA10, IG14, JN12, LQ10b, MC12, YF14]. **non-overlapping**
[BAG12, JC13]. **non-periodic** [KG12b, LRL10, WS14]. **non-premixed**
[GG10]. **non-reactive** [KIF⁺14]. **non-smooth** [ZN10]. **non-spherical**
[SJ10]. **non-staggered** [SML13]. **non-stiff** [CF11a]. **Non-uniform**
[AM12, ES14, GGG⁺13, AW14, ABJ⁺12, CES14, LH10a, LT11c, MBLM10,
SBS11, WLL13, nZzSlL14]. **non-zero** [BCG⁺13]. **nonconforming**
[HR10, ZW10a]. **nonconservative** [CG13b]. **Nonequilibrium**
[CD12a, GWK10, PPWZ11, SAHS14, ZFJ11]. **nonhomogeneous** [BHM13].
nonhydrostatic [KG12a, MMV⁺13b, SSW13]. **Nonlinear**
[APRS14, CFW⁺13, EMK11, LDN⁺10, Shu14, WFK11, YP13, AMDR10,
AH13b, APC11, BF14, BD11a, BTX13, BHL⁺13, BBC⁺13, BS11a, BCL⁺11,
BDLGC13, BGM12, CCT11, CWL13, CEGG14, CFCA13a, CFCA13b, CRS14,
CZ11b, CGJ11, CV10, CF11c, CSKP10, CLS13, DBAV14, Don10, EO11,
FD11, FF12, FCN⁺13, FC13, FLB⁺12, GAvdVB14, GJ14a, GCLS11, GL14,

LMQ⁺11, LHV13, LFW11, MDPTK13, Man12, MMSI13, MB11, MdVBS13, MTT13, MS14b, MVCFM13, MWY14, MPT13, MGN13, MGN14b, Nag14a, Nag14b, NMV13, OD12, OA10, OLFS13, OBT12, Par10, PBB14, PE10]. **numerical** [PS14a, PS15, PPWZ11, Pri14, Pud11, RTS13, RZ10, RHB12, RB10, RM12, SOG14a, SBB13, SNS10, SRSV11, SB14, STH11, SY11b, SJK11, SCS14, SL13b, ST11b, TiI11, TS10, TSL⁺14, Tau12, TA12, TDVG13, TTR⁺12, TvdHS⁺12, TE11, TR11, VBVD10, VP10, VP14, VLM13, WFK11, WWX⁺10, Wan11b, WLW14, WC14a, WRH10, WJC13, WWS⁺13a, XS15, XPO14, Yok13, YL10, ZK13, ZVNM10, ZYHW13, ZPF10]. **Numerically** [GKF11, KHJ⁺13, LS13c]. **Nunziato** [FP12, PZTW12, TT10]. **NURBS** [CXLF14]. **Nyström** [BG12, HK14, YHM12].

OBC
[Ano10-49, Ano10-50, Ano10-51, Ano10-52, Ano10-53, Ano10-54, Ano10-55, Ano10-56, Ano10-57, Ano10-58, Ano10-59, Ano10-60, Ano10-61, Ano10-62, Ano10-63, Ano10-64, Ano10-65, Ano10-66, Ano10-67, Ano10-68, Ano10-69, Ano10-70, Ano10-71, Ano10-72, Ano11-43, Ano11-44, Ano11-45, Ano11-46, Ano11-47, Ano11-48, Ano11-49, Ano11-50, Ano11-51, Ano11-52, Ano11-53, Ano11-54, Ano11-55, Ano11-56, Ano11-57, Ano11-58, Ano11-59, Ano11-60, Ano11-61, Ano11-62, Ano11-63, Ano11-64, Ano11-65, Ano11-66, Ano12-36, Ano12-37, Ano12-38, Ano12-39, Ano12-40, Ano12-41, Ano12-42, Ano12-43, Ano12-44, Ano12-45, Ano12-46, Ano12-47, Ano12-48, Ano12-49, Ano12-50, Ano12-51, Ano12-52, Ano12-53, Ano12-54, Ano12-55, Ano12-56, Ano12-57, Ano12-58, Ano12-59, Ano13-33, Ano13-34, Ano13-35, Ano13-36, Ano13-37, Ano13-38, Ano13-39, Ano13-40, Ano13-41, Ano13-42, Ano13-43, Ano13-44]. **OBC** [Ano13-45, Ano13-46, Ano13-47, Ano13-48, Ano13-49, Ano13-50, Ano13-51, Ano13-52]. **Object** [YS12b, Lap11, LH14b]. **Object-oriented** [YS12b]. **object-plasma** [Lap11]. **objective** [SSS11]. **objects** [FRP14, PVDW14, Xu11]. **observations** [BLM11, GM11a]. **observed** [BM13b, BH13c, Har11]. **obstacle** [CHC11, KL11a, Le 14a, Lee14a]. **obstacles** [KKAS12]. **Obtaining** [CBGK13]. **ocean** [BDTW10, IBO14, Li12, LFLV14, OMCO14, SP14a, TQW14, ULS13, YK12]. **ocean-atmosphere** [IBO14]. **oceanic** [Hig13]. **octree** [BGZ12, PHRG13, PB13b]. **octrees** [Mur10]. **ODE** [BS14b, NV14, TPF11]. **ODEs** [RT14, ZK14]. **Off** [NKSR12, MMIW14, PB13b, YFL⁺13]. **off-body** [PB13b]. **Off-lattice** [NKSR12]. **Ohm** [PSM11]. **oil** [OD12]. **oligomerization** [JJM13]. **once** [SW13]. **One** [EEK14, KS12, PRL10, YHT11, ACG14, Ain14, BH13b, BLTO11, CCB12, CW14a, CLS13, DRB14, FQV13, GDHM11, HH12a, Liu11a, LT11c, MM12, MPT13, MGN12a, NF12, Par12b, RB10, RS13b, SSR14, Stu10, TAI11, TA13, ZWL⁺12a]. **One-dimensional** [YHT11, CCB12, CLS13, FQV13, LT11c, MPT13, RB10, SSR14, Stu10, TA13, ZWL⁺12a]. **one-domain** [CW14a]. **one-level** [BH13b]. **one-shot** [DRB14]. **one-sided** [HH12a]. **One-step** [KS12, GDHM11, Par12b]. **one-time** [ACG14]. **one-way** [Ain14]. **only**

[LS10a]. **Ono** [BX12]. **opacities** [Gen11, Gho17]. **Open**
[DK14, BS10a, LL12a, MGLS12, MRS14b, MLM12, PGA11, SS10a].
open-loop [MRS14b]. **OpenMP** [ADT14]. **operating** [GMXG14].
operational [HHGC14]. **Operator**
[Wal13, ZOL⁺11, Zha14, BR11, BB12b, CC12, ETW10, FN14, FN10,
HLDP14, KWH10, PG11, RXLS14, SSL13, WdHX10, WYS12b].
operator-splitting [WYS12b]. **operators**
[BBC⁺13, BG12, DBZ14, EAG14, FN14, FD11, Hua14, LR11, LB12, LL12b,
MA13, Mat14, MAC14, Pir10, SW11, TAAS13, SRS10]. **Optical**
[BFR13, CCC12, DR14]. **optically** [RGK12]. **optics**
[CKR14, GHP13, GHH14, LBM14, Whi10, WJC13]. **Optimal**
[BH13a, BGR11, BMK11, BMK12, BP13b, CSX14, CDL11, EC13, MAC14,
NMCZ14, RSD10, SWR11, TD12b, XS11, AAG14, BVM14, BFR13, BD13,
BAG12, DLLW14, EM12, FKM11, GLS10, HM13, IL11, Kaz10, LR11, LLJ10,
MBS13, Oli14, PSDF13, SV13, VSK10, ZMD⁺11, BFO14]. **optimality**
[WFL10]. **optimally** [NRS10, WA12]. **Optimised** [GM11b]. **Optimization**
[BRP14, GTSC14, LSVW10, MMM13, Ost10, vdVR12b, AJV11, ASK⁺13,
BHS14c, BPS14, BRSS11, BRS13, BKV12, CS14c, DLZ⁺11, DLLW14, DR14,
HA14, LD12, Man12, MNF⁺10, Mét11, Mön13, SAM10, SSS11, SM10, Sti12,
TNK10, TDVG13, WS10a, WdHX10, WKMJ13, YYY⁺14, YDN10, YD12,
fZlC11, ZLL10, ZWL10, ZPGO10]. **Optimization-based**
[BRP14, GTSC14, LSVW10, BRSS11, BRS13, Mön13, YD12]. **optimize**
[TK14]. **Optimized**
[LLYE12b, ZY13, BSS14, CR14, GYL12, NDB12, TH14a, VG14]. **optimizing**
[And13]. **options** [RA10a]. **orbital** [MIKG12, SP14b]. **orbital-free**
[MIKG12, SP14b]. **orbitals** [Men12]. **Order**
[SYV17, AB12, AINF13, ANIF14, ALR11, AQ11, ABL⁺11, AM12, Ain14,
AL10, AMP14, AF11, AN13, ACCM12, ABK12, ABK13, AT13b, ABJ⁺12,
BHB11, BMS12, Bal12a, BH12, BNT14, BWC11, BGH10, BvBZ⁺10, BD13,
BYCC14, BS10a, Boe11, BWMG14, BK14b, BBD11, BX12, Bre12b, BL10,
BL13, BLR14, CIJS14, CYK⁺14, CX13, Cap11, CD10, CCD11b, CS12b,
CPCU13, CS14b, CH10, CSX14, CGMQ14, CDL11, CDHM11, CdCD12,
Dai13, DEH11, DMT⁺11, DMM⁺13, DLGP13, DFNNRdlA14, DL13b,
DCC⁺13, DKR14, DAEB13, DRZ14, DCL11, DSZ13, DWZ10, DKA12, DV14,
EO11, EAN11, Fan14, FPN⁺13, FL13, FW12, FCYF11, FC13, FVR13, FP14,
FMM⁺10, Gao13, GNGAS10, GBNS14, Ge10, Gen13, GL14, Ger12, GMC13,
GM12a, GH11b, GITW12, Gri12a, GCL13, GLWW14, GH12b, GCH14,
GXS14, HH12a, HAMA14, HdCNT12, HBAP10]. **order**
[HSD11, HRBK10, HRCW13, HE14, HWST12, HOK10, HTHG14, HM10,
HLT10b, HAS13, HAH14, Hua14, Ide12, IX10, IG14, JNSA12, JZ11, JLZ13,
KK10a, KKLR10, KLMJ12, KVM12, KKS13, KF13a, Kat14, Kaw13,
KKvZB14, KSR⁺14, KAFB11, KH11, KEGM10, KVBP⁺14, LH10a, LTC10,
LFL11, Le 14a, Lee14b, LPE⁺11, LKLG14, LSBJ14, LGC13, Ler13, Ler14,
LLZ11, Li10b, LXF10, LX12, LR12, LP14a, LT14, LGLX14, LY13b, LN10b,

[CH11b, RKD$^+$14]. **pairing** [PMF13]. **pairs** [GL14]. **panel** [HK14].
panel-based [HK14]. **parabolic** [ARR11, BdF10, LD14, LM13, LHV13,
LB10, MST14, MBA14, NS14b, Whi10, YWY10]. **parabolized** [UN13].
paradigm [BZKL13]. **Parallel**
[BLTO11, CBTR13, FB11, Gen13, GL12a, GFK13, JMV$^+$12, KK10b,
KMvM$^+$12, KH11, NS11b, RK14, RHGT10, SFWP10, TRSMM$^+$13, YC11,
ARR11, ARR13, AAI10, ADT14, AJG$^+$13, AKP$^+$12, BC10a, BLRR11,
BPOS12, CDSP13, CC12, CBGK13, DGM13, DZL13, FT11, Fuj11, GG10,
GM12b, GMG12, GMXG14, HOK10, Her10, HPLS10, HH13, HWHW10,
ITO$^+$10, LS10a, LC14, LFLV14, MMM13, MMM11, NIN$^+$14, OTV13, PZG14,
PBdGP14, SLT$^+$14, SSB$^+$12, SYE10, TDU14, TPA$^+$13, Wan13a, GRT12].
Parallel-vector [NS11b]. **parallelepipeds** [KST13]. **Parallelization**
[SNS10, CNSFD13, Kim13]. **parallelized** [CS13, RBNS$^+$12, RBNS13].
Parameter [AR14, BMK11, BMK12, ECDB14, EWH13, GHM10a, GHM10b,
HBAP10, LA10, MPS$^+$14, ST13, WC14a, ZD10]. **parameter-dependent**
[ZD10]. **parameterization** [CZL10, XMDG13, XMDG14]. **parameterize**
[KM14b]. **Parameterizing** [ZZK$^+$14]. **parameters**
[BND$^+$12, GMT10, IWG13, OBNN13, OBNN14, XMS12]. **Parametric**
[BNP10, AKMD14, BGN10]. **Parametrization** [ZM14]. **parametrized**
[XQX13]. **Parareal** [BLM$^+$14, BERB$^+$12, RBNS$^+$12, RBNS13, SNS10].
paraxial [AC11]. **part** [SM12a, SM12b, AP11, AP12b, Bal14, BHS14a,
BHS14b, BD10a, DL13a, DL13b, DEKBF14, FNGV14, HR10, JWNL11,
JPC$^+$14, JKR14, KWJR14, KJWR14, LB14, NL12b, PZW14, PZG14,
PRA13, RPA13, RS13b, RS14b, SG10b, SG10a, SG12a, SG12b, SYY14a,
SYY14b, YS11a, YS11b, ZMD$^+$11, vdVR12a, vdVR12b]. **partial**
[AP12a, ARR11, CCLS10, CHZ13b, CHZ13a, DA14, FVR13, GM11a, GM14a,
Gri10, JHF10, JTXZ12, LLZ11, LS13c, LM13, MZ10, MGN10b, NP12, Pir12,
RH13, RHB12, WZ13, XH14, YXZ13]. **Partially**
[Bea12, JKW11, Gio10, Har11]. **participating** [SRS14]. **Particle**
[DGAH10, ILM$^+$13, KHRD11, Lap12, LFK11, Lip12, MDPTK13, PAG11,
AHA12, AHA13, AP11, ADMA13, AJG$^+$13, AF13, AW14, BR10a, BLOdV14,
BILM14, BBC$^+$13, BBGP14, BM10a, BKW10, BPHK13, Bre12b, CD13a,
CCB13, CP14, CWL10, CCB11, CCB12, CC13, CCMG$^+$13, CCL$^+$14,
CWZ$^+$11, CBGK13, DTG$^+$14, DRW11, DC13, DG12, DKW10, DF10b,
ES13b, FCY13, Fuj11, Fuj13, GPY14, GG13, GM11b, GLC$^+$11, GHP13,
GJ14b, GP13, HT14, Her10, HMM$^+$10, HLZ14, KKPV12, KF12, KGKS13,
KIG11, KG11, KG13a, KWH10, KHJ$^+$13, KSB14, LBC14, LTC13, Lap11,
LLZ11, LC13, LTL$^+$14, LXSR12, LT11b, LEHA10, LWF11, Mac10, MC12,
ML11a, Mar10a, MS12, MB11, MPWK13, NS11b, OBNN13, OBNN14,
PTM13, PBT14, PWK11, PMF13, PP14, Pri12, RPV13, RSS12, RSFS13,
RBCK10, Ros10, SRS10, SBA13, SC11]. **particle**
[SY12c, STD$^+$10, SGV13, Tau12, TE14, TAAY14, TP12, TVEC12, UPDB13,
VB13, VdMS$^+$14, WPP10, WLL13, WZG$^+$13, WK13b, WAM14, Zha10a,
ZF14, ZKKF10, vDS12, DDN$^+$10, DC13, Lip12, MHL$^+$14]. **particle-fluid**

[Ham10, KO14, LKTL10]. **perturbations** [MBS13, Wan13a]. **perturbative**
[BX12]. **perturbed** [FJ12, Kha13]. **Petrov** [AWK$^+$11, FPN$^+$13, ZMD$^+$11].
PGD [DAA11]. **Phase**
[GMXG14, JR14, LC13, LZ10, TK14, AHA10b, ABL$^+$11, ALGB$^+$13, Ala14,
ABMT12, ABMT14, BHL$^+$13, BW13, CNR10, CSW14, CY14, CL11b,
CKR14, DMHL14, DS12, Don14a, Don14b, DFW$^+$10, ES10, FGR12, GT12,
GW12, GW14, GH11b, GRS14, GJLY13, GK14, GWG14, GMG12, HHA14,
HK13, HLLW11, HQL$^+$10, HW14a, IK11, KCG14, KT14, LP13b, LQ10a,
Li13, LVZK14, LHPH11, LYD10, MB13a, MF14, MFM12, MW14a, MF13,
MJM13, MMJ14, PZTW12, PBWK11, PRA13, PBM11, PS14a, PS15, PM14,
PZ10, RBB12, RDHK12, RB13, RPA13, dCRCS10, SN13a, SF11, SMP$^+$13,
SGS13, SNBN13, SSC13, SPF10, SX14, SHA11, SHA12, TNK10, TSLV11,
TT10, TL13, VP10, VP14, VBCM10, VSC$^+$11, WSS12, XYL12, XR14, YK12,
ZM10, ZHW10, ZYHW13, ZMQ13, ZHY13, ZN14b, ZYF$^+$10, ZWJW10].
phase-averaged [YK12]. **phase-change** [DMHL14]. **Phase-coexistence**
[LC13]. **Phase-field** [LZ10, CNR10, DS12, DFW$^+$10, GH11b, GRS14,
GMG12, LVZK14, PRA13, RPA13, ZYF$^+$10]. **phase-less** [IK11].
phase-space [CKR14]. **phases** [LCE$^+$10]. **phenomena**
[BP13b, HZ11b, IBO14, JXD14, LL14a, RBK13]. **phonon** [NSA11]. **phonons**
[MM11]. **photoelectron** [WLPG11]. **photoionization** [GH12a]. **photon**
[RKD$^+$14, WLPG11]. **photon-photoelectron-counting** [WLPG11].
photonic [BSS11, HCD11, HCH$^+$10, MNF$^+$10]. **Phys**
[ASS17, CFCA13a, Dav15, Gho17, HY11, LWD13a, NHT$^+$13, OBNN14, PS15,
SYV17, SS14b, TK15, XMDG14, YKWS13a, ZJS15]. **Physalis**
[Liu11a, GP13]. **physical** [BBC$^+$12, FQV13, Hen13, WJC13]. **Physically**
[DR11, BNM14, BGBR12]. **physically-based** [BGBR12]. **physicochemical**
[CHKT13]. **Physics** [ASXZ14, Dad12, EH15, HSK$^+$15, KAB$^+$14, PRH$^+$14,
XS15, ASGW11, ASK$^+$13, CNST13, Gra10, HMM14, KEG$^+$12, MMIW14,
NB14, Ton14, TBNT11, Try12]. **Physics-compatible** [KAB$^+$14, PRH$^+$14].
PIC [AW14, CN10, GV13, GVH14, GV14, Lap11, TP14, YXD$^+$14].
PIC/fluid [TP14. **piecewise** [Gon10, HLY12, KJ11, fZlC11, ZWL10].
piezoelectric [CVI$^+$13]. **pinch** [YFL$^+$13]. **pinch-off** [YFL$^+$13]. **PIROCK**
[AV13]. **piston** [ZYLK13]. **Pitaevskii** [LX14, Sal14, TA12]. **pitching** [JM12].
PKD [MOSW12]. **planar** [Bre12a, CSKP10, DFD14, LSZ13, Tit12, LEH10].
Planck [JY11, CCT11, GJ14b, LE13, LW14, LHMZ10, Mar10b, MG14b,
PLT14, SJH12, TTR$^+$12, TBNT11, Wol12, ZCW11]. **plane**
[BHK$^+$10, DB12, DKW10, JFC$^+$13, KED$^+$12, RKGM14, STD14, VT13].
plasma [AiINT14, AAG14, BBF12, CWZ$^+$11, CKD10, CBCM$^+$11, DCC$^+$13,
DST14, DGAH10, ES13b, GKS$^+$11, Gür14, HH12b, HH13, ILM$^+$13, ICC$^+$10,
KM11, KEG$^+$12, KSB14, LA10, Lap11, Lip12, MHL$^+$14, MMIW14, MMA13,
PBC$^+$14, PLT14, RBNS$^+$12, SNS10, SKt10, TGT$^+$10, TTR$^+$12, TD12a,
Unf13, ZZK$^+$14, ZKV10, vydCNS$^+$10]. **plasma/flow** [Unf13].
plasmadynamics [PMS11, PSM11, PSM13, PMS14]. **plasmas**
[AHS14, BP13a, CDS13, CM10, DMR14, GP12a, HdBK12, HT10a, Jar12,

KST13, KA12, KHJ$^+$13, Tok11a, TSR13, VHG13, VCS14]. **plasmonic**
[HZS12]. **plastic**
[DKR14, FG12, HPOM10, LTS$^+$10, LKT$^+$12, MAB$^+$13, OLPM14, SSB13].
plasticity [BJLR14, RG12]. **plate** [LHM14]. **platelet** [WMK13]. **plates**
[FGE11]. **platforms** [CDSP13]. **PLIC** [MZ11c]. **plus** [KK10a, RV10, Wal13].
PML [OJ11]. **POD** [RV10, SN13b, TR12]. **POD/DEIM** [SN13b]. **Point**
[MBR11, XLD$^+$11, Alb10, AEM13, BGGGS11, BCM12, CR13, DLC11,
Her10, KED$^+$12, KNR11, LQ11, MGJZ10, MDTC13, MMHA$^+$12, ML14b,
RA10a, SBN12, Soa13, UPDB13, WDGY10, ZMG11, ZD12]. **point-based**
[DLC11]. **point-source** [LQ11]. **point-to-plane** [KED$^+$12]. **point-value**
[XIIX14]. **Point-wise** [XLD$^+$11]. **points** [CDLL12, DS11, Li13]. **pointwise**
[KG13c]. **Poiseuille** [MWRZ13]. **Poisson** [Don11, ZD11a, ARR13, AAI10,
BH13b, BLTO11, BY11, BHM14, CRS14, CGR11, CCG11, CLM13, DO11a,
DDN$^+$10, DMR14, Ge10, GCZ13, GK13, GM12b, GCH14, GT11, HGMM12,
HRCW13, HG11, HT12, JWV12, JM10, KTT13, Liu13, LW14, LHMZ10,
MRS14a, MS10b, MS11, MNR11, MJK13, MP13, MTG11, MG14b, MY13,
PRH$^+$14, PGR10, PSF$^+$14, QS11b, RS11, VCS14, Xie14a, XM14, ZCW11].
Poisson-BGK [DMR14]. **polar** [QZM$^+$12, SCH13b]. **pollution** [JWNL11].
polyatomic [CL14a, Son11]. **polycrystalline** [DFW$^+$10]. **polycrystals**
[Ber14]. **polydisperse** [BDMV11, FNKdLB13, KLMJ12, VLM13]. **polygonal**
[BR10b, LS10b, LSV10, NS11a, SY11a, SY12b, TR14, WGD12, WJC13].
polyhedra [SdAW14]. **polyhedral** [LMBB11, LM14a]. **polymer**
[KCG14, KL14b, LHK12]. **polymeric** [ASK$^+$13]. **polymers** [SJB11].
polymorphs [Ber14]. **Polynomial**
[HG10, BS11b, BWMG14, Boy13, GvdSVK10, HWHW10, KL14a, LBR14,
PHD14, PGLK14, RWX11, RLPM12, SF14, WTYC13, CSK13, JWV12].
polynomials [BY11, CJM13, DV13a, Gon10, KBRM12, LB14, Liv10,
MOSW12, Ols12, Rem11]. **population** [BKW10, MAK14, PWK11, VWF13].
pore [HW14c, MB10a, OP10, RBB12]. **pore-level** [OP10]. **pore-scale**
[MB10a]. **Pores** [SW10]. **poro** [SCH13b]. **poro-elastic** [SCH13b].
poroelastic [BCL13]. **porous**
[AST12, BCL14, CTP13, CZ13, CSW14, CW14a, CL11a, DM13, DFVY14,
DL10b, GPCE13, GCE14, GCFJ13, HSK$^+$15, HZ11b, KTT12, KFOS14,
LW13b, MZ11b, MF13, MJM13, MMJ14, OP10, PM14, RBB12, dCRCS10,
RM14, SKN13a, SGS13, SGC13, SHCY13, SKN13b, TLG10, TL13, WT13,
WHT14, WLW14, YL10, Zad11, ZM14, ZHY13]. **posed** [JZ10]. **posedness**
[RNT12]. **positive** [EZ10, GM12a, RMSF11]. **Positivity**
[CCGP13, CLQX13, CS14a, HAS13, Par12a, Par13, QS11b, ZS11, ZS12,
Bal12a, BKC$^+$11, GXS14, MKCB14, NV14, RS11, ZS10b, ZYS14].
Positivity-preserving [CCGP13, CLQX13, CS14a, HAS13, Par12a, Par13,
ZS11, ZS12, BKC$^+$11, GXS14, RS11, ZS10b, ZYS14]. **positrons** [SBS$^+$13].
post [AM12, AM10, Ide12, ZL13]. **post-processing** [AM12, AM10, Ide12].
post-smoothing [ZL13]. **posterior** [Lee14b]. **posteriori**
[DFVY14, DZLD14, ETW10, HKL10]. **posteriors** [AGS10]. **postprocessing**

[BKV12]. **Potential**
[GCBH10, GCBH13, BK12b, CLN14, CLW10, ES14, Gon10, HCP10, KJ11,
LLL10, LTC14, PSM11, PA14, RTKS10, Wei12, ZZK$^+$14]. **potentials**
[AJRT11, Gon12, JWYH10, KIF$^+$14, KBGO13, LT10b, MTT13, STD14,
VBSK10, WJTY10]. **Power** [CM13, GKG$^+$13]. **practical** [CCGP13, Yok13].
Prager [LGG$^+$13]. **pre** [ZL13]. **pre-displacement** [ZL13]. **precipitates**
[DCVM11]. **precise** [LCK11]. **precision**
[CDSP13, CCB12, CBGK13, FMT11b, IKO$^+$14]. **Preconditioned** [Fat10,
HKM12, LYJ14, AD14, CCW12, HWHW10, MS10a, MP13, WD13b, XJ14].
preconditioner [BNNW11, DDL13, Du11a, LR11, LS13b, MMH12,
SEDW13, SS14c, TEY12, VG14, Vol14]. **preconditioners**
[ABJ$^+$12, BMP14, EL11, MY13, RF14b]. **Preconditioning**
[BGHM13, BSS12, HCH$^+$10, NN12, Pie12, BMR14, CBPS13, CCL$^+$14,
CST12, FAY$^+$13, Lee12a, RVbZ10, Shu14]. **predict** [GSTB13]. **Predicting**
[RKM11, CLS10, RJC13, ZCD10]. **prediction**
[BCW13, CS12c, DMP14, GHM10a, KVM12]. **Predictive** [ECD14].
predictor [CP13b]. **predictor-corrector** [CP13b]. **predictors** [GDHM11].
Preface [AQ11, LPK13]. **Preliminary** [Ste14]. **premixed**
[GG10, Par10, TBMH11]. **prescribed** [MP13]. **presence** [Dai13, SSX13].
preservation [CS10, FF13, PP14, TFP13, ZFJ11]. **Preserving**
[CGM$^+$12, CDK12, Bal12a, BSS14, BRP14, BKC$^+$11, BKV12, CWL13,
CW13, CCGP13, CdCNH14, CLQX13, CS14a, CS14b, DLNN12, DMR14,
FJ10, Fus13, GW13b, GCW14, GJLY13, GXS14, HPA14a, HAS13, HLLW11,
Hua14, JY11, Kaw13, KBS14, KAA12, LP13b, MKCB14, MMR12, MN12,
Mie13, OHF12, Par12a, Par13, QS11b, RSD10, RLJ14, RS11, SY11a, SML13,
TLO$^+$14, VW14a, VKL$^+$13, VBGM13, WZZZ14, WDGY10, WGD12,
WWS13b, XQX13, XQXC14, ZS10b, ZS11, ZS12, ZYS14, CLM13, DDN$^+$10].
Pressure [Hig13, HF11, MKB$^+$12, SS10c, BD11b, CIJS14, CP10, CFKL11,
DF14, FE11, KED$^+$12, KFOS14, KS13a, LLP10, MTSG12, Min13, Par10,
SM11c, SC11, SSL13, SR13d, TM10, Vre14, XPO14, ZGSZ10].
pressure-based [CP10, XPO14]. **pressure-correction**
[BD11b, DF14, SR13d]. **Pressure-velocity** [MKB$^+$12]. **pressureless**
[YWS13]. **pressures** [TK12, TK15]. **Preventing** [JH12]. **prevention**
[NDV$^+$11, SM12b]. **primal** [XJ14]. **primary** [KPH13]. **Principal**
[SBT14, Hua14, MZ11a]. **principle**
[Kol11, SY11a, XQX13, XQXC14, ZS10a, ZZS13]. **principles**
[NMV13, TD11a]. **priori** [FVR13, LLS11]. **priors** [LMM14]. **prisms** [BD13].
Probabilistic
[Gri10, MPPP12b, MPPP12a, FK10, LTT10, LM13, MPS$^+$14, WZ13, WZ14].
Probability [BW14, LX10, LLX11b, VK12]. **problem**
[Alm14, AS12, AH10a, BMP14, Bal14, BGN10, BB13, BFO14, Boo11, BLR14,
BCW13, CFW$^+$13, CLN14, CB12, CRS14, CXZ10, CH10, CV10, CH11a,
GW12, GW14, HLS14, IL11, JRTY11, JR12, KL11a, Lee14a, LLJ10, LW13a,
LN10b, Mét11, Mön13, MCDT12, PBC11b, RSK13, Ren11, SV13, Sti12,

hT10b, TPA⁺13, VG14, Vol14, WPK14, WG11, WLPG11, Xie14b, XL11, YLW10, YD11, YWY10, ZYLK13, RB10]. **Problems**
[YKWS13a, YKWS13b, AB12, AV13, ALR11, AQ11, AC13, AS14, AT13a, APY14, AH10b, AT13b, ABH⁺14, BF14, BHS12, BHS14a, BHS14b, BSSW12, BD10b, BOD11, BDMP13, BvBZ⁺10, BN12, BRS11, BdF10, BDM13, BOK12, BDLGC13, BDKV14, BLY10, BL13, CBPS13, CCFCM11, CNR11, CYK⁺14, CTG12, CCK13, CHHL11, CEL14, CR13, CdCD12, DMHL14, DDF14, Deg11, DLC11, EGW11, EMS11, EWH14, Era13, EO11, ES13a, FGE11, FGR12, FL14, FJ10, GYL12, GW13b, GLSC12, GC11, GJ14a, GLS10, GCLS11, GB13, GBS⁺14, GHH14, GL12b, GLL⁺11, Guy13, HP13, HAMA14, Han11, HHS⁺13, HPS13, HNMM10, HBM13, HWST12, Hen13, HLW13, HSWZ13, HY09, HY10, HY11, HCH⁺10, HAQ12, Hua14, HF10, HWHW10, Ide12, JAX11, JZ10, Jin12, KK10a, KSU13, KS13b, KO14, Le 14b, LKCY11, LY13a, LH10c, LT12].
problems [LLW14, LSZ13, LMS11, LMBB11, LRK11, LWS14, LYD10, LN14, LHM14, MWP14, MKCB14, MBR11, MDTC11, MDTC13, MF14, MM10, MK14a, MNR11, MHHGN14, MWW⁺13, MMH12, MV13, NTV14, NL10, NPV14, NW10, NB14, NKS10, NS14b, OS11a, PGR10, PHRG13, PR11, PvDGvM11, PRL10, QLW14, RCQL11, RA10b, Ric13, RF14b, SKU13, SY12a, SY14a, SSHT14, SR13a, SK13, SY11b, SSG11, SKCC10, SCC14, Shy10, SKN13b, SK12b, SAA14, SIT⁺11, SDH12, SD14c, SN14, TH14a, TD12b, TA13, UJ11, VBVD10, VRB10, VS14, WYYK10, WLW13a, WY11, WCVJ13, WL11, WGD12, ZBS12a, ZBS12b, ZK13, ZF12, ZSW10, Zer10, fZlC11, ZOJR11, Zho10, ZQ11]. **procedure**
[And10, EH14, EH15, FGN14, GW13a, GP13, Her10, KKC⁺13, LCP13, LMZ14, SS10a, TS10, XS15, YWL14]. **procedures** [NEE12, SBB10].
Procesi [YS13]. **process**
[BZ12, BZKL13, BHBM10, JLS⁺14, KKL10, PYK10, SS13b, SS14b].
processes [BHM11, BHM13, BCK11, BBAP14, CHKT13, FHL10, HL11, KL12a, LP12b, LHMZ10, MSS⁺14, RJC13, SJB11, ZM14, ZKKF10].
Processing [HJBB14, SSK⁺12, AM12, AM10, DMP14, GHH14, Ide12, KHRD11, LSK11, LLL10]. **processor** [BGZ12]. **processors**
[CBGK13, KSPP10, LBRA⁺13, Wit13]. **product**
[BGK12, DSZ13, GHDS10, OJW10]. **production** [RKD⁺14]. **products**
[AK10, BBM14]. **profile** [BBF12, LBK10]. **profiles** [CGR11, Ler14].
Programming [BVM14, MNF⁺10]. **Progress** [LRT13, dv23, ISZ12].
project [Rod12]. **projected** [vVVK10]. **projection**
[BB13, BFSVC14, DSHP11, GH10, HLY12, KG13b, PB14b, RV10, Ren11, SM11a, SS13a, SSL13, Vre14, Wan14]. **projections** [KST13, KMSS10].
prolate [Men12, WZZ14]. **prolate-collocation** [WZZ14]. **proof** [GF13].
propagating [LXSR12]. **Propagation**
[Li12, AJRT11, Ald10, AF11, ABK12, ABK13, CZ13, CL11a, CH11b, DRZ14, DKM11, FH11, FJ12, FMM⁺10, GJ14a, Gri13, HBZL14, JPC⁺14, JKR14, KVM12, KEGM10, LH14a, LT11c, LBR14, RT14, RF14a, SCH13b, Soa13, SLC⁺11, TK14, TH14a, TAT14, Tok11b, TD12b, WSBG10, ZMD⁺11].

propellant [DLM$^+$13a]. **propensity** [FWLP14]. **Proper**
[DAA11, Gri12b, WABI11]. **Properties** [LKM13, AR14, AT13b, BMCK10,
BCM$^+$11, BP13b, CS10, CB10, DBHBB13, FD11, GCL13, HTHG14, LTC13,
LKP14, LTL$^+$14, LR13, MPT13, OL13, SSHT14]. **property**
[ANIF14, Mie13, MGN14b]. **proposals** [OJ11]. **propulsion** [BBGP14].
prosthesis [LS13a]. **protein** [EHA14, FCH13, SBA13]. **prototype** [HvB11].
Provably [GH11b]. **proximal** [AKL$^+$13]. **PSE** [CZ11b, SRS10]. **Pseudo**
[MLM12, PAG11, GG14, GVH14, LZC$^+$13, Mac10, MLBS14, MMH12, PE10,
SCH13b, VHG13, Zha14, vRLPK11]. **Pseudo-random** [PAG11].
pseudo-solid [LZC$^+$13, MMH12]. **Pseudo-spectral**
[MLM12, GG14, GVH14, MLBS14, PE10, SCH13b, VHG13, vRLPK11].
pseudo-subcells [Mac10]. **pseudo-time** [Zha14]. **pseudoanalytical**
[MTD14]. **pseudolikelihood** [EHA14]. **Pseudospectral**
[HG10, xLqW13, Brü13, Don11, DBHBB13, GKS$^+$11, Hen13, HT12, HDD12,
PPS12, Sal14, SW11, Yin14]. **public** [BHB11]. **Publisher** [Ano13-53].
PUFEM [EL11]. **pulled** [LEH10]. **pumping** [WS10a]. **PuReMD** [KAG14].
pursuit [SCIE14]. **PVM** [DFNNRdlA14]. **pyramid** [HHA14]. **pyramids**
[BD13].

QCD [APGL12]. **QSM** [ZSW10]. **Quadratic** [BVM14, FKM11].
Quadrature [IAM$^+$12, KBGO13, BK14a, DKR12, SAHS14, VWPF11,
VWF13, VHWF13, YF11, ZKKF10]. **Quadrature-based**
[IAM$^+$12, VWPF11, VWF13]. **quadratures** [BRS10, NCKN10].
quadrilateral [LX13b, WAM14, WDGY10]. **quadtree** [LBT11, PHRG13].
quadtree/octree [PHRG13]. **quality** [GP12b, KS11b, LLS11].
Quantification
[BR14, AC13, AA13, BZ12, BZKL13, CPX13, CNST13, CZ13, JEX10,
JNX13, LTT10, MPPP12b, MPPP12a, SP13, SM12a, WT12b, WI13a].
quantile [KG13b]. **quantitative** [ZTG$^+$13]. **quantum**
[AM13, AF11, ALS$^+$14, CBKK12, GHH14, HWHW10, JC10, JLC14,
JHDC10, MJ14, SD14a, SO13, Wit13, XX12]. **quantum-scale** [CBKK12].
quark [AiINT14]. **quark-gluon** [AiINT14]. **Quartic** [ZSW10]. **Quasi**
[FVR13, GKN$^+$11, Kim13, ADMA13, BG10, BAG12, BD14c, CLSX14,
CRS12, EZ10, GB13, GLL14, NJ12, PT12, TAI11, TM10]. **Quasi-a** [FVR13].
Quasi-Compressibility [TM10]. **Quasi-disjoint** [Kim13].
quasi-incompressible [GLL14]. **quasi-lacunae** [PT12]. **Quasi-Monte**
[GKN$^+$11]. **quasi-neutrality** [CRS12]. **quasi-one-dimensional** [TAI11].
quasi-optimal [BAG12]. **quasi-periodic** [BG10, BD14c, GB13].
quasi-positive [EZ10]. **quasi-static** [ADMA13]. **quasi-uniform** [CLSX14].
quasi-wavelets [YXZ13]. **quasicrystals** [JZ14]. **quasidiffusion** [WAM14].
quasigeostrophic [GM14b]. **quasineutral** [DDS12]. **quasineutrality**
[DDN$^+$10]. **quasistatic** [SLC$^+$11]. **QuickPIC** [ADMA13].

R13 [RTS13]. **racks** [ARF12]. **Radau** [TDL10]. **Radial**

[LSK11, ASS13, ASS17, BFE12, Boy10, BY11, Boy11, FL10, LB14, Pir12, PH13, RA10a, ST13, SPM$^+$13, MPR12]. **Radiation** [VHWF13, BDL11, Den11b, EMSH14, FAY$^+$13, GM10a, GD10, KKLR10, LKM13, LBS10, MSTL13, NB13, Ols11, Ols12, PWB$^+$14, RARO13, RGK12, SS10b, SAHS14, SVS11, She13, WR11]. **Radiative** [WP14, Boo11, CGG12, DTU12, EMK11, GL12a, GS11a, HMOH11, KBGRM10, KS13b, LTSH10, MH10, MSTL14, MTS$^+$11, OHF12, RCCC14, SRS14, WL11, ZYT13, ZTL13]. **radiative-transfer** [DTU12]. **Random** [DG12, GL13, PDC13, STD$^+$10, ARR11, ARR13, Ber14, CW10, CZ13, GKN$^+$11, HPS13, Hel11a, Hel11b, HW14c, KSK13, LJ13a, LTT10, MTAC12, MJM13, MMJ14, PBB14, PSDF13, PAG11, Ran12a, RWX11, SJ10, Wan13a, ZT10b]. **Randomized** [KSK13]. **range** [AF13, JSX10, PA12]. **rank** [DST14, HW11, Ran11, Ran12a, Ran12b, Val14]. **Rankine** [Guy13, ZMD14]. **RANS** [ECD14, GHS13, HHL11, WMYYG10, XJ12]. **RANS-LES** [GHS13]. **rapid** [VBSK10]. **Rapidly** [BD14c, JM12, STD14, Sto13]. **rare** [LLX11b]. **rarefied** [BCHM14, BM14, CVIA10, GJ14b, LXM14, MZ11d, RTS13, Tit12, TA13, XH10]. **rate** [HAD10, JW11, JXD14, MMSI13, MPPP12b, MPPP12a]. **rates** [SR13a]. **ratio** [BLR13b, LP13b]. **rational** [BX12, CHHL11, HLW13]. **rational-function** [HLW13]. **ratios** [AF13, CCKCG10, DS12, Hel11a, HK11, KG13a, LRT13, MOV12, Par10, dv23]. **ray** [RKD$^+$14]. **Rayleigh** [And10, CLAL14]. **RBC** [Ler13, Ler14]. **RBF** [BMCK10, BMK11, BMK12, BFE12, Boy11, DO11a, FLB$^+$12, FL11b, HCD11, KBGRM10, MDTC11]. **RBF-FD** [BFE12]. **RBF-generated** [FLB$^+$12, FL11b]. **RBFs** [Boy11, MDTC13]. **re** [CRS14, Den11b, FB11, HAH14, MD14]. **re-averaged** [HAH14]. **re-emission** [Den11b]. **re-entry** [CRS14]. **re-initialization** [FB11, MD14]. **reacting** [HK13, KSR$^+$14, LI14, MFM12, PZW14, PZG14, SRN10, VWP11, YYB12, vVVK10]. **Reaction** [Sch13a, AV13, Atz10, BCK11, BBAP14, CYK$^+$14, DL13c, DBO$^+$10, FHL10, FF12, FWLP14, Gui12, HL11, HLDP14, ISZ12, JZ13, LCWN12, LHMZ10, MSS$^+$14, MPPP12b, MPPP12a, MT14a, Nag14a, Nag14b, PBB14, SR13a, TCW$^+$10, ZLCW14, ZOL$^+$11]. **Reaction-diffusion** [Sch13a, Atz10, BCK11, BBAP14, CYK$^+$14, FF12, FWLP14, HL11, HLDP14, LCWN12, SR13a]. **reaction-diffusion-advection** [ZOL$^+$11]. **reaction-drift-diffusion** [MSS$^+$14]. **reaction-subdiffusion** [DL13c]. **reactions** [BSDM12, KLB$^+$14, KF13b, PDC13, Pud11]. **reactive** [BR11, Cam13, CGC$^+$12, CGF$^+$13, KIF$^+$14, KAG14, MKCB14, NV14, NMV13, NS14a, PP14, RXLS14, TLG10, VTTK13]. **reactive-flow** [NS14a]. **reactor** [MAK14, SSFM12]. **real** [BSCML13, BBF12, BB12b, CGF$^+$13, HPA14b, ITO$^+$10, NIN$^+$14, RPC14, UN13, VSC$^+$11]. **real-space** [HPA14b, ITO$^+$10, NIN$^+$14]. **real-time** [BSCML13, NIN$^+$14]. **ReALE** [LMS$^+$10]. **realizability** [OHF12]. **realizability-preserving** [OHF12]. **Realizable** [VWPF11, VWF13]. **really** [Den11a]. **recognition** [NKSR12]. **reconnection** [LMS$^+$10]. **reconnection-based** [LMS$^+$10]. **reconstructed** [LLN$^+$10, LXS$^+$13]. **reconstructing** [CF11c, KSS14]. **Reconstruction**

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KJ11, KD10, KL10b, KAA12, Kri10, KHGW13, KGK13, LNU10, LGH10a,
LBM10, LBT11, LTCN13, Lee13, LP12b, LKLG14, LLJ10, LLX11a, LT12,
LZ13, LY13b, LD14, LL14a, LEHA10, LJG14, LYXZ14, MKCB14, MMR12].
scheme
[MB12, MAB⁺13, MB11, MN12, Mie13, MT10, Min10b, MMA11, MMA13,
ML13, MTS⁺11, MAD13, MY14, MHGNM12, MHHGN14, MV13, NYM13,
NKSR12, NRS10, NMZC13, NL12b, NMT⁺12, Nor14, NT14, OAK11, OD13,
PZTW12, PGL11, PLN11, QL12, RARO13, RP13, RzSZ13, Ren11, RRCD14,
RS11, SK13, SBS11, SQC11, SZ11, SZH12, SY11a, SY12b, SCY11, SML13,
SSHM10, SR13c, sSLxRyZ14, SBO11, SIDG13, SS10d, TiI11, TH14a, TK12,
TK15, TY11a, VXB14, VBGM13, VW14b, WFK11, WA12, WMI10,
WYYK10, WYS12b, WXY13, WZZ14, WXY14, WGD12, WYT14, XIC11,
XH10, XW10, XX13, YHT11, YT12, YSW⁺13, YSW14, YWY10, YZ12,
YHM12, YYB12, Zer10, ZN14a, ZzS11, ZYS14, ZDSP11, Zie11, vL11, SGW10].
schemes [AINF13, ANIF14, ALR11, Ain14, AN13, ADB14, BK11, Bal12a,
BMD⁺13, BH12, BHL⁺13, BBC⁺13, BF12, BR14, BR12a, BK14b, BBD14,
BDMV11, CCKCG10, CCGP13, CCD11b, CY12, CSK13, CRT14, CDLL12,
CP13b, CSC14, CG13b, CMS10b, CLM13, CR14, Dai13, DEH11, Deg11,
Del10, DMT⁺11, DMM⁺13, DB13, DA14, DZHB13, DKM11, EAN11, Fan14,
FNGV14, FJ10, FCYF11, FC13, FMT11a, FE11, FMM⁺10, GDHM11, Ger12,
GMA10, GP12a, GJLY13, GCL13, GK14, GLWW14, GDGP11, GGT13,
HHS⁺13, Hic12, HY10, HAS13, HLLW11, JTT14, JY11, Joh11, JH12, KM14a,
Kaw13, KKvZB14, KWJR14, KJWR14, Kim13, KS13a, Kol11, KVBP⁺14,
LTC13, LEM11, Ler13, Ler14, LQ10b, LR12, LZZS13, LY14, LQ11, MC12,
Mar10b, MTB10, Mig14, Mön13, MMT14, MT14a, MSB14, Mor10, MPT13,
MGN13]. **schemes** [Mur10, NMCZ14, NDB12, NDBG14, Nis14a, Nis14b,
Nor13, OAXL13, PDSS10, Par10, Par12a, Par13, PP12, PP14, PR14b, QL11,
RSD10, RBS12, RZ10, RXLS14, RA10b, Rie10, Sen13, SLT⁺14, SZ10, SST10,
SRL⁺11, SN14, TD12b, TTD11, TAD14, Tsu10, TGGT13, ULS13, VDD⁺13,
VWPF11, VWF13, VQRD11, VCJ11, VR14, VQVD11, WPP10, WYS⁺11,
WZSN12, WGX13, WV14, WLW13b, WCVJ13, WG11, WDGY10, WG14,
Xie14a, XQX13, XQXC14, XS11, XMS12, ZS10a, ZS10b, nZzS11, ZS11, ZS12,
ZZS13, ZY13, Zha14, ZQ13, vEKdB14]. **Schmidt** [AGBC14, CG13a].
Schrödinger [AMDR10, BTX13, CWL13, DBAV14, Don11, GH12a, HZ11a,
JWYH10, LQ10a, MJK13, MZB12, QY10, RS13b, RS14b, SSR14, ST11a,
SYE10, WXY13, WGX13, WXY14, WJTY10, ZD11a, Zho14b].
Schrödinger-type [AMDR10]. **Schumann** [Liu11b]. **Schur**
[FMT11b, LTSH10, LYD10]. **Schur-decomposition** [LTSH10]. **Schwarz**
[HWHW10, JC13, LLP14, VG14, YJK12]. **science** [CJP⁺14]. **scientific**
[AC11]. **scientists** [PZ14]. **SCIVAL_BUTTERFLY** [Ano12-32].
SCIVERSE_APPS [Ano12-34]. **SCIVERSE_SCIENCEDIRECT**
[Ano12-35]. **scrape** [MMIW14]. **scrape-off** [MMIW14]. **screens** [BL13]. **SE**
[CWL10]. **sea** [LTS⁺10, LKT⁺12, LKLG14, LFLV14]. **seakeeping** [SCGE13].
search [RS13a, Rot13, SAM10, ZD12]. **Searching** [Mac10, Phi14]. **Second**

[CS14b, GLWW14, HH12a, JRTY11, JKQ13, ML13, Ols11, RA10b, Wit10, ZCW11, AT13b, BH12, BWC11, BvBZ$^+$10, Bre12b, CS12b, CPCU13, CH10, CSX14, DFNNRdlA14, EO11, GM12a, GH11b, GITW12, HWST12, Hua14, JLZ13, KK10a, KKLR10, KSS14, KKS13, KS11c, KSR$^+$14, KL11a, LKLG14, LWS14, LJG14, LM13, Luo13, MDTC11, MDTC13, MF14, MB12, MAB$^+$13, MT10, MTG11, MWW$^+$13, Nis14a, Nis14b, PSL20, PL10, PRL10, SSHT14, SBS11, TAI11, TDVG13, WPP10, WLW13a, WG14, ZZS13, ZTL13, ZF14, ZWH$^+$12, vHtTBC11]. **second-** [Nis14a]. **second-kind** [KS11c, PSL20]. **Second-order** [HH12a, ML13, ZCW11, BH12, BWC11, Bre12b, CS12b, CPCU13, CSX14, GM12a, GH11b, Hua14, JLZ13, KSR$^+$14, LKLG14, LWS14, LJG14, LM13, MDTC11, MDTC13, MF14, MB12, MAB$^+$13, MT10, MTG11, PL10, TDVG13, WPP10, WLW13a, WG14, ZF14, ZWH$^+$12]. **secondary** [KPH13, MK14b]. **section** [LH13, MBMV13]. **sedimentary** [LMQ$^+$11]. **sedimentation** [BDMV11, FNKdLB13]. **segregated** [SS10a]. **seismic** [KEGM10, LDN$^+$10, Mét11, MBL$^+$14, SCH13b]. **Sekerka** [BGN10]. **Selection** [KL14a, LMM14, AR14, EWH14, RA10a, WI13a]. **Self** [Bal12a, DH13, YTYJ12, Bal14, BBGP14, BDLGC13, CN10, ID10, KKLR10, KA13, LZC$^+$13, MdVBS13, Phi14, RSS12, SBS11]. **self-adaptive** [ID10]. **self-adjoint** [SBS11]. **Self-adjusting** [Bal12a]. **self-assemblies** [LZC$^+$13]. **self-assembly** [KA13]. **self-consistent** [KKLR10]. **self-focusing** [MdVBS13]. **self-force** [CN10]. **Self-gravitational** [YTYJ12]. **Self-organized** [DH13]. **self-organizing** [Phi14, RSS12]. **self-propulsion** [BBGP14]. **self-similar** [Bal14, BDLGC13]. **Semi** [Ald10, ABJ$^+$12, CK11, MBD13, PBB14, SZF12, AC13, BK11, BS10a, CCD11a, CdCNH14, CPCU13, CGMQ14, CP13b, CSC14, CMS10b, DHH11, GH12b, GQ13, HLM11, JSA14, KGKS13, KG11, LNU10, LGF11, LVFK14, MV13, NDV$^+$11, PB14a, QC10, QS11a, QS11b, RS10a, RS11, RS13b, RS14b, SH11, SKt10, TS12, TBR13, VXB14, WYS12b, WD11, XQXC14, Zer10, ZYS14, Zie11]. **semi-** [KGKS13]. **Semi-analytical** [PBB14, LVFK14]. **Semi-automatic** [ABJ$^+$12]. **semi-classical** [RS13b, RS14b]. **semi-discrete** [Zie11]. **Semi-implicit** [MBD13, SZF12, BK11, CCD11a, CPCU13, CP13b, DHH11, JSA14, KG11, RS10a, SH11, SKt10, TBR13, ZYS14]. **semi-implicit/implicit** [SKt10]. **semi-infinite** [BS10a]. **semi-intrusive** [AC13]. **Semi-Lagrangian** [Ald10, CK11, CdCNH14, CGMQ14, CSC14, CMS10b, GH12b, GQ13, HLM11, LNU10, LGF11, MV13, PB14a, QC10, QS11a, QS11b, RS11, TS12, TBR13, VXB14, WYS12b, WD11, XQXC14, Zer10]. **semi-staggered** [NDV$^+$11]. **semiclassical** [LX14, WJTY10]. **Semiconductor** [SRN13, ÁCB12, CGR11, LS10a, MZB12, SO13]. **semiconductors** [RJG10]. **semidefinite** [MNF$^+$10]. **semilinear** [ARR11, JZ13, RT14]. **semirelativistic** [MTSG12]. **semitransparent** [ZYT13]. **sensitivities** [TAI11]. **Sensitivity** [KWHD12, XMS12, BW14, CEP12, DRB14, HBAP10, KJC13, LA10, MRS14b, PGLK14, SG13, TNK10, VS11, Wan13b, WHB14, WH11, WG11]. **sensor** [DEH11]. **separable** [BZKL13]. **separated** [Val14]. **separation**

[Abr10, Alb10, HA11, KF13b]. **sEPIRK** [RT14]. **sequences** [EHA14].
Sequential [NMX12, BVM14]. **serial** [LKT$^+$12]. **Series**
[BY11, Boy10, CM13, Gno14, RH13, ZHPS11]. **servers** [RSFS13]. **set**
[BOD11, BW13, BV14, BGG12, CKS14, CP12, CZL10, CWL10, CLW10,
CB10, CV10, CF11c, CKR14, CST10, DCVM11, ELM14, FB11, GRT12,
HMS10, HQL$^+$10, Hys12, KL12a, KAFB11, LSM14, LP13a, LDM14,
LLYE12a, LLYE12b, LWF11, LZZR10, MCLG10, MD14, Min10a, NRS10,
NW10, OD13, PHRG13, RB14, SOG14a, SM11a, Sam14, SN12, SZ10, SKR14,
TVEC12, VDD10a, VB13, WSS12, WJTY10, WZ10, XYL12, XR14, YYY$^+$14,
YL14b, ZT10a, fZlC11, ZLL10, ZWL10, ID10]. **set-based** [WZ10]. **set-front**
[BW13]. **set-volume** [WSS12]. **sets** [ABD14, CCFCM11, SJ10, WMI10].
setting [RSS10]. **seven** [BY11]. **several** [BJLR14]. **severely** [DKC14].
severely-truncated [DKC14]. **SGS** [PVLT10, PGL11]. **Shadowing**
[WHB14]. **Shafranov** [PCF$^+$13]. **Shallow** [FLB$^+$12, AIX10, ABS$^+$14,
BNT14, BF12, CVC12, CRG13, CLSX14, CT14, DLGP13, DFNNRdlA14,
DMMGM14, DKA12, DLM13b, DLM13c, FNKdLB13, FMT11a, Gas11, IX10,
Ion13, JTT14, KJ11, LT11a, Le 12, LBT11, LGLX14, MHGNM12, MGN10b,
MGN11, MGN12a, MLGN12, MGN12b, MGN13, OBT12, PE10, PBM11,
Pud11, RBS12, RVFK14, SHR13, SST10, SN13b, TS12, TBR13, UJvL10,
Xin14, YC11, Zho11, vTCL$^+$10, vV12, RB10, SP14a]. **shallow-water**
[BF12, CT14, Le 12, SHR13, TS12, UJvL10]. **Sham**
[FGZ12, LLYE12a, LLYE12b, LSE13, MNL$^+$13, SL13a, SBO11, ZCS14].
Shannon [GPS10]. **Shape**
[TNK10, WS10a, AJV11, BMK11, BMK12, DRB14, HBAP10, KIG11,
MGN14b, STC10a, SM10, TDVG13, WFL10, ZMG11, ZWL10, ZPGO10].
shaped [HZS12, Par12b]. **shapes** [SHFB12, SJ10, SDH12]. **Shapiro** [Fal13].
shared [NS11b]. **shared-memory** [NS11b]. **Sharp**
[CCGP13, Bea12, CDT13, DvW14, FK14, HHA14, HWW10, KSU13, LP13b,
LZZR10, SN13a, SM11c, TDVG13, ZJL$^+$14]. **sharp-edged** [HWW10].
sharp-interface [CDT13, SN13a, SM11c]. **sharpening**
[NKF14, SX14, SHA12]. **Shaw** [GXX14]. **shear**
[BKW10, CD12a, CLG13, CZ11b, CSKP10, GDY10, HCS12, LW11, LDE$^+$13,
RG12, SH14, SL13b, Wan13a]. **shear-stress** [SH14]. **Sheath** [PSM13]. **sheet**
[Alb10, LPE$^+$11, LJX$^+$14, PTM13]. **sheets** [CMG$^+$13, JG13]. **shelf** [PTM13].
shell [Brü13]. **shells** [BHS14b, GNGAS10, GBNS14, JNW$^+$14, LT10a, LW11].
Shepp [BY11]. **Sherman** [CP14]. **shielding** [NB13]. **shift** [OMCO14].
shifted [CH10, SHZF12]. **ship** [PMMB14]. **Shock**
[BD10a, KS11a, KYP$^+$14, PB11, AH13b, CHC11, Coo13, DEH11, HRBK10,
Ian11, JLB$^+$10, KS13a, Ler14, NHE14, NVS13, OAXL13, PPWZ11, RCQL11,
RZ10, SBC$^+$14, Sco12, SZ11, YKWS13a, YKWS13b]. **shock-bubble**
[HRBK10]. **shock-capturing** [YKWS13a, YKWS13b]. **shock-detecting**
[DEH11]. **shock-disturbance** [RZ10]. **shock-fitted** [NHE14]. **shock-fitting**
[PB11, PPWZ11, RZ10]. **shock-stable** [KS13a]. **shock-structure** [Ian11].
shock/complex [SZ11]. **shock/obstacle** [CHC11]. **shocks**

[Gno14, Ler13, Ler14, SG13, TAI11]. **Short**
[iT14, BDT10, Don11, Gon12, SSL13]. **Shortley** [JM10]. **shot** [DRB14].
shrinking [ZD12]. **side** [SMP⁺13]. **side-by-side** [SMP⁺13]. **sided**
[HH12a, MY13]. **Sign** [Hua14, SKCC10]. **sign-changed** [SKCC10].
Sign-preserving [Hua14]. **signals** [BGM12, BH13c]. **signed** [ERT10]. **silica**
[KIF⁺14, MPWK13]. **silica-water** [KIF⁺14]. **silicon** [KIF⁺14].
silicon-water [KIF⁺14]. **similar** [Bal14, BDLGC13]. **similarity** [Deg11].
simple
[BD14a, CLZ12, DV13a, GM12b, GITW12, GIMT14, GT11, KST10, NKF14,
Ran12b, TGO13, WYS12b, XIC11, YS12a, YSW14, Zer10, ZS13, KKO13].
Simplex [WI13a, SD14c, WI13b, YD12]. **simplified**
[BLRR11, Don11, GHM14, OLFS13, Tau12]. **simplifying** [LEM11].
simulate [DRZ14, FRP14, Ich13, TQW14, WYYK10]. **simulated** [SHFB12].
Simulating [De 10, GWG14, HZ11b, KL10a, LP12b, MNKS13, NW12, RR14,
ACB⁺13, CD13a, CTP13, FMM⁺10, HKL14, JCT11, KLMJ12, Liu11a,
LHPH11, LHMZ10, MAB⁺13, MCJ14, MRD13, RS10a, SY12c, SM12c, TK12,
TK15, VDD10a, VRBZ11, Wei12, WS10c, ZA14]. **Simulation**
[AMDR10, BCL13, CCKCG10, CMS10a, CKD10, FK14, HM13, LZC⁺13,
MFM12, MDH⁺10, MLBS14, NVS13, PMM⁺11, SKU13, SBS⁺13, WYC13,
YS11a, YS11b, YM10, Zha10a, ALGB⁺13, ADSF13, AST12, ABK12, ABK13,
AKL⁺13, BVM14, BPM13, BHM13, BBCH⁺12, BGGW13, BA10, BBC⁺13,
BI11, BCD14, BCL14, BPOS12, BJLR14, BHM14, BP10, CCD11a, CKS14,
CCFCM11, CD12a, CD10, CBKK12, CDT13, CWL10, CW10, CWC11,
CW14a, CPCU13, CWZ⁺11, CVI⁺13, CGF⁺13, CBCM⁺11, DR11, DLDL10,
DV13b, DD12, DM13, DLM⁺13a, DWZ10, DL10c, EBGW13, FHL10,
FWLP14, Fus13, GLLP14, Gao13, GCA13, GCFJ13, GP12a, GW10, GHM13,
GP13, HS13a, HSD11, HRBK10, HL11, HLDP14, HB13, HH12b, HH13,
HA11, HCS12, HHL14, HWHW10, Hys12, JNSA12, JTT14, JYHT10, JEU11,
JLS⁺14, JK10, JMGN13, KH13, KSL10, KM13]. **simulation**
[KF12, KSP13, KH11, KL10b, KO12, KHJ⁺13, KA13, KHHK12, KAG14,
LFL11, LA10, LCNK10, LSBJ14, LHY13, LMZ14, LWZ⁺13, LFRM10,
LZV12, LGH10b, MB10a, MS14a, MMSI13, McD14b, MTT13, MGLS12,
MVS13, MJ13a, MF10, NT14, Oli14, OL13, OTV13, OAK11, OLPM14,
PZW14, PZG14, PGLT10, PL14, dlLPC10, dlLPCP12, PPWZ11, RVB10,
RG13, RZ10, RRD⁺14, SBB13, SPS14, SZF12, SR13b, SZ10, SFCF10, SYJ11,
SO13, SPF10, Shu14, SCH13b, SW10, SS13b, SS14b, Ste14, SSK⁺12, SSY13,
STC10b, TSL⁺14, TE14, TD12a, TAAY14, TRSMM⁺13, TRL14, Unf13,
VDD10b, VBGM13, VSC⁺11, WPKK12, WWX⁺10, WDP⁺14, WK13b,
WS14, WTSZ10, XX12, YSW⁺13, YSW14, YL10, YJK12, ZYHW13, ZN14b,
ZMD14, Zoh13, vRLPK11, RS10b]. **Simulation-based** [HM13].
Simulations [FSL⁺12, GCvRK11, MMV⁺13a, MT14b, Qua11, RG12,
ARR13, AAI10, AHS14, ADT14, AWK⁺11, AJG⁺13, AW14, BHB11,
BCHM14, BB12a, BHM11, BNM14, BILM14, BPQO13, BPS14, BSS14,
BSCML13, BLJ11, BLR13a, Bre12b, BM14, BLY10, CB11, CNR10, CCL⁺14,

CY14, CVIA10, CSK14, CGMQ14, CBGK13, CL13, CSB14, CLAL14,
CGC⁺12, CMBW13, Dav10, Dav15, DHN11, DD12, DC13, DXB⁺13, DTU12,
DS12, DKC14, DBM⁺12, ECD14, ES13b, FBM14, FLB⁺12, GB14, GV13,
GLC⁺11, GAV13, GK10, Gri12b, GFK13, GWK10, GH12b, GKS⁺11, HAD10,
HCS⁺10, HCH⁺10, Hut14, IFD⁺12, ILM⁺13, JLB⁺10, JMV⁺12, KSS14,
KF13a, KM11, Kea14, KLP10, KIF⁺14, KLPS14, KSB12, KWH10, KA12,
KHRD11, KG14, KYP⁺14, KF13b, KGSS10, KGK13, Lan14, Lap12, LL10a,
LY13a, LH10b, LLX11a, LEH12, LC13, LS10a, LT11b]. **simulations**
[LHB10, LBZ⁺10, LWCR10, LYXZ14, LDDBR13, MHL⁺14, MMM11,
MdVBS13, MOV12, MGN14a, MJK13, MJ14, MMA11, MMA13, MVCFM13,
MJ13b, MBGW13, NKSR12, NS14a, NS11b, OK12, OBT11, PPS12, PAG11,
PSF⁺14, PC13, PA12, PA14, QB14, RSS12, RXLS14, RBNS⁺12, RBNS13,
RRCD14, RPC14, RHGT10, RDHK12, RSFS13, RB10, RBCK10, SNS10,
SBN12, SKN13a, SM12a, SM12b, SJB11, SNBN13, Sch13a, SD14a, SCGE13,
SQC11, SSB⁺12, SC11, SHA12, Sog14b, STD⁺10, SG13, SSK⁺12, SS13c,
Tau12, TCW⁺10, TDL⁺14, VHG13, VF10, VKBK11, VCS14, WZG⁺13,
WP10, WRH10, WZT⁺14, WY10, WY11, XDZ⁺14, YCY11, YFL⁺13, Yok13,
YBK13, Zha14, ZYF⁺10, ZJT10, vydCNS⁺10, CP13a, Den11a]. **simulator**
[AGSG11, LS10a]. **simultaneous** [RUL⁺13]. **Sinc** [ZN10]. **sine** [CCC12].
Single [HPA14b, BB13, GCvRK11, HL11, KSPP10, KO12, LC13, LLSW14,
PRH⁺14, PBM11, SSS10]. **single-block** [SSS10]. **single-cluster** [KO12].
Single-cone [HPA14b]. **single-drop** [BB13]. **single-particle** [LC13].
single-phase [PBM11]. **singular**
[AM11, BG12, BG13, DTYY14, FO11, HdCNT12, YXZ13, ZN10].
singularities [LQ11]. **singularity** [RM12]. **sink** [CD12a]. **sintering**
[ZKKF10]. **six** [HdCNT12, PS14a, PS15]. **six-dimensional** [HdCNT12].
six-equation [PS14a, PS15]. **sixteen** [KM14b]. **sixth**
[NDBG14, SZ10, sSLxRyZ14, TGGT13]. **sixth-order** [NDBG14]. **Size**
[VLM13, JWNL11, JW12, NIN⁺14, RPV13]. **size-** [JWNL11]. **Size-velocity**
[VLM13]. **sized** [JLS⁺14]. **Skew** [Mor10, MK14b]. **Skew-symmetric**
[Mor10, MK14b]. **skewed** [Cha14]. **skewness** [DvW14]. **skill** [BGM12].
SLAP [Ald10]. **Slater** [Don11, ZD11a]. **slender** [BM11, FRP14]. **sliding**
[BD10b, DL10c, FW12]. **slip** [RPV13, SR11, UGF14, VM10, Vre14]. **slope**
[Kuz14, MMD⁺11]. **slope-limiting** [MMD⁺11]. **slopes** [JMGN13]. **sloshing**
[KGG10]. **Slow** [HNMM10, Abr10, Chi12, LRS10]. **Slow-time** [HNMM10].
small [AST13, BBD11, FF13, GW13b, LKTL10, LHB10, MGJZ10, Wan13a].
small-perturbation [LKTL10]. **small-scale** [AST13, LHB10]. **smallest**
[And10]. **smart** [EO11]. **Smith** [KSPP10]. **smooth**
[BL10, GPY14, LB10, Mel11, RSS13, ZN10]. **Smoothed**
[OS11a, PTM13, PBT14, Pri12, AHA12, AHA13, BLOdV14, BPHK13,
LXSR12, LEHA10, LBK10, Ros10, Soa13, TP12, Zha10a]. **Smoother**
[vdVR12a, vdVR12b]. **smoothers** [BGR11, Lan14]. **smoothing**
[TM10, ZL13, ZWJW10]. **smoothness** [FSTY14, HKLY13, iIT14, ZJW12].
Sobolev [CJM13, MS10b, MS11, RSS10]. **socket** [LS10a]. **soft** [LG14].

Software [OK13, DKH11]. **SOI** [GM11b]. **solenoidal** [AH10a, SCIE14].
solid
[AGBC14, ABHS12, BOD11, BN11, BSDM12, CWC11, CHHL11, DLM$^+$13a,
DKW10, ETW10, FG12, GPY14, GM12a, GKF11, GF13, HW14a, KK14,
KSR$^+$14, LZC$^+$13, MNKS13, MMH12, OLPM14, SSY13, WZT$^+$14, ZL10].
solid-fluid [ZL10]. **solid-liquid** [HW14a, SSY13]. **solid-solid** [KK14].
solid/fluid [BOD11]. **solidification** [BKKD14, JLS$^+$14, RR14]. **solidifying**
[KBTD12]. **solids** [BHS14a, HPOM10, LYE10, ML14a, MRD13, MVS13,
SSB13, SNBN13, VSC$^+$11]. **solitary** [BX12, SC12]. **solitons** [BTX13].
soluble [BS10b, CL14b, GT12, KT14, LZ10, MT14b, TSLV11]. **solute**
[CVC12, GMG12, MKCB14]. **Solution**
[BFE12, CGG12, GHH14, MZB12, RBS12, SHZF12, SC12, ZD10, AJ14, AS14,
AK12, AME14, AT13a, ABH$^+$14, ABPSM11, BSSW12, BGR11, BFO14,
Bér11, BS11a, BSB14, BHBM10, CX13, CD13b, CGC13, CRS14, CLS13,
CTSM13, Dad12, Deg11, DBAV14, DHH11, DFW$^+$10, DTYY14, EL11, FT12,
FM13, FWP13, GG10, GLS10, GDW11, GPS10, GKG$^+$13, GL12a, GHJ14,
GCH14, HM11, HP13, HGW11, He13, HLS14, HKM12, HOK10, HW10,
HZS12, HLW13, IL11, IDNG13, IG14, JWV12, JTH10, Kat14, KBGRM10,
KG13c, Kri10, KO14, Le 14b, Lee13, LBCL13, LH10c, LW13a, LLP14,
LRK11, LTL11, MZ10, MMV$^+$13b, MA13, MAK14, MM11, MSTL13, MY13,
MVG11, MJ13b, OK14, OS12, PPB14, PE10, PMSM12, PLN11, Pud11,
RE13, Sal14, SVS11, SCY11, SSX13, SR13c, SW13, Stu10, SP11]. **solution**
[SS14c, Tal13, TWMM14, Tok11a, TE11, Wal13, WKMJ13, WLW13b, WG11,
WS11, Xie14a, YC11, ZN10, ZBS12a, ZBS12b, ZYLK13, ZTL13, ZPF10,
ZMD14]. **solution-adaptive** [GG10, IDNG13, IG14, MJ13b, WS11].
solutions [AEM13, AH10b, BOK12, BDLGC13, BHL12b, BKV12, CJP$^+$14,
CM10, DXB$^+$13, EC13, FO11, Gno14, GAW$^+$14, HM10, JHDC10, KS11b,
Kol11, KS13b, KG14, KRT14, xLqW13, LHMZ10, LHV13, MS11, MP13,
MGN10b, PBB14, SRSV11, SYL10, SYL12, SHM12, SSR14, SPM$^+$13,
TCL11, VK12, WCM$^+$14, WC14a, WTK14, WWS$^+$13a, XX13]. **solvable**
[GM11a]. **solvated** [GK13]. **solvation** [CBW10, CLW10, DXB$^+$13, Zha14].
solve [BR11, CGJ11, GMG12, LLJ10, NLGL14]. **Solver**
[MMJ14, AH13a, ARR11, AAI10, AiINT14, AB11, ABS$^+$14, Bal10, Bal12b,
BDA14, BHL12a, BD14a, BLM$^+$14, BYCC14, BKH12, BLTO11, Bre12a,
BL13, CCT11, Cap11, CMS10a, CK10, CCW12, CDB13, DDM10, FGZ12,
FW12, FMT11b, GK13, GMC13, GM12a, GB13, GG13, Gra10, GHL14,
Guy13, HGSK$^+$13, HSN13, HRCW13, HG11, HMHO13, HPOM10, HHK13,
HPLS10, HT12, KB14, KKO13, LP13b, LXF10, LLX11a, LFLV14, LL12b,
LL10b, Mar13, MGN14a, MB10b, MHGM14, MLGN12, NNS11, OR10,
OLPM14, PCF$^+$13, PBM11, Rie11, RB13, SBB13, SV13, SY12a, SY14a,
SABH11, SP14a, SLI10, SYY14a, SYY14b, SSG11, SGL14, TWMM14, TT10,
UN13, VV13, VED13, VT13, Vol14, WT13, WHT14, WSW13, WP14, YS11a,
Yao14, Yin14, YYB12, YXD$^+$14, ZVNM10, ZCW11]. **Solver-based**
[MMJ14]. **solvers** [APGL12, AD14, BS14b, BBD14, BL10, EMS11, FO11,

JS13a, LL14b, LB10, MCLG10, MCDT12, MGN11, MGN12a, NTV14,
NGV14, OS11a, PG11, PBM11, PNPF10, PVDW14, PR14a, SHZ13, SF12,
SHM12, SEDW13, TDU14, WKH10, YS11b, dPSS12, vVVK10]. **Solving**
[AM11, BWMG14, CT13, JU10, LS13c, MBR11, SSS10, XM14, BHS12, BY11,
BKW10, BL11, CEGG14, CTG12, CL14b, CW14b, CL11b, CCG11, DMHL14,
DAEB13, ES13a, EMSH14, GCZ13, GM10b, Gri12a, GT11, HAMA14,
HHS⁺13, HHGC14, HWW10, HSWZ13, HAS13, JC13, JW11, KSU13, Kha13,
LPE⁺11, LKT⁺12, LLZ11, LTSH10, LRLL11, LT12, LR12, LD14, LSE13,
LL14a, LWS14, LBM14, LYD10, MMM13, MS14b, MM12, Mön13, NJ12,
PDZ⁺14, PVLT10, PGL11, PRL10, Pir12, QY12, RM12, SS11, SML13,
SKCC10, ST11a, SYE10, SIT⁺11, TDVG13, TY11a, VMA14, VBCM10,
WLW13a, WPK14, XLD⁺11, XCL14, XJ14, YVL⁺11, YO11, YXZ13, YK12,
ZMQ13, ZTG⁺13, ZYS14, ZLH12, ZCS14]. **Some**
[GCW14, LWS14, XH13, CHHS11, JS13a]. **sonic** [AL10, PMM⁺11].
Sørensen [OBT12]. **sound** [KVM12, SM11b]. **Sounding** [HMOH11].
soundproof [SKW14]. **Source**
[BCM12, BCB12, CD12a, CEK14, CM10, HQL⁺10, LHB10, LQ11, LBS10,
MPS⁺14, MAD13, MCDT12, MGN10b, MGN12a, Nis12, NF12, RF14b,
WSYS12, WKMJ13, YKWS13a, YKWS13b, ZS11, ZMD14].
source-and-sink [CD12a]. **Sources** [LKCY11, CB12, CG13b, FJ10, KNR11].
South [OMCO14]. **Space** [AS14, SBvdV11, AJ14, BBC⁺12, BB12b, BL13,
BTY14, CP13a, CB14, CRS14, CXLC12, CH10, CKR14, DBM⁺12, DZHB13,
FL11a, GAvdVB14, hGzS13, GG14, HPA14b, HBM13, HL12a, ITO⁺10, JK10,
LE13, Lap12, LSW14, LS13d, MWP14, MK14a, MdVBS13, MST14, MY13,
NIN⁺14, NB13, Phi14, QY12, RSS13, RC12, RCvdV13, Rot13, SHR13,
SSS11, SAHS14, SSR14, TH14a, TA12, TAAY14, TvdHS⁺12, TD12b, TTD11,
UGkM13, WYYK10, WXY13, WD13a, WD13b, WD14, WXY14].
space-filling [MWP14]. **space-fractional** [MY13, WD13a, WD13b, WD14].
spaced [BH13c]. **spaces** [SL13a, TG14b]. **spacetime** [KMHJ10]. **Spalart**
[CDB13]. **spall** [CWL10]. **Sparse**
[GS11a, LP12a, And10, ABJ⁺12, BGZ12, BK12b, BS11b, DO11b, FGR12,
JAX11, KL14a, LWD13a, LWD13b, LTT10, PHD14, Per13, ZCS14]. **sparsely**
[BM13b, BH13c]. **Spatial** [LM13, ANIF14, BHY14, BMR14, CZ11a, CTJT13,
Den11b, DSHP11, FWLP14, HL12a, JEU11, LY13b, LS13c, MMR12, MLM12,
SLH⁺11, TDU14, WI13b, YB14, ZY13]. **Spatially** [Atz10, LEH10, LEH12,
PHSA14, TA13, AJ14, GHM10a, MCJ14, SR13a, TGO13].
spatially-extended [MCJ14]. **SPDEs** [CSK13]. **special**
[AQ11, QY12, Ros10, ZT13b]. **special-relativistic** [Ros10]. **species**
[Boy11, Tok11a]. **specific** [AKL⁺13, HK11, IWG13, KVC⁺13]. **Spectral**
[CD13b, CCC12, GHM12, GCL13, JCC14, JHZ10, KSK13, LT11b, WX14,
AB11, AD14, BdF10, BY11, BL11, CCD11a, CYK⁺14, CS12b, CS13, CKR14,
CR14, Dri10, EGW11, EN14a, EN14b, FDHP11, FD11, GH14, GYL12, GG14,
GVH14, Gra10, GTSC14, GKS⁺11, HSN13, HNS12, He13, HLS14, HBZL14,
JNM12, JZ11, KGG10, KG13b, KSB12, KG13c, LR11, LBC14, LP12a, Le 14a,

LB12, LTSH10, LCP13, LZZS13, MA14, MRS14a, Mar10a, MKGV12, Mar13,
ML11b, MTZ14, MK11, MLBS14, MLM12, MHGM14, NHE14, NCV10,
Ost10, OS12, PGLT10, PGL11, PE10, PL12, QZM⁺12, SCH13b, TF10,
VHG13, VSK10, WA12, WWS⁺13a, XH14, YK12, YWL14, YXD⁺14, ZK14,
ZIOF10, ZD11b, ZW10b, vRLPK11, BMS12, MOSW12].
Spectral-Difference-Method [MOSW12]. **spectral-element**
[EN14a, EN14b, ML11b]. **spectral-Galerkin** [CS12b].
spectral-Lagrangian [MHGM14]. **spectral-like** [CR14, FDHP11, LZZS13].
spectral-particle [LBC14]. **spectral-tau** [LP12a]. **spectral/**
[CYK⁺14, VSK10]. **spectral/DG** [CKR14, YK12]. **Spectrally**
[HF10, Le 14b, LT10b, Boy11, RMMD14, GM11b]. **Spectrally-accurate**
[HF10, Boy11]. **spectrum** [BD14c]. **spectrum-including** [BD14c].
speculation [KH11]. **Speed** [BMD⁺13, CDT13, CJLC11, CDK12, KSU13,
ML14a, NHE14, SKU13, sLwG10]. **speeds** [LNS13]. **SPH**
[PR14a, AHA10a, AHA10b, ADB14, HF11, LVFK14, MCLG10, MCA⁺13,
PR14b, SSY13, VL14, ZMD14]. **sphere** [BNT14, DKA12, FCH13, FL10,
FLB⁺12, GM14a, GHJ14, HLM11, IAM⁺12, IDNG13, JNM12, LNU10,
LLJ10, LJ13a, NL10, NCV10, SP14a, TS12, UJvL10, WD11, YC11]. **spheres**
[RS13a, Wil13]. **spherical**
[Brü13, CCD11a, CLSX14, EN14a, EN14b, GNGAS10, GBNS14, GS11a,
GDGP11, JNW⁺14, LdWF12, Li12, MH10, Mel11, Mig14, MM11, MTS⁺11,
Ols12, PB13a, RARO13, RJG10, Sal14, SJ10, Tyg10]. **spherically** [Don11].
spheroidal [Men12, WZZ14]. **spiciness** [OMCO14]. **spin**
[BCZ13, BDTW10, CCW11, Gil13, Wan11b, Wan14, WC14a, Wei12]. **spin-1**
[BCZ13, CCW11, WC14a]. **spin-2** [Wan14]. **spin-up** [BDTW10]. **Spinodal**
[LDE⁺13]. **splashing** [Yok13]. **Spline**
[ZSW10, BSV14, DL13c, FKM11, FF12, LTC10, YZX14]. **splines** [EH13].
split [BB12b, FGLB14, FCN⁺13, HK14, Pir10, RT14]. **split-step** [FGLB14].
Splitting [KHZ10, BCL⁺11, Cha13, CGMQ14, FGN14, GLWW14, HLDP14,
HJK14, Kri14, LX14, LEHA10, Par13, PGA11, RXLS14, Sal14, VV13, Wal13,
WPP10, WYS12b, ZOL⁺11, Zha14]. **sponge** [Man12]. **Spray**
[MW12, JW12, KLMJ12]. **sprays** [VLM13]. **spring** [iIT14]. **Spurious**
[Le 12, TCL11, YKWS13a, YKWS13b, HP13, LKCY11, LY13a, Min13, SM11c].
SQP [BVM14]. **square** [BY11, CLAL14]. **square-to-disk** [BY11]. **Squares**
[CD13b, WHB14, ABL⁺11, CXLF14, Hel11a, HMM⁺10, HY09, HY11,
JMFO13, NOT14, OS12, PR11, ADB14]. **squares/finite** [HGW11]. **squircle**
[LB14]. **Stability** [DWL10, LJ13a, Alm14, BK11, BB12b, BRVE12,
CCKCG10, GLSC12, GV13, GVH14, HP13, KG11, KG13a, LXSR12, MS10a,
MA13, NDB12, VED13, WFK11, WL11, ZKV10]. **Stabilization**
[CST12, DL12, FL11b, TM10, Vre11, BC14, Gui12, HH12a, MKGV12, Ren11].
Stabilized
[AB13, ASS13, ASS17, HRK⁺10, Pir11, BCP13, CH11a, CdCD12, HY09, HY11,
MMV⁺13a, MMV⁺13b, MBA14, PBC11b, SPB⁺10, Sha13, WTSZ10, WGD12].
Stable [BN11, CVI⁺13, DV14, FN10, GL12b, GK14, LLP10, MTD14,

CVN13, CMS10a, CJNS12, Cha13, CFKL11, CXLF14, CLS10, CDK12, CH14,
CST12, DLZ$^+$11, DHH11, DAA11, EH13, FW12, FL11a, FMT11b, GLL14,
HL12a, HOK10, HHK13, HM10, HKL14, HF10, JM12, JK11, KST10, KR10,
KKP10, KF13a, KS11c, KG13c, KRT14, KL11b, LBCL13, LJX$^+$14, LXF10,
LL12a, LT10b, LLN$^+$10, MBS13, NPC11c, NOT14, NDBG14, NCKN10,
NEE12, OA10, OR10, OLC13, OS12, PBT14, PVLT10, PGL11, PNPF10,
PGA11, RP13, RHXQ14, RGMC13, RCvdV13, RPC14, SK12a, San13, SVK14,
SH14, SSHT14, SM13, Sen13, SSS10, Sha13, SLI10, SR11, SY11c, SGV13,
SW13, TWMM14, TY11a, TLO$^+$14, UN13, UGF14, VV13, VQRD11, VT13].
Stokes [Vre14, WW13, WK13a, WX14, Wil13, XFB$^+$14, XIIX14, XH13,
ZW10b, ZLH12]. **Stokeslets** [BM10b, BM11]. **stopping** [DFVY14]. **storage**
[Ket10, NDB12, WT12a]. **straight** [Gri13]. **Straightforward** [LFL11].
strand [KWS$^+$11]. **Strategies** [MM12, BP10, Har11, RBS12, SKN13b].
strategy [BRP14, CD13a, DHH11, DBM$^+$12, HL12b, Par12b, PVLT10,
PMF13, RE13, SPM$^+$13, ZMQ13]. **stratified**
[ABPSM11, DFNNRdlA14, FMM$^+$10, MMV$^+$13b, MTD14]. **Stratonovich**
[ZYLK13]. **Stratonovich-** [ZYLK13]. **stray** [EAB$^+$12]. **stream** [WZ11].
streamer [DBM$^+$12, KED$^+$12, LEH10, LEH12, LE12, VBGM13].
streamfunction [TY11a]. **streaming** [MZ14]. **streaming-collision** [MZ14].
Stress [ZM10, BDM13, GDY10, MY14, NGV14, SH14]. **Stress-mediated**
[ZM10]. **stressed** [JR14]. **stretch** [OLPM14]. **Stretched** [FvdB12, RVbZ10].
stretching [RG12]. **strictly** [BMR14]. **Strong**
[ACCM12, LJG14, NEE12, RM12, SSR14, TWMM14]. **strongly**
[AD14, CGJ11, KR10, KKvZB14, MDPTK13, MMP11, ZTL13].
strongly-coupled [KKvZB14]. **Structural**
[GCBH10, GCBH13, BHS14b, BGBR12, CLG13, DYYA14]. **structure**
[Atz11, BGGGS11, BK12a, Bal14, BHS12, BC10a, BG10, BW13, BBGP13,
BHK$^+$10, BGG12, BCG$^+$13, CBPS13, CW13, CW10, Deg11, DEKBF14,
EHA14, EC13, FL14, FP14, GCBH13, GCW14, GKF11, GZQ13, HHA14,
HNS12, Ian11, ITO$^+$10, JLY10, LS13a, LL14a, LJG14, MF14, MMH12,
NL12a, NPV14, OM12, PHSA14, Ric13, RMSF11, Son11, SIT$^+$11, TDL$^+$14,
VRB10, WKL$^+$14, WYC13, WC14b, YS12a, YBK13, ZF12, ZCD10].
structure-preserving [CW13, GCW14]. **structured**
[BMD$^+$13, Bal14, CG12, EZ10, GH12a, HB13, PJCS14, RTKS10, SSS10,
WYS12a, WQCS13, ZJW12, ZD11b]. **structures** [AMDR10, And13, BHL12a,
CKS14, DB12, GHL14, GKF11, GF13, HZS12, HW14c, KJC13, KL14b,
LRL10, LCNK10, LX13b, MB13b, MYM12, PS14b, SM12c, MVG$^+$12].
studies [BRS12, DMM$^+$13, EH14, EH15, SBC$^+$14, SY11b, VWP11, XS15].
Study [vTCL$^+$10, BK12a, BRSS11, BKW10, CSK13, CRS12, GKG$^+$13,
GMXG14, JR14, JHDC10, KGSS10, LKT$^+$12, LCE$^+$10, MDPTK13, SF11,
SMF$^+$13, SSC13, STC10b, TA12]. **studying**
[CSKP10, DYYA14, LW11, YL14b]. **Sturm** [HAMA14, JR12, ZK13]. **Sub**
[BK11, ABMT12, BHS14c, CTJT13, hGzS11, hGzSnZ12, hGzS13, MAD13,
RzSZ13, WV14, YZX14, nZzS11, ZzS11]. **sub-cell** [CTJT13]. **sub-diffusion**

test-ion [HH12b, HH13]. **test-particle** [Tau12]. **testing** [KJWR14]. **tests**
[WFK11]. **tetragonal** [ZCD10]. **tetrahedral**
[BD14b, FB11, IXX14, LXL$^+$12, LXS$^+$13, LZZR10, Sco12]. **textbook**
[ASB10]. **th** [HPS13]. **their**
[BCZ13, BP13a, CS12b, Gon12, KST13, KM14b, Ler14, SM12b, She13, SC10].
theorem [ZA14]. **Theoretical** [QS11b, RB10, Gra10, LB10]. **Theory**
[CSK14, FCN$^+$13, LG14, OBNN13, OBNN14, ZK13, Bre12a, BG13, CB11,
ITO$^+$10, JFC$^+$13, KS11a, KBRM12, KO14, LLYE12a, LLYE12b, LSE13,
MIKG12, MNL$^+$13, RG12, SL13a, SD14b, SBO11, SP14b, ZGSZ10, Fat10].
Thermal [WP14, Atz11, BB12a, Boo11, CLZ12, DSHP11, EMK11, EC13,
EMSH14, FAY$^+$13, GNGAS10, GBNS14, GMG12, HH12b, HH13, HW14a,
JYHT10, KMA13, LKM13, LMK13, LGP14, ML14a, OMA14, PHSA14,
PPWZ11, WL11, ZGSZ10]. **thermal-solute** [GMG12]. **thermalization**
[RRCD14]. **thermally** [BMP14, CH11a, CLAL14]. **thermo** [ML14a].
thermo-elastic [ML14a]. **thermoacoustic** [WIJ13]. **thermocapillary**
[LZV12, LVZK14, MB13a]. **thermochemistry** [CGC$^+$12]. **thermodynamic**
[GK14]. **thermodynamically** [FGN14, LGE$^+$13]. **thermomechanical**
[Han11, LG14]. **thermostat** [CWC11, LG14]. **thermostats** [Dav10, Dav15].
thick [RGK12]. **Thickness** [CY14]. **Thickness-based** [CY14]. **thin**
[ACB$^+$13, CY14, DLC11, FGE11, GF13, LT10a, LW11, LHM14, MB11,
Par12b, SP14a, WJCG13, YTYJ12]. **THINC** [IST$^+$12, IXX14, SX14, XIC11].
Third [VQRD11, DAEB13, DCL11, HAH14, Mat14, Nis14a, Nis14b, WYT14].
third-order [DCL11, Nis14a, WYT14]. **threads** [ACB$^+$13]. **Three**
[AH13a, CNR10, CGC$^+$12, DDF14, GCFJ13, HCS12, Kau10, dCRCS10,
SSY13, Ald10, AN14, ADMA13, ASK$^+$13, AKMD14, BK14a, BLM11, BR12a,
BBPC14, BL13, BLR14, CWS13, CTG12, CM14, CLSX14, CCY13, CCLV10,
CCG11, DB12, DKW10, FQV13, GH11a, GHS12, GG10, GMC13, GD13,
HWST12, HKL14, HCH$^+$10, IDNG13, JLZ13, JGZL14, JRTY11, KSU13,
KK10b, KG12a, KLPS14, LP12a, Le 14a, Le 14b, Lee13, LJX$^+$14, Li13,
LRK11, MMA13, MF13, OD14, RW13, SCIE14, SYJ11, SS14a, Tak14,
TDU14, TTD11, TP14, VRBZ11, WCM$^+$14, WZ11, WD13a, WD14, WLW14,
WC11, Wil13, WS10c, WC14b, XHF13, XJ14, ZFH14]. **Three-dimensional**
[AH13a, CNR10, CGC$^+$12, DDF14, GCFJ13, HCS12, Kau10, SSY13, Ald10,
ASK$^+$13, AKMD14, BLM11, BL13, BLR14, CM14, CCY13, CCLV10, DB12,
DKW10, FQV13, GG10, GMC13, HKL14, HCH$^+$10, IDNG13, JLZ13,
JGZL14, KSU13, KK10b, KG12a, KLPS14, LP12a, Le 14b, LJX$^+$14, LRK11,
OD14, RW13, SCIE14, SYJ11, SS14a, Tak14, TP14, WCM$^+$14, WZ11,
WD13a, WD14, WLW14, WC11, WS10c, WC14b, XHF13, XJ14, ZFH14].
Three-phase [dCRCS10, Li13, MF13]. **thresholding** [HW14c]. **throughout**
[BD14c]. **TianHe** [XDZ$^+$14]. **TianHe-1A** [XDZ$^+$14]. **Time**
[Ala14, BDA12, CL11a, CRK12, FWP13, GvdSVK10, GH12a, KA13, LFK11,
LX14, LS13d, LDDBR13, MK14a, MSTL13, MHHGN14, NZ14, RH13, SG10b,
SG10a, Soa13, ACG14, Abr10, AVKP11, AB11, AS14, AME14, AF11,
AWK$^+$11, BLM$^+$14, BCM12, BCB12, BN12, BDTW10, BLM11, BBAP14,

triangulation [Gen13]. **triangulations** [MOSW12]. **tricubic** [Mar10a]. **tridiagonal** [HPLS10]. **trigonometric** [Boy13, CJM13]. **triple** [Li13]. **troubled** [VR14]. **troubled-cell** [VR14]. **truncate** [ACG14]. **truncated** [DKC14]. **Truncation** [SS14a, FdVV12, FVR13, SEBG12]. **Trust** [WT13, MW14b]. **Trust-region** [WT13]. **tsunami** [BSCML13]. **Tube** [KYP⁺14, LM14b, RCQL11]. **tumor** [CCFCM11]. **tunneling** [CCMG⁺13, JCT11, MJK13]. **turbomachinery** [GBS⁺14, WDP⁺14]. **turbulence** [CP13a, CDB13, ECDB14, Ger12, GLB⁺11, GHM12, GLM14, GM14b, HHL11, JLB⁺10, KSP13, KGK13, MG14a, MS14b, OBT11, OTV13, dlLPC10, dlLPCP12, SNS10, SRL⁺11, TGT⁺10, Tau12, WWX⁺10, WMYYG10, YB14]. **Turbulent** [BPQO13, BHB11, BVM14, BH13a, BGGW13, BA10, BGM12, BM13b, BH13c, CFCA13a, CFCA13b, FL14, Fus13, GG10, GHM10a, GM11a, GW10, HHH13, JK10, KH13, KSL10, LBC14, LTC13, LDS11, LSBJ14, MJ13a, Nag14a, Nag14b, OAK11, PP14, RG13, RBNS⁺12, RBNS13, RS10b, SBB13, SFCF10, SRS14, TRL14, TAD14, Tyl14, VXB14, VWP11, YYB12, vDS12]. **Turing** [GMT10]. **Turkel** [AGBC14]. **TVD** [BR14, QL12]. **twist** [OLC13]. **Two** [BBG⁺11, DTG⁺14, Du11b, GK14, HY10, JGZL14, PZ10, RDHK12, WABI11, YT12, ZWL⁺12b, ABL⁺11, Ala14, AK12, ABMT12, ABMT14, Bal12b, BD14a, BG10, BW13, BILM14, BYCC14, BCM⁺11, BRS10, BHY14, BD14c, BTY14, CBKK12, CTG12, CRS14, CSW14, CS10, CS14b, CZ11b, CL11b, CTSM13, Cui12, DYYA14, DF14, DS12, Don14b, DGF14, ES10, FGR12, GMB10, GT12, GJLY13, GL12b, GHL14, GVV13, GWG14, GIQ11, HZ11a, HR10, HLLW11, IJZ13, JCC14, JZ11, KCG14, KS11a, KT14, KLP10, KK10c, KL11b, LP12a, LP13b, LBT11, Lee14a, Li10a, LX13a, LXL13, LW13a, LRN13, LW13b, LP11, LHPH11, MB13a, MF14, MB12, MAB⁺13, MFM12, MB11, MNF⁺10, Men12, MTZ14, MW14a, MY13, ML14b, MJM13, MMJ14, MGN10a, MGN11, MGN12a, NKF14, PB11, PZTW12, PE10, PBM11, PS14a, PS15, QB14, RBB12, RVB10, RE13]. **two** [RB13, RNT12, Sam14, SF11, SGS13, Sha13, ST13, SYJ11, SX14, SHA11, SHA12, SBvdV11, SKt10, SMS14, SS14c, TSLV11, Tok11a, TT10, TL13, UGkM13, VP10, VP14, VMA14, VBCM10, VSC⁺11, VW14b, Wan13a, WW11, WZ11, WSS12, WZSN12, WGX13, WQCS13, WC14a, WMYYG10, Wol12, WS14, WS11, WT14, XYL12, XR14, YS11b, YZX14, Yin14, ZHW10, nZzS11, ZYHW13, ZHY13, ZKZ10, ZHS10, ZWL10]. **two-** [SYJ11, WZ11]. **two-center** [LP12a, Men12]. **two-component** [MTZ14, ZKZ10]. **two-density** [ZWL10]. **Two-dimensional** [YT12, ZWL⁺12b, Bal12b, BD14a, BG10, BILM14, BYCC14, BCM⁺11, BRS10, BHY14, BD14c, BTY14, CBKK12, CRS14, CS10, CS14b, CTSM13, Cui12, Du11b, GMB10, GIQ11, KS11a, KLP10, KL11b, LX13a, LXL13, LW13a, LRN13, LW13b, LP11, MB12, MAB⁺13, MNF⁺10, MGN10a, MGN11, PB11, PE10, QB14, RVB10, VMA14, Wan13a, WW11, WZSN12, WS14, WS11, WT14, YZX14, Yin14, nZzS11]. **two-dimensions** [JZ11]. **two-equation** [WMYYG10]. **two-fluid**

[CZ11b, DF14, DGF14, GVV13, KK10c, NKF14, SBvdV11, SKt10, YS11b].
two-layer [LBT11]. **two-layered** [Li10a]. **Two-level**
[WABI11, HZ11a, JCC14, Sha13, SS14c]. **two-parameter** [ST13, WC14a].
Two-phase [GK14, PZ10, RDHK12, ABL$^+$11, Ala14, ABMT12, ABMT14,
BW13, CSW14, CL11b, DS12, Don14b, FGR12, GT12, GJLY13, HLLW11,
KCG14, KT14, LP13b, LHPH11, MB13a, MF14, MW14a, PZTW12, PBM11,
PS14a, PS15, RBB12, RB13, SF11, SGS13, SX14, SHA11, SHA12, TSLV11,
TT10, TL13, VP10, VP14, VBCM10, VSC$^+$11, WSS12, XYL12, XR14,
ZHW10, ZYHW13, ZHY13]. **two-point** [ML14b]. **two-scalar** [MB13a].
two-scale [RE13]. **two-sided** [MY13]. **two-stage** [IJZ13]. **Two-step**
[BBG$^+$11]. **two-steps** [Lee14a]. **Two-way** [DTG$^+$14, Sam14]. **type**
[AMDR10, AM11, CHHL11, Del10, EEK14, FY13, FP12, HLT10b, KDS14,
KO14, LT11a, LTCN13, LT14, LM13, LHV13, PGR10, PHRG13, RT14, SV13,
TT10, Tok11b, WLW13a, WW14, WI13a, ZzS11, ZQ11, ZZSQ13]. **type-II**
[SV13].

ultra [AK14, DL13a, DL13b, LHM14, SBS$^+$13]. **ultra-relativistic**
[AK14, SBS$^+$13]. **ultrarelativistic** [AC11]. **ultrascale** [GK10]. **unbounded**
[AJRT11, Boy11, BHY14, CK10, CGS13, DKC14, DRZ14, Era13, hGzSnZ12,
hGzS13, HLS14, HRCW13, JPC$^+$14, JKR14, SY11b, Zen11]. **uncertain**
[BND$^+$12, TLNE10]. **Uncertainty** [LTT10, SP13, WT12b, AC13, AA13,
BZ12, BZKL13, CPX13, CNST13, CZ13, EH14, EH15, ERS14, JEX10,
JNX13, KL14a, LBR14, MPPP12b, MPPP12a, PGLK14, WI13a, XS15].
unconditional [BRVE12]. **Unconditionally** [MY14, SHR13, BCP13, BL10,
DS10, GH11b, LGF11, LB10, MAD13, TD12a, ZFH14]. **undulatory**
[YS11a, YS11b]. **unequal** [Ge10]. **unidimensional** [OK12]. **Unification**
[Nis10]. **Unified** [LVFK14, LYXZ14, SMP$^+$13, BBGP13, CXLC12, GHS13,
Mie13, RTKS10, XH10]. **uniform**
[AM12, AW14, ABJ$^+$12, Boy11, CD12a, CES14, CLSX14, ES14, GGG$^+$13,
LH10a, LT11c, LFW11, MBLM10, MBGW13, SBS11, WLL13, nZzSlL14].
uniformly [Luo13]. **uniqueness** [SP11]. **unit** [Hel11a]. **Units**
[SSK$^+$12, GHH14, KHRD11, LSK11, LLL10, HJBB14]. **units-Radial**
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Unlike-particle [KWH10]. **unorganized** [DS11]. **unresolved** [GLM14].
unsplit [LP13a, Lee13, MT10, OJ11, OD14]. **unstable** [GCFJ13].
unstaggered [HRT11]. **unsteady**
[BDA12, BGHM13, BSCML13, DLZ$^+$11, EH13, GCL13, IH13, KKvZB14,
LDS11, LGC13, LLP10, LvZB10, MHHGN14, MGN11, MLGN12, MGN12b,
PC13, Sen13, STH11, SFWP10, SM10, XW14, YDN10, YP13].
Unstructured [CVC12, ALR11, ABD14, AIX10, AGSG11, BDA14, BNM14,
BYCC14, BV14, BD14b, BBD14, BC10b, CCKCG10, CZ11a, CRT10,
CBTR13, DCL11, DLM13c, EZ10, Era13, FB11, GMB10, GCA13, GBB$^+$13,
GP12a, HLT10b, IXX14, IKO$^+$14, JLZ13, KS11b, KDS14, KAFB11, KD10,
Lan14, LRLL11, LR12, LZ13, LSV10, LM14a, MF12, MB12, MAB$^+$13, MIJ10,

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variant [TAAY14]. **variants** [EMK11]. **variation**
[FN10, KHHK12, YL14b, YB14]. **Variational** [ES13b, GAvdVB14, LHK12,
MKGV12, ML14a, OBTC⁺13, ZOWZ10, ZOJR11, ZWL10, ABL⁺11,
ACCM12, BGGW13, BA10, BSS12, BSB14, GLS10, GCLS11, GH11b, GW10,
HLSO13, JZ10, Jin12, JK10, Kaz10, LHM14, MMV⁺13a, MMV⁺13b, NW10,
RG13, Sco12, XMDG13, XMDG14, YMS10, YMS12, ZHS10, ZWJW10].
variations [PBC⁺14]. **Various** [ZPF10, XL11, ZRM13]. **varying**
[CLS10, MPT13, RCCW10, SR13a, TGO13, YCH⁺13]. **vascular**
[GDY10, IWG13]. **Vector**
[CGM⁺12, Cha13, CG13a, KSK13, LLY11, NS11b, PB14a, PSDF13, ZS14].
vector-valued [PSDF13]. **vectorization** [DKH11]. **vectors**
[ELM14, NCV10, Ran11]. **vehicles** [CRS14]. **velocimetry** [HMM⁺10].
velocities [Min13, NCKN10]. **Velocity**
[OR10, AHA13, AJ14, BCHM14, BDMP13, BNM14, BD11b, BM14, CIJS14,
CWL10, CXLC12, DS10, FR13, GG14, HCS⁺10, JW12, LE13, Liu11b,
McD14b, MKB⁺12, MVG11, NS11a, SCIE14, SV10, VLM13].
velocity-correction [DS10]. **velocity-pressure** [CIJS14]. **velocity-space**
[LE13]. **Velocity-vorticity-helicity** [OR10]. **ventilation** [YCH⁺13].
ventricle [LS13a]. **ventricular** [MNKS13]. **Verification**
[SHM12, BHL12b, GM10a, IH13]. **versatile** [CTG12]. **version**
[ABK13, GLB⁺11, HLM11, KKS13]. **versions** [MGN12a]. **versus**
[CM10, GBNS14, MJ14]. **vertex** [AGBC14, CCKCG10]. **vertex-based**
[CCKCG10]. **Vertically** [WLW13b]. **very** [ALR11, SC12]. **vesicle**
[BLJ11, FBM14, GWG14, QB14, VRBZ11]. **vesicle-substrate** [GWG14].
vesicles [AELV14, HKL14, KL10a, RVB10, SM11a, STL⁺10]. **vessels**
[MPT13]. **VFRoe** [PBM11]. **via** [CT13, ECD14, FS10a, FLM12, GW13a,
GD13, HLDP14, JZ10, KL14a, LFL11, Lee14a, LX10, LCP13, LMZ14, LTT10,
MF12, Mar13, MTZ14, Min10b, MVG11, OK10, Ran12a, RSS10, RBNS13,
RSFS13, VS11, WdHX10, YR13, YWL14, YJK12]. **VIALS** [YL14b].
vicinity [CM13]. **violent** [BCD14, SM12c, ZMD14]. **virtual**
[AT13b, BvBZ⁺10, HWST12, SSHT14, SJ10, ZWH⁺12]. **visco** [AH13a].
visco-acoustic [AH13a]. **viscoelastic** [LP11, MMT14, ZYF⁺10].
viscoelasticity [DP12]. **viscoplastic** [FNGV14, Ion13]. **viscosities** [XH13].
viscosity
[BD10a, CD12a, CLG13, CSB14, Coo13, FMT11b, GW14, GPP11, KSB12,
KL12c, LRT13, LS10b, RSS13, SGS13, TGO13, VW14a, Wen10, dv23].
Viscous [CCLS10, AiINT14, AELV14, ACB⁺13, BJLR14, BDKV14, CP14,
CF11b, CB10, CC14, CGF⁺13, FSL10, IG14, LFL11, LTS⁺10, LKT⁺12,
LMZ14, LLP10, MCA⁺13, MESV10, Min10b, MN14, PRA13, PMSH10,
RHGT10, SGC13, SHCY13, SYL10, SZ10, SS10c, STL⁺10, SM10, SR13d,
TGO13, UWB12, WS11, XW14, YS11a, YS11b, YFL⁺13, YSW14, ZL10,
ZGSZ10, ZDSP11]. **viscous-plastic** [LTS⁺10, LKT⁺12]. **Vladimir** [vL11].
Vlasov

[DRW11]. **which** [ZA14]. **whistler** [GKS$^+$11, WS14]. **whistler-mode** [GKS$^+$11]. **White** [GDW11]. **widely** [RCCW10]. **Wigner** [JC10, JCT11, JLC14, RSK13, SD14a, SD14b]. **windkessel** [IWG13]. **windows** [LCNK10]. **wings** [NL12a]. **wireline** [PMM$^+$11]. **wise** [AOCR12, BLR13a, OAKR14, XLD$^+$11]. **within** [KH13, LB14, RSK13, RG13, SBC$^+$14, XHF13, Yok14]. **without** [AV13, AM10, Del14, HSWZ13, MW12, Min13, PM14]. **wood** [CTP13, BD14c]. **Woodbury** [CP14]. **work** [ZGSZ10]. **worldwide** [JWNL11]. **written** [VMA14].

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Z [CCD11b]. **Zadeh** [HSK$^+$15]. **Zakharov** [XXS10]. **Zernike** [BY11, LB14]. **zero** [BCG$^+$13]. **Zipper** [WQCS13]. **zone** [RG12].

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Anonymous:2010:ICCo

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Anonymous:2010:ICCw

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Anonymous:2010:OICq

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Anonymous:2010:OICv

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Anonymous:2011:CC

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Anonymous:2011:EBg

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Anonymous:2011:EBi

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Anonymous:2011:EBj

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Anonymous:2011:EBk

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Anonymous:2011:EBn

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Anonymous:2011:EBo

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Anonymous:2011:EBp

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Anonymous:2011:EBq

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Anonymous:2011:EBr

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Anonymous:2011:EBs

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Anonymous:2011:EBt

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Anonymous:2011:EBu

[Ano11w]   Anonymous. Editorial Board. *Journal of Computational Physics*, 230(21):??, September 1, 2011. CODEN JCT-PAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999111004657.

Anonymous:2011:EBv

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Anonymous:2011:EBw

[Ano11y]   Anonymous. Editorial Board. *Journal of Computational Physics*, 230(23):??, September 20, 2011. CODEN JCT-PAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199911100533X.

Anonymous:2011:EBx

[Ano11z]   Anonymous. Editorial Board. *Journal of Computational Physics*, 230(24):??, October 1, 2011. CODEN JCT-PAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999111005559.

Anonymous:2011:ICCa

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Anonymous:2011:ICCb

[Ano11-28]   Anonymous. IBC (contents continued). *Journal of Computational Physics*, 230(4):??, February 20, 2011. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999110006923.

Anonymous:2011:ICCc

[Ano11-29]   Anonymous. IBC (contents continued). *Journal of Computational Physics*, 230(5):??, March 1, 2011. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999111000192.

Anonymous:2011:ICCd

[Ano11-30]   Anonymous. IBC (contents continued). *Journal of Computational Physics*, 230(7):??, April 1, 2011. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999111000738.

Anonymous:2011:ICCe

[Ano11-31]   Anonymous. IBC (contents continued). *Journal of Computational Physics*, 230(8):??, April 20, 2011. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999111000994.

Anonymous:2011:ICCf

[Ano11-32]   Anonymous. IBC (contents continued). *Journal of Computational Physics*, 230(9):??, May 1, 2011. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999111001410.

Anonymous:2011:ICCg

[Ano11-33]   Anonymous. IBC (contents continued). *Journal of Computational Physics*, 230(10):??, May 10, 2011. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999111001732.

Anonymous:2011:ICCh

[Ano11-34]   Anonymous. IBC (contents continued). *Journal of Computational Physics*, 230(11):??, May 20, 2011. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999111001951.

Anonymous:2011:ICCi

[Ano11-35]   Anonymous. IBC (contents continued). *Journal of Computational Physics*, 230(12):??, June 1, 2011. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999111002427.

Anonymous:2011:ICCj

[Ano11-36]   Anonymous. IBC (contents continued). *Journal of Computational Physics*, 230(13):??, June 10, 2011. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199911100266X.

Anonymous:2011:ICCk

[Ano11-37]   Anonymous. IBC (contents continued). *Journal of Computational Physics*, 230(14):??, June 20, 2011. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999111002919.

Anonymous:2011:ICCl

[Ano11-38]   Anonymous. IBC (contents continued). *Journal of Computational Physics*, 230(15):??, July 1, 2011. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999111003081.

Anonymous:2011:ICCm

[Ano11-39]   Anonymous. IBC (contents continued). *Journal of Computational Physics*, 230(17):??, July 20, 2011. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999111003706.

Anonymous:2011:ICCn

[Ano11-40]   Anonymous. IBC (contents continued). *Journal of Computational Physics*, 230(19):??, August 10, 2011. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999111004268.

Anonymous:2011:ICCo

[Ano11-41]   Anonymous.   IBC (contents continued).   *Journal of Computational Physics*, 230(22):??, September 10, 2011.   CODEN JCTPAH.   ISSN 0021-9991 (print), 1090-2716 (electronic).   URL `http://www.sciencedirect.com/science/article/pii/S0021999111004979`.

Anonymous:2011:ICCp

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Anonymous:2012:ICCg

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Anonymous:2012:ICCi

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Anonymous:2012:ICCj

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Anonymous:2012:ICCk

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Anonymous:2012:ICCl

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Anonymous:2012:ICCm

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Anonymous:2012:ICCo

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Anonymous:2012:ICCp

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Anonymous:2012:IFA

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Anonymous:2012:IFL

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Anonymous:2012:IFSb

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Anonymous:2012:OICq

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Anonymous:2012:OICr

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Anonymous:2013:Ca

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Anonymous:2013:ICCh

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Anonymous:2013:ILa

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Anonymous:2013:OICr

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Anonymous:2014:Cc

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Anonymous:2014:Ce

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Anonymous:2014:Cl

[Ano14l] Anonymous. Contents. *Journal of Computational Physics*, 266(??):??, June 1, 2014. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999114001946.

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[Ano14n] Anonymous. Contents. *Journal of Computational Physics*, 268(??):??, July 1, 2014. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999114002691.

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[Ano14o] Anonymous. Contents. *Journal of Computational Physics*, 269(??):??, July 15, 2014. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999114003064.

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Anonymous:2014:Cr

[Ano14r] Anonymous. Contents. *Journal of Computational Physics*, 272(??):??, September 1, 2014. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199911400388X.

Anonymous:2014:Cs

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Anonymous:2014:Ct

[Ano14t] Anonymous. Contents. *Journal of Computational Physics*, 273(??):OBC, September 15, 2014. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999114004616.

Anonymous:2014:Cu

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Anonymous:2014:Cv

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Anonymous:2014:Cw

[Ano14w]   Anonymous. Contents. *Journal of Computational Physics*, 274(??):OBC, October 1, 2014. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999114005014`.

Anonymous:2014:Cx

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Anonymous:2014:Cy

[Ano14y]   Anonymous. Contents. *Journal of Computational Physics*, 275(??):OBC, October 15, 2014. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999114005683`.

Anonymous:2014:Cz

[Ano14z]   Anonymous. Contents. *Journal of Computational Physics*, 276(??):IBC, November 1, 2014. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002199911400597X`.

Anonymous:2014:Caa

[Ano14-27]   Anonymous. Contents. *Journal of Computational Physics*, 276(??):OBC, November 1, 2014. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999114005981`.

Anonymous:2014:Cab

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Anonymous:2014:Cac

[Ano14-29]   Anonymous. Contents. *Journal of Computational Physics*, 277(??):OBC, November 15, 2014. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0021999114006147`.

Anonymous:2014:Cad

[Ano14-30]   Anonymous. Contents. *Journal of Computational Physics*, 278(??):IBC, December 1, 2014. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199911400638X.

Anonymous:2014:Cae

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Anonymous:2014:Caf

[Ano14-32]   Anonymous. Contents. *Journal of Computational Physics*, 279(??):IBC, December 15, 2014. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0021999114006858.

Anonymous:2014:Cag

[Ano14-33]   Anonymous. Contents. *Journal of Computational Physics*, 279(??):OBC, December 15, 2014. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002199911400686X.

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